Commercial Ceilings & Walls Product Guide

2024 | 2026

HunterDouglas
Architectural

Designed to work for you

2024 | 2026

EN Commercial Ceilings & Walls Product Guide

FR Guide de produits plafonds et revêtements muraux

DE Decken- und Wandsysteme Produktkatalog

NL Plafond- en wandcollectie

ES Guía Comercial de Techos y Paredes

PL Sufity i okładziny ścienne Przewodnik po produktach

IT Guida ai controsoffitti e rivestimenti di parete

HunterDouglas Architectural

FRONT COVER
Project: De Stadswinkel, Tilburg, The Netherlands
Product: HeartFelt® Linear
Architect: Common Affairs

BACK COVER
Project: Headquarter SABIC, Jubail, Saudi Arabia
Product: Veneered Wood
Architect: Henning Larsen Architects

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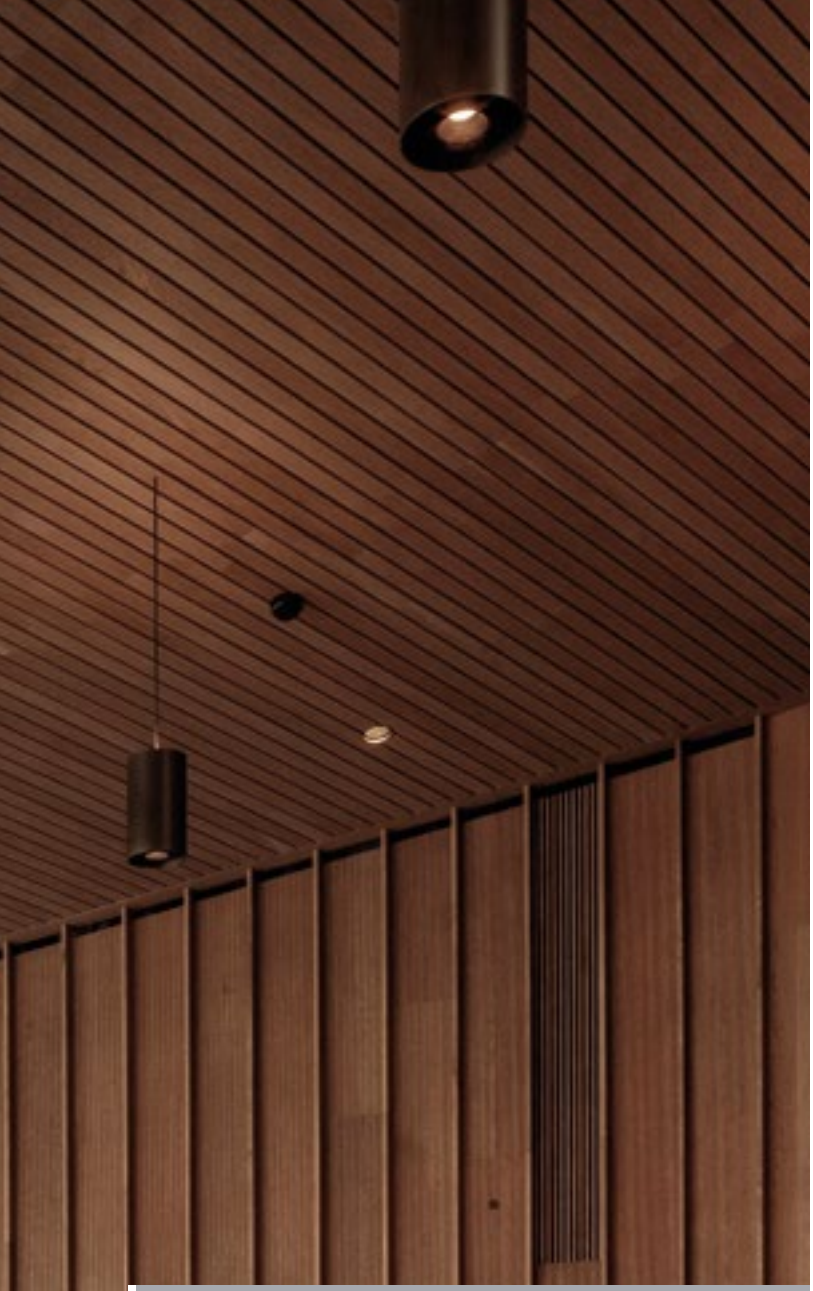
Project : Singer Laren Museum, Laren, The Netherlands
Product : Solid Wood Linear
Architect: Bedaux de Brouwer



DESIGNED TO WORK FOR YOU EN

Hunter Douglas is fluent in design. We translate aesthetic specifications into construction requirements, creating solutions that express the vision of each project. For over 60 years this collaborative approach has contributed to thousands of building projects around the world.

We define success by our ability to meet unique challenges, create new products and applications, and find ways to do more with less. From pre-engineered standards to innovative custom systems, the Hunter Douglas Architectural team helps you create versatile, sustainable and durable ceiling and wall solutions.

CONÇUS POUR VOUS FR

Hunter Douglas est un maître du design. En collaboration avec des architectes et des entrepreneurs, nous transformons les caractéristiques esthétiques en exigences de construction, en créant des solutions reflétant la vision de chaque projet. Pendant plus de 60 ans, cette approche collaborative a contribué à des milliers de bâtiments dans le monde entier.

Nous définissons la réussite comme notre capacité à relever des défis uniques, à définir de nouveaux produits et applications et à trouver de nouvelles manières d'en faire plus avec moins. Des systèmes standard préconçus aux systèmes personnalisés innovants, l'équipe de Hunter Douglas Architectural vous aide à créer des solutions de plafonds et de murs polyvalentes et durables.

ENTWORFEN, UM FÜR SIE ZU ARBEITEN DE

Hunter Douglas spricht die Sprache des Designs. Wir arbeiten eng mit Architekten und Dienstleistern zusammen, um ästhetische Vorgaben in bauliche Anforderungen umzusetzen und entwerfen so Lösungen, welche die Vision jedes Projekts ausdrücken. Seit mehr als 60 Jahren können wir diese kooperative Vorgehensweise auf Tausende von Gebäuden auf der Welt anwenden.

Wir definieren Erfolg anhand unserer Fähigkeit, einzigartige Herausforderungen zu meistern, neue Produkte und Anwendungen zu entwickeln und Wege zu finden, um mit weniger mehr zu erreichen. Von vorgefertigten Standards bis hin zu innovativen kundenspezifischen Systemen hilft Ihnen das Team von Hunter Douglas Architectural, vielseitige, nachhaltige und langlebige Decken- und Wandlösungen zu schaffen.

DESIGNED TO WORK FOR YOU NL

Hunter Douglas is een meester in vormgeving. In samenwerking met architecten en aannemers vertalen wij esthetische specificaties naar constructievereisten, waarmee we oplossingen creëren die de visie van de architect tot uitdrukking brengen. Deze op samenwerking gebaseerde aanpak heeft de afgelopen 60 jaar geleid tot de uitvoering van duizenden projecten in gebouwen over de hele wereld.

Succes betekent voor ons dat we in staat zijn unieke uitdagingen aan te gaan, nieuwe producten en toepassingen te ontwerpen en manieren te vinden om meer te doen met minder. Van voorontworpen standaardoplossingen tot innovatieve systemen op maat - het Hunter Douglas Architectural-team vindt voor elke opdrachtgever veelzijdige, esthetische en duurzame plafond- en wandoplossingen.

DISEÑADO PARA TRABAJAR PARA TI ES

Hunter Douglas tiene un diseño fluido. Trabajando con arquitectos y contratistas, traducimos las especificaciones estéticas en requisitos de construcción, creando soluciones que expresan la visión de cada proyecto. Durante más de 60 años, este enfoque de colaboración ha contribuido a miles de edificios en todo el mundo.

Definimos el éxito por nuestra capacidad para enfrentar desafíos únicos, definir nuevos productos y aplicaciones, y encontrar formas de hacer más con menos. Desde estándares prediseñados hasta sistemas personalizados innovadores, el equipo de arquitectura de Douglas Douglas lo ayuda a crear soluciones versátiles, sostenibles y duraderas para techos y paredes.

ZAPROJEKTOWANY DO PRACY DLA CIEBIE PL

Hunter Douglas jest firmą doświadczoną w projektowaniu. Przy współpracy z architektami i wykonawcami przekształcamy projekty architektoniczne w specyfikacje techniczne, tworząc rozwiązania, które realizują koncepcje estetyczne każdego projektu. Przez ponad 60 lat takie podejście przyczyniło się do powstania tysięcy budynków na całym świecie.

Sukces definiujemy poprzez naszą zdolność do stawiania czoła wyjątkowym wyzwaniom, kreowania nowych produktów i ich aplikacji oraz znajdowania sposobów na otrzymanie większego efektu mniejszym kosztem. Od standardowych produktów po innowacyjne systemy projektowane indywidualnie, zespół Hunter Douglas Architectural pomaga tworzyć uniwersalne, zrównoważone i trwałe rozwiązania sufitowe i ścienne.

DESIGNED TO WORK FOR YOU IT

Hunter Douglas conosce bene il mondo del design. Grazie alla preziosa collaborazione con architetti e imprese, traduciamo le specifiche estetiche in requisiti costruttivi, creando soluzioni che esprimono la visione di ogni progetto. Da oltre 60 anni, questo approccio collaborativo viene applicato in migliaia di edifici in tutto il mondo.

Definiamo il successo sulla base della nostra capacità di affrontare sfide uniche, creare nuovi prodotti e applicazioni e trovare modi per fare di più con meno. Dai sistemi standard, alle applicazioni innovative personalizzate, il team Hunter Douglas Architectural, vi aiuta a creare soluzioni di controsoffitti e rivestimenti versatili, sostenibili e durevoli.

A WORLD OF MATERIALS

LUXALON®

DERAKO®

HEARTFELT®

WORLD OF MATERIALS EN

Since 1963, we pioneered aluminum-based suspended ceilings with a core focus on recycled content under the Luxalon® brand. In 2003, we expanded our range of products with solid and veneered wood ceilings. Derako® is now known as the brand for all wood solutions following the recent acquisition of our partner and wood knowledge centre. Our innovation continued in 2017 with the introduction of felt as a base material, leading to creative designs and new products every year through the HeartFelt® product range.

UN MONDE DE MATÉRIAUX FR

Depuis 1963, nous sommes les pionniers en matière de plafonds suspendus à base d'aluminium, avec un accent particulier sur le contenu recyclé, sous la marque Luxalon®. En 2003, nous avons élargi notre gamme de produits avec des plafonds en bois massif et plaqué. Derako® est désormais reconnue comme étant la marque de toutes les solutions bois suite à la récente acquisition de notre partenaire et centre de connaissances sur le bois. Notre innovation s'est poursuivie en 2017 avec l'introduction du feutre comme matériau de base, ce qui a donné lieu à des designs créatifs et à de nouveaux produits chaque année grâce à la gamme de produits HeartFelt®.

DIE WELT DER WERKSTOFFE DE

Seit 1963 leisten wir mit unserer Marke Luxalon® Pionierarbeit bei abgehängten Decken auf Aluminiumbasis, wobei der Schwerpunkt auf recycelten Inhaltsstoffen liegt. Im Jahr 2003 haben wir unser Produktsortiment um Massiv- und Furnierholzdecken erweitert. Derako® ist nach der kürzlichen Übernahme unseres Partner- und Wissenszentrums für Holz nun als die Marke für alle Holzlösungen bekannt. Nachdem wir uns 2017 dazu entschlossen haben, auch Filz als Basismaterial zu nutzen, bereichern wir unsere innovative HeartFelt® Produktpalette jedes Jahr um neue Produkte mit kreativen Designs.

EEN WERELD AAN MATERIALEN NL

Sinds 1963 zijn we pioniers op het gebied van verlaagde plafonds op basis van aluminium, onder het merk Luxalon®. Hierbij is gerecycled materiaal een belangrijk focuspunt. In 2003 breidden we ons productassortiment uit met plafonds van massief en gefineerd hout. Derako® staat nu bekend als het merk voor alle houtoplossingen na de recente overname van onze partner en houtkenniscentrum. Onze innovatie ging in 2017 verder met de introductie van vilt als basismateriaal, wat elk jaar heeft geleid tot creatieve ontwerpen en nieuwe producten in het productassortiment HeartFelt®.

MUNDO DE MATERIALES ES

Desde 1963, somos pioneros en falsos techos de aluminio fabricados a partir de materiales reciclados bajo la marca Luxalon®. En 2003, ampliamos nuestra gama de productos con techos de madera maciza y chapada. Tras la reciente incorporación de nuestro socio y centro de conocimiento de la madera, Derako® se ha convertido en la marca de referencia para todas las soluciones relacionadas con la madera. En 2017, continuamos innovando con la introducción del fieltro como material de base, lo que nos ayudó a idear diseños creativos y productos nuevos cada año a través de la gama de productos HeartFelt®.

ŚWIAT MATERIAŁÓW PL

Od 1963 roku pod marką Luxalon® jesteśmy pionierami w dziedzinie sufitów podwieszanych na bazie aluminium, koncentrując się głównie na materiałach pochodzących z recyklingu. W 2003 roku rozszerzyliśmy naszą ofertę o sufity z litego drewna i forniru. Derako® jest teraz znaną marką wszystkich rozwiązań z drewna po niedawnym przejęciu naszego partnera i centrum wiedzy o drewnie. Nasze innowacje były kontynuowane w 2017 r. poprzez wprowadzenie filcu jako materiału bazowego, co pozwoliło w każdym roku uzyskać wiele kreatywnych projektów i nowych produktów w ofercie HeartFelt®.

IL MONDO DEI MATERIALI IT

Dal 1963, con il marchio Luxalon® siamo stati i pionieri dei soffitti e controsoffitti in alluminio con un'attenzione particolare ai materiali riciclati. Nel 2003 abbiamo ampliato la nostra gamma di prodotti con soffitti in legno massiccio e impiallacciato. Derako® è ora noto come il marchio per tutte le soluzioni in legno, specialmente dopo la recente acquisizione del nostro partner e del polo di ricerca sul legno. Le nostre soluzioni innovative sono proseguite nel 2017 con l'introduzione del feltro come materiale di base, che ha portato a design creativi e nuovi prodotti di anno in anno attraverso la gamma di prodotti HeartFelt®.

EN

SUSTAINABILITY AND CORPORATE SOCIAL RESPONSIBILITY

keen on green

SOUND MATERIALS

EN

We strive to develop products and systems that are sustainable by design. Environmentally friendly materials are the key to sustainable buildings. Our strategy is to choose materials that have good environmental properties to begin with. We have optimized our processes so that we use up to 90.5% recycled content in the aluminium alloy for our products. Our wood is FSC certified and we embrace the Cradle to Cradle principle in our product development.

CORPORATE SOCIAL RESPONSIBILITY

The goal of Hunter Douglas is to reduce our energy consumption, water usage and overall carbon-footprint. We embrace the ISO 14001 framework to actively manage our objectives. Hunter Douglas and its employees support the communities in which we live and work, as well as those on a more global scale. Business is people. We are proud of our global network of experienced, intelligent, passionate and creative people who have consciously chosen Hunter Douglas as an employer.

MATÉRIAUX SONORES

FR

Nous nous efforçons de développer des produits et des systèmes qui sont durables par conception. Les matériaux respectueux de l'environnement sont la clé des bâtiments durables. Notre stratégie consiste à commencer par choisir des matériaux présentant de bonnes propriétés environnementales. Nous avons optimisé nos processus afin d'utiliser jusqu'à 90,5 % de contenu recyclé dans l'alliage d'aluminium de nos produits. Notre bois est certifié FSC et nous adoptons le principe Cradle to Cradle dans le dévelop pement de nos produits.

RESPONSABILITÉ SOCIALE DE L'ENTREPRISE

L'objectif de Hunter Douglas est de réduire notre consommation d'énergie et d'eau ainsi que notre empreinte carbone globale. Nous adoptons le cadre ISO 14001 pour gérer activement nos objectifs. Hunter Douglas et ses employés soutiennent les communautés dans lesquelles nous vivons et travaillons, ainsi que celles à l'échelle mondiale. L'entreprise, nos collaborateurs. Nous sommes fiers de notre réseau mondial de personnes expérimentées, intelligentes, passionnées et créatives qui ont délibérément choisi Hunter Douglas comme employeur.

HOCHWERTIGE MATERIALIEN

DE

Sustainability by Design: Wir widmen uns der gezielten Entwicklung von inhärent nachhaltigen Produkten und Systemen. Umweltfreundliche Materialien sind der Schlüssel zu nachhaltigen Gebäuden. Unsere Strategie besteht darin, auf Materialien mit guten Umwelteigenschaften zu setzen. Durch eine Optimierung unserer Prozesse erreichen wir bis zu 90,5 % Recyclinganteil in der Aluminiumlegierung für unsere Produkte. Unser Holz ist FSC-zertifiziert, und bei der Produktentwicklung wird das Cradle-to-Cradle-Prinzip beachtet.

UNTERNEHMENS-GESELLSCHAFTLICHE VERANTWORTUNG

Bei Hunter Douglas verfolgen wir das erklärte Ziel, unseren Energie- und Wasserverbrauch sowie unseren gesamten CO_2-Fußabdruck zu reduzieren. Dieses Ziel erfolgen wir proaktiv durch Einhaltung der Norm ISO 14001. Als Unternehmen und Einzelpersonen unterstützen nicht nur unser direktes Lebens- und Arbeitsumfeld, sondern engagieren uns auch international – als Unternehmen von Menschen für Menschen. Wir sind stolz auf unser globales Netzwerk erfahrener, intelligenter, engagierter und kreativer Menschen, die sich bewusst für Hunter Douglas als Arbeitgeber entschieden haben.

DEUGDELIJKE MATERIALEN

NL

We streven ernaar om producten en systemen te ontwikkelen die qua ontwerp duurzaam zijn. Milieuvriendelijke materialen zijn de sleutel tot duurzame gebouwen. Onze strategie is om materialen te kiezen die allereerst goede milieu-eigenschappen hebben. We hebben onze processen geoptimaliseerd zodat we tot 90,5% gerecycled materiaal in de aluminiumlegering voor onze producten toepassen. Ons hout is FSC-gecertificeerd en we hanteren het Cradle to Cradle-principe in onze productontwikkeling.

MAATSCHAPPELIJK VERANTWOORD ONDERNEMEN

Het doel van Hunter Douglas is om ons energieverbruik, waterverbruik en onze totale CO_2-voetafdruk te verminderen. We omarmen het ISO 14001-kader om onze doelstellingen actief te beheren. Hunter Douglas en zijn medewerkers ondersteunen de gemeenschappen waarin we leven en werken, ook op een meer wereldwijde schaal. Mensen maken ons bedrijf. We zijn trots op ons wereldwijde netwerk van ervaren, intelligente, gepassioneerde en creatieve mensen die bewust voor Hunter Douglas als werkgever hebben gekozen.

MATERIALES PARA EL SONIDO

ES

Nos esforzamos por desarrollar productos y sistemas que sean sostenibles por diseño. Los materiales respetuosos con el medioambiente son la clave de los edificios sostenibles. Nuestra estrategia es elegir materiales que tengan buenas propiedades medioambientales para empezar. Hemos optimizado nuestros procesos para utilizar hasta un 90,5 % de contenido reciclado en la aleación de aluminio de nuestros productos. Nuestra madera cuenta con la certificación FSC y respetamos el principio Cradle to Cradle en el desarrollo de nuestros productos.

RESPONSABILIDAD SOCIAL CORPORATIVA

El objetivo de Hunter Douglas es reducir nuestro consumo de energía y de agua, así como nuestra huella de carbono general. Adoptamos el marco de la norma ISO 14001 para gestionar activamente nuestros objetivos. Hunter Douglas y sus empleados apoyan a las comunidades en las que vivimos y trabajamos, así como a las de todo el mundo. La empresa es la gente. Estamos orgullosos de nuestra red internacional de personas experimentadas, inteligentes, apasionadas y creativas que han elegido conscientemente trabajar en Hunter Douglas.

NAJLEPSZE MATERIAŁY PL

Dążymy do opracowywania produktów i systemów, które są zrównoważone pod względem konstrukcji. Podstawą zrównoważonych budynków są ekologiczne materiały. Naszą strategią jest wybór materiałów o dobrych właściwościach środowiskowych. Zoptymalizowaliśmy nasze procesy tak, aby stop aluminium zawarty w produktach pochodził z recyklingu nawet w 90,5%. Nasze drewno posiada certyfikat FSC, a w procesie opracowywania produktów stosujemy zasadę Cradle to Cradle.

SPOŁECZNA ODPOWIEDZIALNOŚĆ BIZNESU

Celem firmy Hunter Douglas jest ograniczenie zużycia energii, wody i ogólnie śladu węglowego. Wdrażamy system ISO 14001 w celu aktywnego zarządzania naszymi celami. Firma Hunter Douglas i jej pracownicy wspierają społeczności, w których żyjemy i pracujemy, a także wspólnoty o bardziej globalnym wymiarze. Biznes to ludzie. Jesteśmy dumni z naszej globalnej sieci doświadczonych, inteligentnych i kreatywnych ludzi z pasją, którzy świadomie wybrali Hunter Douglas jako swoje miejsce pracy.

MATERIALI SICURI E AFFIDABILI IT

Ci impegniamo a sviluppare prodotti e sistemi sostenibili fin dalla fase progettuale. I materiali ecocompatibili sono la chiave per edifici sostenibili. La nostra strategia è quella di iniziare scegliendo materiali che abbiano buone proprietà ambientali. Abbiamo ottimizzato i nostri processi in modo da utilizzare fino al 90,5% di contenuto riciclato nella lega di alluminio per i nostri prodotti. Il nostro legno è certificato FSC e adottiamo il principio Cradle to Cradle nello sviluppo dei nostri prodotti.

RESPONSABILITÀ SOCIALE D'IMPRESA

L'obiettivo di Hunter Douglas è ridurre il consumo di energia, l'utilizzo di acqua e l'impronta di carbonio complessiva. Adottiamo il quadro di riferimento ISO 14001 per gestire attivamente i nostri obiettivi. Hunter Douglas e i suoi dipendenti supportano le comunità in cui viviamo e lavoriamo, nonché quelle su scala più globale. Il business sono le persone. Siamo orgogliosi della nostra rete globale di persone esperte, intelligenti, appassionate e creative che hanno consapevolmente scelto Hunter Douglas come datore di lavoro.

Project : Vanderlande Office, Veghel, The Netherlands
Product : Solid Wood Grills
Architect : LA Architecten

CO_2 NEUTRAL AND BREEAM OUTSTANDING

Vanderlande is one of the world leaders in baggage handling systems for airports worldwide. Due to the company's expansive growth, they needed to build a new office: Building No. 60. The office building has 7 floors, more than 800 workstations, a company restaurant, a gym and an underground car park.

The aim was to create a building with the highest possible sustainability labels, CO_2 neutral and BREEAM outstanding. The solid timber systems play a major role in obtaining credits for BREEAM and fit perfectly within the sustainability objectives and appearance of Building No 60.

Hunter Douglas Architectural realised more than 4,170 m^2 of timber grid systems in FSC® certified solid timber, type African Ayous and Pine Wood. More than 3,500 m^2 were used for the ceilings and walls and 670 m^2 for the exterior ceilings. The five huge corten steel tree trunks support the outdoor ceiling and branch off beautifully into our grilling system.

Hunter Douglas Architectural is committed to sustainability and responsible development through its continuous efforts to improve production processes, eliminate waste and reduce maintenance.

EN

OUR FOUNDING

Hunter Douglas was built on recycled aluminium. In 1940, company founder Henry Sonnenberg moved to America from Holland and founded the Douglas Machinery Corporation. A few years later, he began a critical collaboration with inventor Joe Hunter, who had invented a casting machine that could convert scrap aluminium into ultra-hard alloys.

CEILING DEVELOPMENT

Based on this unique casting machine and developments of roll-forming and stamping equipment, Henry and Joe pioneered the development of the aluminium venetian blind, and jointly created Hunter Douglas as we know it today. In 1962, Hunter Douglas introduced linear metal ceilings, creating a standard system that today has evolved into a complete range of products for projects of all types.

WORLDWIDE PRESENCE

International architects and designers trust our unmatched product development, service and support. Through our global network of specialised manufacturing facilities we're creating a consistent range of solutions that architects can adapt to local design requirements. Our portfolio includes thousands of high-profile projects around the world.

SUSTAINABILITY

At Hunter Douglas, we contribute to sustainable buildings through aesthetic solutions that enhance comfort and save energy. Now, more than ever, the ability to innovate defines success in architecture and design by doing more with less and meeting and exceeding higher standards in sustainable architecture. Hunter Douglas Architectural products are helping with innovative and sustainable solutions.

TAIM

As member of TAIM we are obliged to audit our production to the requirements of the TAIM certification scheme. Proof of a positive conclusion is the annually issued TAIM Certificate.

OEKOTEX

Products with this icon are tested on harmful substances and safe skin contact.

CERTIFIED CRADLE TO CRADLE

The Cradle to Cradle Certified™ Product Standard guides designers and manufacturers through a continuous improvement process that looks at a product through five quality categories - material health, material reutilization, renewable energy and carbon management, water stewardship, and social fairness.

ISO 9001

Our production plant is ISO 9001 certified to ensure that products and services consistently meet customer's requirements, and that quality is consistently improved.

FORMALDEHYDE (E1)

Formaldehyde emission level (E1 = lowest test result possible).

VOC

The VOC emission performance in accordance with the French labelling requirements.

RECYCLED CONTENT

The recycled content of the product based on average market data.

EPD

For metal ceiling products with this icon an EPD (Environmental Product Declaration) based on EN 15804 is available.

EPD

For HeartFelt® products with this icon an EPD (Environmental Product Declaration) based on EN 15804 is available.

ISO 14001

Our production plant is ISO 14001 certified providing assurance to company management and employees as well as external stakeholders that environmental impact is consistently being measured and improved.

EXPLANATION TECHNICAL PERFORMANCE ICONS

REACTION TO FIRE
Reaction to fire classification in accordance with EN 13501-1 expressed as Euroclass (A1 - F).

FIRE STABILITY
Fire stable ceilings available.
(Belgium only)

PERFORATIONS / PATTERNS
Custom perforations/patterns available.

SOUND ABSORPTION
A single-number rating for random incidence sound absorption coefficients as calculated by reference to EN ISO 11654 (α_W) or, as calculated by reference to ASTM C423 (SAA).

SOUND ABSORPTION CLASS
A classification for sound absorption (A - E) based upon the sound absorption α_W value.

ACOUSTIC INFILLS
Custom acoustic infills available.

DIMENSIONS
Custom sizes available.

SHAPES
Custom shapes available.

WEIGHT
Weight per unit area of the product (kg/m²).

COLOURS
Custom colours available.

LIGHT REFLECTANCE
Light reflection is the proportion of incident light that is reflected back off the product, when tested in accordance with EN 410.

SCRATCH RESISTANCE
Superior level of surface scratch resistance.

VENEERS
Additional custom wood veneer effects possible.

IMPACT SOLUTIONS
Impact resistant ceiling available.

SERVICE INTEGRATION
Custom factory cut-outs for service integration available.

SWING-DOWN FUNCTION
Swing-down functionality available.

EXTERIOR SOLUTIONS
Exterior ceiling available.

HUMIDITY RESISTANCE
Maximum relative humidity conditions for installation and lifetime of ceiling.

TEMPERATURE/RH
Exposure class according to EN 13964 in which the ceiling can be used.

CEILING APPLICATION
A ceiling application is available.

WALL APPLICATION
A wall application is available.

CLEANING AND DISINFECTION
The frequency and cleaning method of a ceiling varies from one application to another. All products can at least be cleaned with a dry cloth or vacuum cleaner.

Wipeable with a dry cloth / soft brush.

Wipeable with a moist cloth.

HunterDouglas Architectural

NOTRE FONDATEUR

Hunter Douglas s'est bâtie sur l'aluminium recyclé. En 1940, le fondateur de l'entreprise, Henry Sonnenberg, a quitté les Pays-Bas pour l'Amérique et a fondé la Douglas Machinery Corporation. Quelques années plus tard, il a démarré une collaboration essentielle avec l'inventeur Joe Hunter, qui avait imaginé une machine de coulée en continu qui transformait les débris d'aluminium en alliages extrêmement résistants.

DÉVELOPPEMENT DE PLAFONDS

Grâce à cette machine de coulée en continu unique et au développement d'équipements de profilage et de poinçonnage, Henry et Joe ont été les premiers à concevoir le store vénitien en aluminium et, conjointement, ils ont créé la société Hunter Douglas telle que nous la connaissons aujourd'hui. En 1962, Hunter Douglas a introduit les plafonds linéaires en métal, créant ainsi un système standard ayant aujourd'hui évolué vers une gamme complète de produits pour des projets de tous types.

PRÉSENCE MONDIALE

Les architectes et designers internationaux font confiance à notre développement de produits, à notre service et à notre assistance inégalés. Grâce à notre réseau mondial de sites de fabrication spécialisés, nous créons une gamme cohérente de solutions que les architectes peuvent adapter aux exigences de conception locales. Notre portefeuille comprend des milliers de projets de grande envergure dans le monde entier.

DURABILITÉ

Chez Hunter Douglas, nous contribuons à créer des bâtiments durables grâce à des solutions esthétiques qui améliorent le confort et permettent d'économiser l'énergie. Aujourd'hui, plus que jamais, la capacité à innover définit le succès dans l'architecture et le design en faisant plus avec moins et en respectant et en dépassant les normes les plus strictes en matière d'architecture durable. Les produits architecturaux Hunter Douglas apportent des solutions innovantes et durables.

TAIM

En tant que membre de TAIM, nous devons auditer notre de production conformément aux exigences du système de certification TAIM. Le certificat TAIM délivré annuellement est la preuve que la conclusion est positive.

OEKOTEX

Les produits portant cette icône sont testés sur des substances nocives et une possible irritation de la peau.

CRADLE TO CRADLE

La norme de produit Cradle to Cradle Certified™ guide les concepteurs et les fabricants tout au long d'un processus d'amélioration continue qui consiste à analyser un produit en cinq catégories de qualité: santé des matériaux, réutilisation des matériaux, énergie renouvelable et gestion du carbone, gestion de l'eau et équité sociale.

ISO 9001

Notre usine de production est certifiée ISO 9001 afin de garantir que les produits et services répondent systématiquement aux exigences du client et que la qualité soit constamment améliorée.

FORMALDÉHYDE (E1)

Niveau d'émission de formaldéhyde (E1 = résultat de test le plus bas possible).

COV

La performance en émission de COV conforme aux exigences de l'étiquetage français.

CONTENU RECYCLÉ

Le contenu recyclé du produit tel que vérifié basé sur les données du marché moyen.

EPD

Pour les produits portant cette icône, une déclaration environnementale de produit (EPD) basée sur la norme EN 15804 est disponible.

EPD

Pour les produits HeartFelt® dotés de cette icône, une EPD (Environmental Product Declaration) basée sur la norme EN 15804 est disponible.

ISO 14001

Notre usine de production est certifiée ISO 14001, fournissant aux responsables de la société et aux collaborateurs externes ainsi qu'aux parties prenantes externes l'assurance que l'impact sur l'environnement est régulièrement mesuré et amélioré.

ICÔNES DE PERFORMANCE TECHNIQUE D'EXPLICATION

RÉACTION AU FEU
Réaction au feu conformément à la norme EN 13501-1, Euroclasses (A1 -F).

STABILITÉ AU FEU
Plafonds stables au feu.
(Belgique uniquement)

PERFORATIONS / MOTIFS
Perforations sur mesure / Motifs disponibles.

ABSORPTION PHONIQUE
Une évaluation chiffrée en un seul nombre pour les coefficients d'absorption sonores aléatoires d'incidence tels que calculés par référence à EN ISO 11654 ou calculés par référence ATSM.

CLASSE ABSORPTION PHONIQUE
Classification absorption phonique (A-E) basé sur l'absorption phonique α_W.

GARNISSAGE ACOUSTIQUE
Garnissage acoustique disponible.

DIMENSIONS
Dimension personnalisées possible.

FORMES
Formes sur mesure disponible.

POIDS
Poids par unité de produit (kg/m²).

COLORIS
Choix de la couleur possible.

REFLECTANCE DE LA LUMIERE
Le reflet de la lumière correspond à la proportion de lumière qui est renvoyée par le produit lorsque celui ci est testé selon la norme EN 410.

RÉSISTANCE AUX RAYURES
Surface haute résistance aux rayures.

EFFETS BOIS
Autres effets bois disponibles.

SOLUTION CONTRE LES IMPACTS
Plafond résistant aux impacts disponible.

SERVICE INTEGRATION
Découpes d'usine personnalisées pour l'intégration d'appareils et luminaires.

FONCTION BASCULANTE
Fonction basculante possible.

SOLUTIONS EXTERIEURES
Plafonds extérieurs possible.

RÉSISTANCE A L'HUMIDITÉ
Conditions d'humidité relative maximales pour l'installation et la durée de vie du plafond.

TEMPERATURE / RH
Classe d'exposition selon EN 13964 dans laquelle le plafond peut être utilisé.

UTILISATION EN PLAFOND
Utilisation en plafond possible.

UTILISATION EN MURAL
Utilisation en mural possible.

NETTOYAGE ET DÉSINFECTION
La fréquence et la méthode de nettoyage d'un plafond varient d'une application à l'autre. Tous les produits peuvent au moins être nettoyés avec un chiffon sec ou un aspirateur.

Essuyage avec un chiffon sec / brosse douce.

Essuyage avec un chiffon humide.

HunterDouglas Architectural

DE

FIRMENGRÜNDUNG

Die Unternehmensgeschichte von Hunter Douglas begann mit recyceltem Aluminum. 1940 zog der Unternehmensgründer Henry Sonnenberg von Holland nach Amerika und gründete die Douglas Machinery Corporation. Ein paar Jahre später ging er eine entscheidende Zusammenarbeit ein mit dem Erfinder Joe Hunter, der eine Gießmaschine erfunden hatte, die Aluminiumabfälle in ultraharte Legierungen umwandeln konnte.

DECKENENTWICKLUNG

Auf Grundlage dieser einzigartigen Gießmaschine und der Entwicklung von Stanz- und Profilieranlagen wurden Henry und Joe zu Vorreitern in der Entwicklung von Aluminium-Jalousien und gründeten gemeinsam das Unternehmen Hunter Douglas, wie wir es heute kennen. 1962 führte Hunter Douglas lineare Metalldecken ein und schuf ein Standardsystem, das bis heute zu einem kompletten Produktsortiment für Projekte aller Art ausgebaut wurde.

WELTWEIT PRÄSENT

Internationale Architekten und Designer vertrauen auf unsere unübertroffene Produktentwicklung, unseren Service sowie unseren Support. Mit unserem globalen Netzwerk spezialisierter Fertigungsfachbetriebe können wir eine stimmige Lösungspalette anbieten, die sich an lokale Designanforderungen anpassen lässt. Unser Portfolio umfasst Tausende hochkarätiger Projekte auf der ganzen Welt.

NACHHALTIGKEIT

Mit unseren ästhetischen Lösungen tragen wir nicht nur zu verbessertem Komfort bei, sondern sorgen auch für Energieeinsparungen und nachhaltige Gebäude. Mehr denn je definiert sich Erfolg in der Architektur und im Design über Innovationsfähigkeit – indem man mit weniger mehr erreicht und die gestiegenen Anforderungen an nachhaltige Architektur erfüllt und übertrifft. Die Produkte von Hunter Douglas Architectural bieten dabei eine innovative und nachhaltige Lösung.

TAIM

Als Mitglied von TAIM sind wir verpflichtet, unser Produktion gemäß den Anforderungen des TAIM-Zertifizierungsschemas zu auditieren. Ein positiver Abschluss ist das jährlich ausgestellte TAIM-Zertifikat.

OEKOTEX

Produkte mit diesem Symbol werden auf Schadstoffe und mögliche Hautreizungen geprüft.

CERTIFIED CRADLE TO CRADLE

Der Cradle to Cradle Certified™- Produktstandard führt Designer und Hersteller durch einen kontinuierlichen Verbesserungsprozess, bei dem ein Produkt anhand von fünf Qualitätskategorien untersucht wird: Materialgesundheit, Materialverwendung, Management erneuerbarer Energien und Kohlenstoff, Wasserverantwortung und soziale Fairness.

ISO 9001

Unsere Produktionsstätte ist nach ISO 9001 zertifiziert, um sicherzustellen, dass Produkte und Dienstleistungen den Kundenanforderungen beständig entsprechen und die Qualität stetig verbessert wird.

FORMALDEHYDE (E1)

Formaldehyd-Emissionsniveau (E1 = niedrigstes mögliches Testergebnis).

VOC

Die VOC-Emissionsleistung entspricht den französischen Kennzeichnungsvorschriften.

RECYCELTER INHALT

Der recycelte Inhalt des Produkts, auf durchschnittlichen Marktdaten basiert.

EPD

Für Produkte mit diesem Symbol ist eine auf EN 15804 basierende EPD (Environmental Product Declaration) erhältlich.

EPD

Für HeartFelt®-Produkte mit diesem Symbol ist eine EPD (Environmental Product Declaration) basierend auf EN 15804 verfügbar.

ISO 14001

Unsere Produktionsstätte ist nach ISO 14001 zertifiziert und bietet der Unternehmensleitung und den Mitarbeitern sowie externen Interessengruppen die Sicherheit, dass die Umweltauswirkungen kontinuierlich gemessen und verbessert werden.

ERLÄUTERUNG TECHNISCHE LEISTUNGSIKONEN

BRANDSCHUTZKLASSIFIZIERUNG
Brandklasse in Übereinstimmung mit EN 13501 1 analog zu Euroclass (A1 - F).

FEUERRESISTENZ
Feuerresistente Paneelen erhältlich.
(Nur Belgien)

PERFORATIONEN / MUSTER
Kundenwunsch Perforationen / Muster auf Anfrage möglich.

SCHALLABSORPTION
Es wurden Werte für generelle Schallabsorptionen in Relation nach EN ISO 11654 (α_W) berechnet oder unter Bezugnahme auf ASTM C423 (SAA).

SCHALLABSORPTIONSGRAD/ SCHALLABSORPTIONSKLASSE
Schallabsorptionsklasse (A - E) basierend auf dem Wert von (α_W).

AKUSTIK-EINLAGEN
Kundenspezifische Akustikeinlagen erhältlich.

ABMESSUNGEN/DIMENSIONEN
Kundenspezifische Masse möglich.

FORMEN
Kundenspezifische Formen möglich.

GEWICHT
Produktgewicht (kg/m²).

FARBEN
Kundenspezifische Farben möglich.

LICHTREFLEXION
Lichtreflexion ist der Anteil des einfallenden Lichts, welches vom Produkt reflektiert wird (geprüft nach EN 410).

KRATZFESTIGKEIT
Oberfläche höchst kratzresistent.

FURNIERE
Zusätzliche Furniere auf spezifischen Kundenwunsch verfügbar.

STOSS-/SCHLAGFESTIGKEIT
Stoss-/schlagfeste Decken erhältlich.

WARTUNGSZUGANG
Kundenspezifische Lösungen/Cut-outs für Wartungszugang möglich.

SWING-DOWN
Abklapp-Version erhältlich.

AUSSENANWENDUNG
Für Anwendung im Aussenbereich geeignet.

FEUCHTIGKEITSKLASSE
Maximale relative (Luft-)Feuchtigkeit für die Installation und Lebensdauer der Paneelen.

TEMPERATUR/RF
Die Verwendung der Decke unterliegt der Expositionsklasse gemäß EN 13964.

DECKENINSTALLATION
Für Deckeninstallation geeignet.

WANDINSTALLATION
Für Wandinstallation geeignet.

REINIGUNG/PFLEGE/DESINFEKTION
Die Notwendigkeit und die Art der Reinigung differenziert von einem System zum anderen. Alle Produkte können zumindest mit trockenen Tüchern und Staubsauger gereinigt werden.

Reinigung mit trockenem Tuch oder weicher Bürste.

Reinigung mit feuchtem Tuch.

HunterDouglas Architectural

NL

ONZE ONTSTAANSGESCHIEDENIS

Hunter Douglas is ontstaan uit de verwerking van gerycled aluminium. In 1940 emigreerde de oprichter Henry Sonnenberg van Nederland naar Amerika, waar hij de Douglas Machinery Corporation oprichtte. Enkele jaren later begon hij een cruciale samenwerking met de uitvinder Joe Hunter die een gietmachine had uitgevonden die van aluminiumschroot zeer harde legeringen kon maken.

ONTWIKKELING VAN PLAFONDS

Op basis van deze unieke gietmachine en ontwikkelingen van rolvorming- en stansgereedschappen ontpopten Henry en Joe zich tot voorlopers in de ontwikkeling van aluminium jaloezieën. Uit hun samenwerking ontstond Hunter Douglas zoals we dat vandaag kennen. In 1962 introduceerde Hunter Douglas lineaire metalen plafonds, met een standaardsysteem dat zich in de loop der jaren heeft ontwikkeld tot een uitgebreide reeks van producten voor alle soorten projecten.

WERELDWIJD VERTEGENWOORDIGD

Internationale architecten en ontwerpers vertrouwen op onze ongeëvenaarde productontwikkeling, service en ondersteuning. Via ons wereldwijde netwerk van gespecialiseerde productiefaciliteiten creëren we een consistent scala aan oplossingen die architecten kunnen aanpassen aan lokale ontwerpvereisten. Onze portefeuille omvat duizenden bekende projecten over de hele wereld.

DUURZAAMHEID

Bij Hunter Douglas dragen we bij aan duurzame gebouwen door middel van esthetische oplossingen die het comfort verbeteren en energie besparen. Succes in architectuur en design wordt nu meer dan ooit bepaald door het vermogen om te innoveren, door meer te doen met minder en te voldoen aan hogere normen in duurzame architectuur en deze normen te overtreffen. De producten van Hunter Douglas Architectural dragen bij door middel van innovatieve en duurzame oplossingen.

TAIM

Als lid van TAIM zijn wij verplicht om onze productie te auditen volgens de vereisten van het TAIM-certificatieschema. Het bewijs van een positieve conclusie is het jaarlijks afgegeven TAIM-certificaat.

OEKOTEX

Producten met dit pictogram zijn getest op schadelijke stoffen en mogelijke huidirritatie.

GECERTIFICEERDE CRADLE TOT CRADLE

De Cradle to Cradle Certified™ productstandaard begeleidt ontwerpers en fabrikanten door een continu verbeterings-proces waarbij een product door vijf kwaliteitscategorieën wordt bekeken - materiaalgezondheid, materiaalhergebruik, hernieuwbare energie en koolstofbeheer, waterbeheer en sociale rechtvaardigheid.

ISO 9001

Onze productie-installatie is ISO 9001-gecertificeerd om ervoor te zorgen dat producten en diensten consistent voldoen aan de eisen van de klant en dat de kwaliteit constant wordt verbeterd.

FORMALDEHYDE (E1)

Formaldehyde-emissieniveau (E1 = laagste testresultaat mogelijk).

VOC

De VOC-emissieprestaties in overeenstemming met de Franse etiketteringsvoorschriften.

RECYCLED CONTENT

De gerecycleerde inhoud van het product gebaseerd op gemiddelde marktgegevens.

EPD

Voor producten met dit pictogram is een EPD (Environmental Product Declaration) gebaseerd op EN 15804 beschikbaar.

EPD

Voor HeartFelt®-producten met dit pictogram is een EPD (Environmental Product Declaration) gebaseerd op EN 15804 beschikbaar.

ISO 14001

Onze productie-installatie is ISO 14001-gecertificeerd en biedt bedrijfsmanagement en werknemers en externe belanghebbenden zekerheid dat de impact op het milieu consequent wordt gemeten en verbeterd.

TOELICHTING TECHNISCHE PRESTATIEPICTOGRAMMEN

REACTIE OP BRAND
Classificatie bij brand volgens EN 13501-1 uitgedrukt als Euroklasse (A1 - F).

BRANDSTABILITEIT
Vuurvaste plafonds beschikbaar.
(Alleen België)

PERFORATIES / PATRONEN
Aangepaste perforaties/patronen beschikbaar.

GELUID ABSORPTIE
Een cijfer met één nummer voor geluidsabsorptiecoëfficiënten voor willekeurige incidentie zoals berekend aan de hand van EN ISO 11654 (α_W) of, zoals berekend aan de hand van ASTM C423 (SAA).

GELUIDSABSORPTIEKLASSE
Een classificatie voor geluidsabsorptie (A - E) op basis van de waarde voor geluidsabsorptie (α_W).

AKOESTISCHE VULLINGEN
Aangepaste akoestische infills beschikbaar.

AFMETINGEN
Aangepaste formaten beschikbaar.

VORMEN
Aangepaste vormen beschikbaar.

GEWICHT
Gewicht per oppervlakte-eenheid van het product (kg/m²).

KLEUREN
Aangepaste kleuren beschikbaar.

LICHTREFLECTIE
Lichtreflectie is de hoeveelheid invallend licht die wordt teruggekaatst door het product, wanneer het wordt getest volgens EN 410.

KRASBESTENDIGHEID
Superieur niveau van krasbestendigheid.

VENEERS
Extra aangepaste houtfineereffecten mogelijk.

IMPACTOPLOSSINGEN
Slagvast plafond beschikbaar.

SERVICE-INTEGRATIE
Aangepaste fabrieksuitsparingen voor service-integratie beschikbaar.

SWING-DOWN FUNCTIE
Swing-down functionaliteit beschikbaar.

BUITENOPLOSSINGEN
Buitenplafond beschikbaar.

VOCHTIGBESTENDIGHEID
Maximale relatieve luchtvochtigheid voor installatie en levensduur van plafond

TEMPERATUUR/RV
Blootstellingsklasse volgens EN 13964 waarin het plafond kan worden gebruikt.

PLAFONDTOEPASSING
Plafondtoepassing beschikbaar.

WANDTOEPASSING
Muurtoepassing is beschikbaar.

REINIGING EN DESINFECTIE
De frequentie en reinigingsmethode van een plafond varieert van toepassing tot toepassing. Alle producten kunnen minimaal worden gereinigd met een droge doek of stofzuiger.

Afneembaar met een droge doek / zachte borstel.

Afneembaar met een vochtige doek.

HunterDouglas Architectural

NUESTRO FUNDADOR

Hunter Douglas fué fundado en base al aluminio reciclado. En 1940, el fundador de la compañía, Henry Sonnenberg, se mudó a Estados Unidos desde Holanda y fundó Douglas Machinery Corporation. Unos años más tarde, comenzó una colaboración crítica con el inventor Joe Hunter, quien había inventado una máquina de fundición que podía convertir chatarra de aluminio en aleaciones ultraduras.

DESARROLLO DE TECHO

Basado en esta máquina de fundición única y en los desarrollos de equipos de estampado y laminado, Henry y Joe fueron pioneros en el desarrollo de la persiana veneciana de aluminio y crearon conjuntamente Hunter Douglas tal como lo conocemos hoy. En 1962, Hunter Douglas introdujo techos metálicos lineales, creando un sistema estándar que hoy se ha convertido en una gama completa de productos para proyectos de todo tipo.

PRESENCIA EN TODO EL MUNDO

Arquitectos y diseñadores internacionales confían en nuestro desarrollo de productos, nuestros servicios y nuestra asistencia inigualables. A través de nuestra red global de plantas de fabricación especializadas, creamos una variedad constante de soluciones que los arquitectos pueden adaptar a los requisitos de diseño locales. Nuestra cartera incluye miles de proyectos de alto perfil en todo el mundo.

SOSTENIBILIDAD

En Hunter Douglas, contribuimos a construir edificios sostenibles con soluciones estéticas que mejoran el confort y permiten ahorrar energía. Ahora más que nunca, la capacidad de innovar define el éxito en la arquitectura y el diseño, haciendo más con menos y cumpliendo y superando los estándares más altos en arquitectura sostenible. Los productos arquitectónicos de Hunter Douglas ayudan con soluciones innovadoras y sostenibles.

TAIM

Como miembro de TAIM, estamos obligados a auditar nuestra de producción según los requisitos del esquema de certificación TAIM. Prueba de una conclusión positiva es el Certificado TAIM emitido anualmente.

OEKOTEX

Los productos con este icono se prueban en sustancias nocivas y posibles irritaciones de la piel.

CUNA A CUNA CERTIFICADA

El estándar de producto Cradle to Cradle Certified™ guía a los diseñadores y fabricantes a través de un proceso de mejora continua que analiza un producto a través de cinco categorías de calidad: salud del material, reutilización del material, gestión de energías renovables y carbono, administración del agua y equidad social.

ISO 9001

Nuestra planta de producción cuenta con la certificación ISO 9001 para garantizar que los productos y servicios cumplan constantemente con los requisitos del cliente, y que la calidad se mejore constantemente.

FORMALDEHÍDO (E1)

Nivel de emisión de formaldehído (E1 = resultado de prueba más bajo posible).

VOC

El rendimiento de emisión de VOC de acuerdo con los requisitos de etiquetado francés.

CONTENIDO RECICLADO

El contenido reciclado del producto basado en datos promedio del mercado.

EPD

Para productos con este icono, una EPD. (Declaración ambiental del producto) basada en EN 15804 está disponible.

EPD

Para los productos HeartFelt® con este icono, se encuentra disponible una EPD (Declaración Ambiental de Producto) basada en EN 15804.

ISO 14001

Nuestra planta de producción cuenta con la certificación ISO 14001, lo que garantiza a la gerencia de la empresa y a los empleados, así como a las partes interesadas externas, que el impacto ambiental se mide y mejora constantemente.

EXPLICACIÓN ICONOS DE DESEMPEÑO TÉCNICO

REACCIÓN AL FUEGO
Clasificación de reacción al fuego según EN 13501-1 expresada como Euroclase (A1 - F).

ESTABILIDAD AL FUEGO
Techos estables al fuego disponibles.
(Solo Bélgica)

PERFORACIONES / PATRONES
Perforaciones / patrones personalizados disponibles.

ABSORCIÓN DE SONIDO
Una clasificación de un solo número para los coeficientes de absorción acústica de incidencia aleatoria calculada con referencia a EN ISO 11654 (α_W) o, calculada con referencia a ASTM C423 (SAA).

CLASE DE ABSORCIÓN DE SONIDO
Una clasificación para la absorción acústica (A - E) basada en el valor α_W de absorción acústica.

RELLENOS ACÚSTICOS
Rellenos acústicos personalizados disponibles.

DIMENSIONES
Tamaños personalizados disponibles.

FORMAS
Formas personalizadas disponibles.

PESO
Peso por unidad de área del producto (kg/m²).

COLORES
Colores personalizados disponibles.

REFLEXIÓN DE LUZ
La reflexión de la luz es la proporción de luz incidente que se refleja en el producto, cuando se prueba de acuerdo con la norma EN 410.

RESISTENCIA AL RAYADO
Nivel superior de resistencia al rayado de la superficie.

CHAPAS DE MADERA
Efectos adicionales de chapa de madera personalizados posibles.

SOLUCIONES DE IMPACTO
Techo resistente a impactos disponible.

INTEGRACION DE SERVICIO
Recortes de fábrica personalizados para la integración de servicios disponibles.

FUNCIÓN ABATIBLE
Funcionalidad de giro hacia abajo disponible.

SOLUCIONES EXTERIORES
Techo exterior disponible.

RESISTENCIA A LA HUMEDAD
Condiciones máximas de humedad relativa para la instalación y la vida útil del techo.

TEMPERATURA/RH
Clase de exposición conforme a la norma EN 13964 en la que se puede utilizar el techo.

APLICACIÓN DE TECHO
Una aplicación de techo está disponible.

APLICACIÓN DE PARED
Una aplicación de pared está disponible.

LIMPIEZA Y DESINFECCION
La frecuencia y el método de limpieza de un techo varía de una aplicación a otra. Todos los productos se pueden limpiar al menos con un paño seco o una aspiradora.

Se puede limpiar con un paño seco / cepillo suave.

Se puede limpiar con un paño húmedo.

HunterDouglas Architectural

PL

NASZE KORZENIE

Hunter Douglas został zbudowany na aluminium z recyklingu. W 1940 roku założyciel firmy Henry Sonnenberg przeniósł się do Ameryki z Holandii i założył Douglas Machinery Corporation. Kilka lat później rozpoczął przełomową współpracę z wynalazcą Joe Hunterem, który stworzył maszynę odlewniczą mogącą przetwarzać złom aluminiowy w ultra twarde stopy.

ROZWÓJ PRODUKCJI SUFITÓW

Opierając się na tej wyjątkowej maszynie odlewniczej i udoskonalając urządzenia do formowania i tłoczenia, Henry i Joe jako pionierzy opracowali aluminiową żaluzję okienną i wspólnie stworzyli Hunter Douglas, jaki znamy dzisiaj. W 1962 roku Hunter Douglas wprowadził liniowe sufity metalowe, tworząc standardowy system, który dziś przekształcił się w pełną gamę produktów do wszelkiego typu projektów.

GLOBALNA OBECNOŚĆ

Międzynarodowi architekci i projektanci ufają naszym niezrównanym procesom w zakresie rozwoju produktów, obsługi i wsparcia. Dzięki globalnej sieci wyspecjalizowanych zakładów produkcyjnych tworzymy spójną gamę rozwiązań, które architekci mogą dostosować do lokalnych wymagań projektowych. Nasze portfolio obejmuje tysiące znanych projektów na całym świecie.

ZRÓWNOWAŻONY ROZWÓJ

W Hunter Douglas przyczyniamy się do tworzenia zrównoważonych budynków poprzez estetyczne rozwiązania, które zwiększają komfort i oszczędzają energię. Teraz, bardziej niż dotychczas, sukces w architekturze i projektowaniu zależy od innowacji umożliwiających wzrost wydajności przy mniejszych nakładach oraz spełnianie i przekraczanie wyższych standardów zrównoważonej architektury. Produkty Hunter Douglas Architectural pomagają w tworzeniu innowacyjnych i zrównoważonych rozwiązań.

TAIM

Jako członek TAIM jesteśmy zobowiązani do audytu naszej produkcji zgodnie z wymogami programu certyfikacji TAIM. Dowodem pozytywnego wniosku jest corocznie wydawany certyfikat TAIM.

OEKOTEX

Produkty oznaczone tą ikoną są wolne od substancji szkodliwych w stężeniach mających negatywny wpływ na stan zdrowia człowieka oraz negatywny wpływ na środowisko.

CERTYFIKAT CRADLE TO CRADLE

Zasada “od kołyski do kołyski” prowadzi projektantów i producentów zgodnie ze standardowymi wytycznymi Cradle to Cradle Certified™ w ciągłym procesie ulepszania produktów w ramach wytycznych opierających się na pięciu kryteriach: materiały bezpieczne dla zdrowia, ponowne wykorzystanie surowców, korzystanie ze źródeł energii odnawialnej, emisja dwutlenku węgla, zarządzanie zasobami wodnymi i odpowiedzialność społeczna.

ISO 9001

Nasz zakład produkcyjny posiada certyfikat ISO 9001, który gwarantuje, że produkty i usługi permanentnie spełniają wymagania klientów, a jakość jest konsekwentnie poprawiana.

FORMALDEHYD (E1)

Poziom emisji formaldehydu (E1 = najniższy możliwy wynik testu).

LZO

Poziom emisji LZO - lotnych związków organicznych - zgodnie z francuskimi wymogami dotyczącymi etykietowania.

ZAWARTOŚĆ Z RECYKLINGU

Zawartość w produkcie z materiałów pochodzących z recyklingu na podstawie średnich danych rynkowych.

EPD

Dla sufitów metalowych oznaczonych tą ikoną dostępna jest EPD - Środowiskowa Deklaracja.Produktu - oparta na EN 15804.

EPD

Dla produktów HeartFelt® z oznaczonych tą ikoną dostępna jest EPD - Środowiskowa Deklaracja Produktu - oparta na EN 15804.

ISO 14001

Nasz zakład produkcyjny posiada certyfikat ISO 14001, co zapewnia zarządowi firmy i pracownikom, a także zewnętrznym interesariuszom, że wpływ na środowisko jest stale mierzony i poprawiany.

LEGENDA DLA SYMBOLI OPISUJĄCYCH WŁAŚCIWOŚCI TECHNICZNE

REAKCJA NA OGIEŃ
Klasyfikacja reakcji na ogień zgodnie z EN 13501-1 wyrażona w Euroklasie wyrobu (A1 - F).

STABILNOŚĆ OGNIOWA
Możliwe sufity o określonej stabilności ogniowej. (Tylko Belgia)

PERFORACJE/WZORY
Możliwe wykonanie niestandardowych perforacji/wzorów.

POCHŁANIANIE DŹWIĘKU
Współczynniki pochłaniania dźwięków o wybranych częstotliwościach wyznaczone zgodnie z EN ISO 11654 (α_W) lub to ASTM C423 (SAA).

KLASA POCHŁANIANIA DŹWIĘKU
Klasyfikacja pochłaniania dźwięku - klasa A-E, oparta na współczynniku α_W.

WKŁADY AKUSTYCZNE
Możliwe zastosowanie niesystemowych, dodatkowych wypełnień akustycznych.

WYMIARY
Możliwe niestandardowe wymiary produktu.

KSZTAŁTY
Możliwe niestandardowe kształty produktu.

MASA
Masa jednostkowa produktu (kg/m²).

KOLORY
Możliwe kolory niestandardowe.

ODBICIE ŚWIATŁA
Odbicie światła to procent światła odbitego od powierzchni produktu określony zgodnie z EN 410.

ODPORNOŚĆ NA ZARYSOWANIE
Najwyższy poziom odporności na zarysowania powierzchni.

FORNIRY
Możliwe dodatkowe niestandardowe efekty dla forniru.

ODPORNOŚĆ NA UDERZENIA
Dostępny sufit odporny na uderzenia.

INTEGRACJA Z INSTALACJAMI
Możliwe niestandardowe fabryczne wycięcia do montażu instalacji.

FUNCJA SWING-DOWN
Dostępna funkcja otwierania (opuszczania) sufitu.

ZASTOSOWANIE ZEWNĘTRZNE
Możliwe zastosowanie zewnętrzne produktu.

ODPORNOŚĆ NA WILGOĆ
Warunki maksymalnej wilgotności względnej dla montażu i użytkowania sufitu.

TEMPERATURA/RH
Klasa narażenia zgodna z normą EN 13964, w której można stosować sufit.

ZASTOSOWANIE NA SUFICIE
Możliwe zastosowanie na suficie.

ZASTOSOWANIE NA ŚCIANIE
Możliwe zastosowanie jako zabudowy ściennej.

CZYSZCZENIE I DEZYNFEKCJA
Częstotliwość i sposób czyszczenia różnią się w zależności od zastosowanego produktu. Wszystkie produkty można czyścić suchą ściereczka lub odkurzaczem.

Można czyścić suchą szmatką / miękką szczotką.

Można czyścić wilgotną szmatką.

HunterDouglas Architectural

LE NOSTRE ORIGINI

Hunter Douglas nasce come azienda per la lavorazione dell'alluminio riciclato. Nel 1940, il fondatore Henry Sonnenberg si trasferisce in America dall'Olanda e fonda la Douglas Machinery Corporation. Alcuni anni dopo, avvia una collaborazione che si rivelerà decisiva con Joe Hunter, inventore di una macchina di pressofusione in grado di convertire i rottami di alluminio in leghe ultra-dure.

SVILUPPO DEI CONTROSOFFITTI

A partire da questa esclusiva invenzione e con lo studio e l'utilizzo di apparecchiature per la profilatura e lo stampaggio, Henry e Joe, furono pionieri nello sviluppo delle tende veneziane in alluminio, e insieme diedero vita a Hunter Douglas, così come la conosciamo oggi. Nel 1962, Hunter Douglas ha introdotto nel mercato i controsoffitti a doghe lineari, creando un sistema standard, che oggi si è evoluto in una gamma completa di prodotti per progetti di ogni tipo.

PRESENZA INTERNAZIONALE

Architetti e designer internazionali si affidano al nostro impareggiabile sviluppo di prodotti, assistenza e supporto. Attraverso la nostra rete globale di stabilimenti di produzione specializzati stiamo creando una gamma coerente di soluzioni che gli architetti possono adattare ai requisiti di progettazione locali. Il nostro portafoglio comprende migliaia di progetti di alto profilo in tutto il mondo.

SOSTENIBILITÀ

Noi di Hunter Douglas contribuiamo alla realizzazione di edifici sostenibili attraverso soluzioni estetiche che migliorano il comfort e fanno risparmiare energia. Ora più che mai, la capacità di innovare definisce il successo nell'architettura e nel design, facendo di più con meno e soddisfacendo e superando standard più elevati nell'architettura sostenibile. I prodotti Hunter Douglas Architectural offrono il loro contributo con soluzioni innovative e sostenibili.

TAIM

Come membro di TAIM, siamo tenuti a controllare la nostra produzione secondo i requisiti dello schema di certificazione TAIM. Prova di una conclusione positiva è il certificato TAIM rilasciato annualmente.

OEKOTEX

Oeko-Tex è una certificazione che attesta l'atossicità e salubrità dei tessuti

CRANDLE TO CRANDLE

La filosofia del prodotto Crandle to Crandle, guida progettisti e produttori verso un processo di miglioramento continuo, analizzando il prodotto in cinque punti: materiali sicuri per l'uomo e l'ambiente, materiali riciclabili, energie rinnovabili e gestione delle emissioni di CO_2, gestione delle risorse idriche ed impegno sul fronte della giustizia sociale ed ambientale.

ISO 9001

Il nostro impianto di produzione è certificato ISO 9001 per garantire che prodotti e servizi soddisfino costantemente i requisiti del cliente e che la qualità sia costantemente migliorata.

FORMALDEIDE (E1)

Livello di emissione di formaldeide
E1 = (certifica il miglior risultato possibile).

VOC

Certifica le emissioni di COV (Composti Organici Volatili) secondo i requisiti francesi.

CONTENUTO RICICLATO

Il contenuto riciclato del prodotto, basato su dati di mercato medi.

EPD

Attesta la disponibilità della DAP (Dichiarazione Ambientale di Prodotto) secondo la EN 15804.

EPD

Attesta la disponibilità della DAP (Dichiarazione Ambientale di Prodotto) secondo la EN 15804, per il sistema HeartFelt®.

ISO 14001

Il nostro impianto di produzione è certificato ISO 14001 e garantisce alla direzione aziendale, ai dipendenti e ai soggetti esterni che l'impatto ambientale viene costantemente misurato e migliorato.

LEGENDA SIMBOLI

REAZIONE AL FUOCO
Certificazione di reazione al fuoco, Euroclasse (A1 - F), in conformità alla normativa EN 13501-1.

STABILITÀ AL FUOCO
Soffitti stabili disponibili.
(Solo Belgio)

TIPI DI FORATURA
Forature speciali a richiesta

ASSORBIMENTO ACUSTICO
Un singolo valore per l'incidenza random dei coefficienti di assorbimento acustico calcolati secondo la normativa EN ISO 11654 (α_W) o ASTM C423 (SAA).

CLASSIFICAZIONE ASSORBIMENTO ACUSTICO
Classe di assorbimento acustico (A - E) secondo i coefficienti di assorbimento (α_W).

RIEMPIMENTO ACUSTICO
Riempimento acustico disponibile a richiesta.

DIMENSIONI
Misure speciali disponibili a richiesta.

FORME
Forme speciali disponibili a richiesta.

PESO
Peso stimato (kg/mq).

COLORE
Colori speciali disponibili a richiesta.

RIFLESSIONE LUMINOSA
La riflessione luminosa, testata secondo la normativa EN 410, rappresenta la percentuale di luce che viene riflessa dal prodotto.

RESISTENZA AI GRAFFI
Elevata resistenza ai graffi.

IMPIALLACCIATI
Impiallacciati speciali a richiesta.

SOLUZIONI PER IMPIANTI SPORTIVI
Disponibile per installazione in impianti sportivi.

INTEGRAZIONE APPARECCHI
A richiesta il sistema può essere fornito già predisposto per l'integrazione di apparecchi.

VERSIONE SWING-DOWN
Versione swing-down disponibile.

SOLUZIONI PER ESTERNI
Disponibile anche nella versione per installazione in esterni.

RESISTENZA ALL'UMIDITA'
Condizioni di umidità relativa massima per l'installazione e la durata del controsoffitto.

TEMPERATURA/RH
Classe di esposizione secondo EN 13964 in cui può essere utilizzato il controsoffitto.

INSTALLAZIONE A SOFFITTO
Adatto per installazione a soffitto.

INSTALLAZIONE A PARETE
Adatto per installazione a parete.

PULIZIA
La frequenza ed il metodo di pulizia varia in funzione delle caratteristiche del controsoffitto. In generale, tutti i sistemi, possono essere puliti utilizzando un panno asciutto o un aspirapolvere.

Utilizzare un panno asciutto o una spazzola morbida.

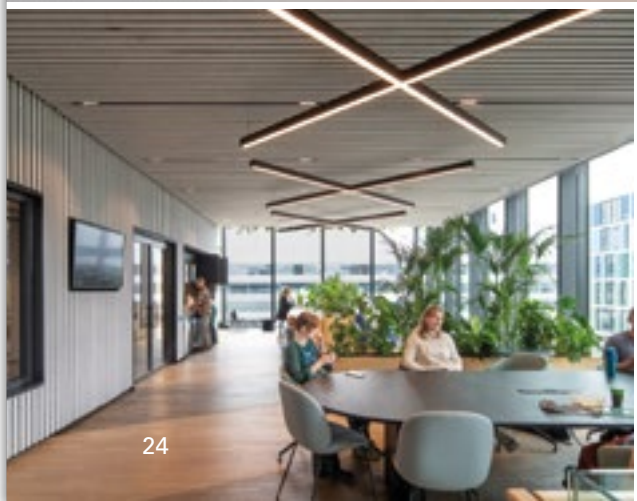
Utilizzare un panno umido.

HunterDouglas Architectural

Project : ESNE, Madrid, Spain
Product : HeartFelt® Linear
Architect: HENDEL+TORRES

FELT CEILINGS

Based on our deep knowledge of ceilings and their applications, combined with expertise in textiles and production techniques, we have further developed new design possibilities with HeartFelt®, our modular felt ceiling system. This ceiling material provides outstanding acoustic performance and an aesthetic appearance which results in a warm ambiance rarely experienced before.



Project : Innovation Center Matrix ONE, Amsterdam, The Netherlands
Product : HeartFelt® Linear Ceiling and Wall system
Architect: MVRDV

"A NEW ERA OF SUSTAINABLE ARCHITECTURE AND COLLABORATION"

The new Matrix ONE Innovation Center, situated in Amsterdam's Science Park, has set itself up as a state-of-the-art, highly sustainable innovation building designed for meetings and interaction. Matrix ONE was constructed entirely out of reusable materials and has received the prestigious BREEAM Excellent certificate, underlining its commitment to sustainability and care for the environment.

Hunter Douglas Architectural played a crucial role in the implementation of a HeartFelt® felt ceiling and wall system with veneer gridwork. This system not only contributes to the building's aesthetics, but also enhances its sustainability and acoustics, ensuring an ideal environment for the companies and researchers that work here.

Matrix ONE is a breeding ground for innovation, with modern offices and laboratories, an open area for socialising and the presence of the University of Amsterdam's SustainaLab, where researchers, business and government collaborate on the restoration of natural cycles and the future of our planet.

Project: City Hall, Hengelo, The Netherlands
Product: HeartFelt® Linear
Architect: EGM architecten

Project: Creche Fbg St Antoine, Paris, France
Product: HeartFelt® Linear
Architect: RMDM

FELT CEILINGS

HEARTFELT® LINEAR 28
HEARTFELT® MULTIPANEL 30
HEARTFELT® GROOVE 32
HEARTFELT® ISLANDS 34
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HEARTFELT® BAFFLES 40
HEARTFELT® ORIGAMI PYRAMID & CURVE 42
HEARTFELT® ORIGAMI WEAVE 44
COMBILINE 48
PROJECT SOLUTIONS 52

Project: College Caroline Aigle, Cergy, France - Product: HeartFelt® Linear - Architect: Gaëtan le Penhuel architectes & associés

KEY FEATURES

- Modular ceiling system with felt panels
- Panel dimensions
  Boxshaped : 40 x 55 mm
  40 x 80 mm
  40 x 105 mm
  Rounded : 40 x 64 mm
- Panel length: 1000 to 6000 mm
  Panel length: (40 x 105 mm) max. 4000 mm
- Sixteen standard carrier modules to vary reveal (M50-M200) for acoustics and aesthetics
- Easy plenum access
- Interior applications
- Also available as wall solution
- Compatible with industry standard lighting, HVAC, speaker, fire safety, and security services

OEKO TEX® STANDARD 100 1702004 Centexbel www.oeko-tex.com

EPD EN 15804 VERIFIED

cradle to cradle CERTIFIED BRONZE

ISO 14001 SGS ISO 9001 SGS

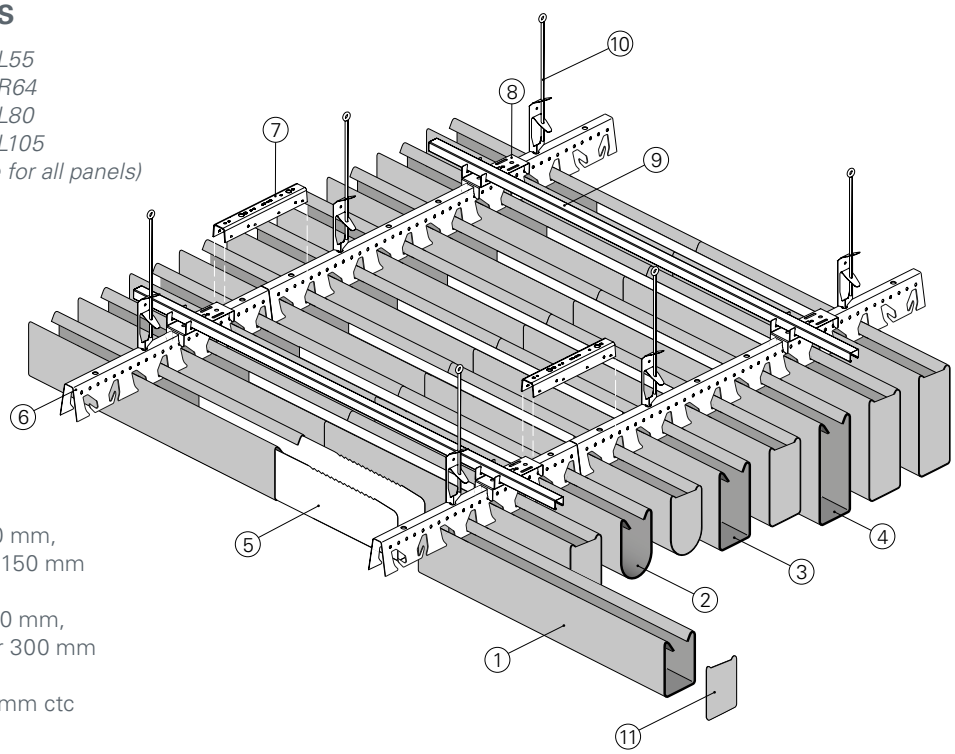
Production by Hunter Douglas Ceiling Center

EN 13964 E1

A+ A B C A+

TYPICAL ISOMETRICS

1 = HeartFelt® panel 40HL55
2 = HeartFelt® panel 40HR64
3 = HeartFelt® panel 40HL80
4 = HeartFelt® panel 40HL105
5 = Panel splice (available for all panels)
6 = Carrier
7 = Carrier splice
8 = Stabilisation bracket
9 = Stabilisation profile
10 = Suspension
11 = End caps

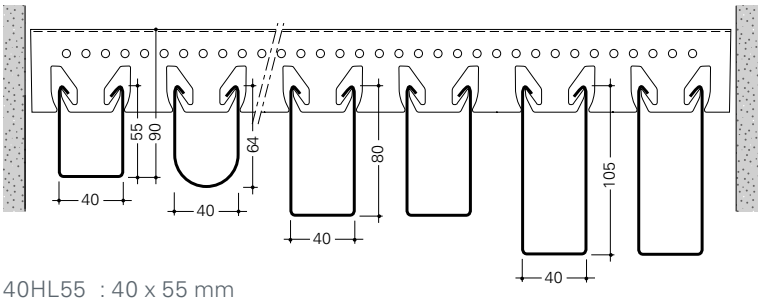


Maximum panel span 1200 mm,
maximum panel cantilever 150 mm

maximum carrier span 1500 mm,
maximum carrier cantilever 300 mm

Stabilisation profiles 3000 mm ctc

TYPICAL SECTIONS



40HL55 : 40 x 55 mm
40HR64 : 40 x 64 mm
40HL80 : 40 x 80 mm
40HL105 : 40 x 105 mm

ACOUSTICS

See page 348 for acoustic performance information

PHYSICAL DATA

B-s1,d0

Varies with colour

Class

40HL55 M50:
α_W = 0.70 (H)
40HL105 M200:
α_W = 0.40 (H)

Kg

40HL55 M50:
2.9 kg/m²
40HL105 M200:
1.3 kg/m²

A B C D

Class B

OPTIONAL

Colours:
See page 38

Wall apllication
see page 288

Sports apllication
see page 320

Project: Anthura offices, Bleiswijk, The Netherlands - Product: HeartFelt® MultiPanel - Architect: Atelier Pro

KEY FEATURES

- Modular ceiling system with felt panels
- Panel dimensions
  Boxshaped : 30 x 60 mm
  80 x 35 mm
  130 x 35 mm
  180 x 35 mm
- Panel length 30HL60 : 1000 - 6000 mm
  Panel length 80HL35 : 1000 - 4000 mm
  Panel length 130HL35 : 1000 - 4000 mm
  Panel length 180HL35 : 1000 - 4000 mm
- One standard carrier for all panels
- Available modules: 50, 100, 150 or 200 mm depending on the size of the panel
- Easy plenum access
- Interior applications
- Compatible with industry standard lighting, HVAC, speaker, fire safety, and security services

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EPD EN 15804 VERIFIED

cradle to cradle CERTIFIED BRONZE

ISO 14001 SGS ISO 9001 SGS

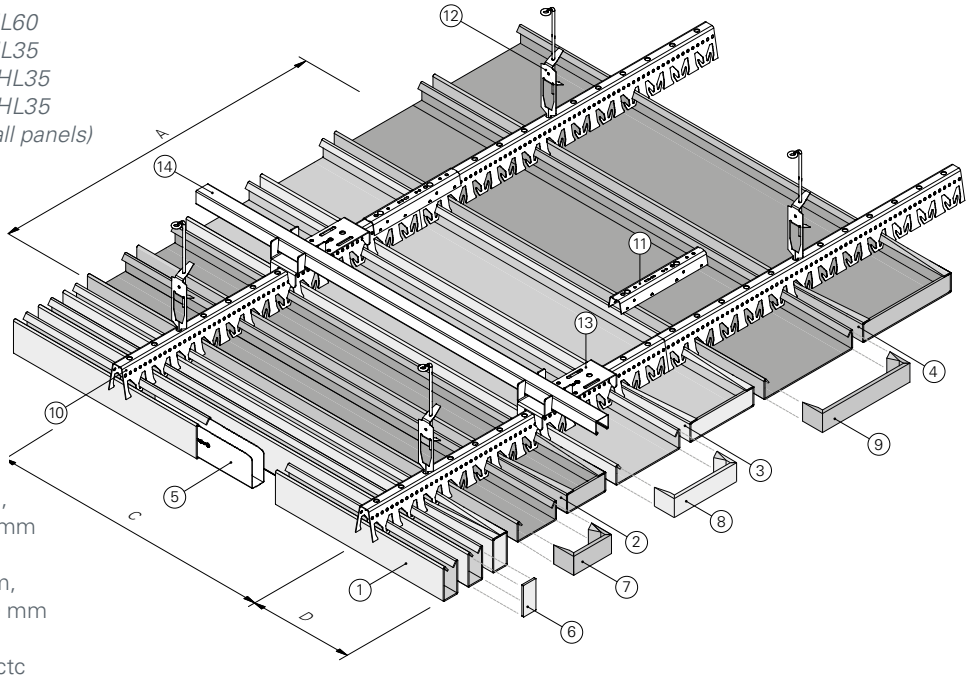
Production by Hunter Douglas Ceiling Center

EN 13964 E1

A+ A B C A+

TYPICAL ISOMETRICS

1 = HeartFelt® MultiPanel 30HL60
2 = HeartFelt® MultiPanel 80HL35
3 = HeartFelt® MultiPanel 130HL35
4 = HeartFelt® MultiPanel 180HL35
5 = Panel splice (available for all panels)
6 = End cap 30HL60
7 = End cap 80HL35
8 = End cap 130HL35
9 = End cap 180HL35
10 = Carrier
11 = Carrier splice
12 = Quick hanger
13 = Stabilisation bracket
14 = Stabilisation profile

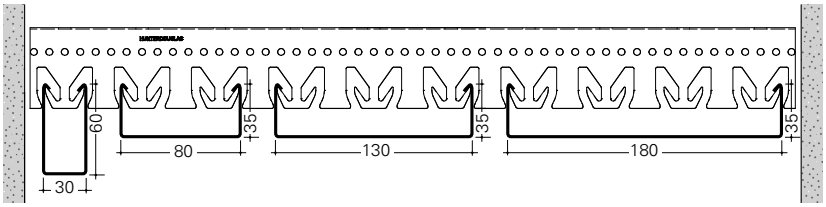


Maximum panel span 1200 mm,
maximum panel cantilever 150 mm

maximum carrier span 1500 mm,
maximum carrier cantilever 300 mm

Stabilisation profiles 3000 mm ctc

TYPICAL SECTIONS



30HL60 : 30 x 60 mm
80HL35 : 80 x 35 mm
130HL35: 130 x 35 mm
180HL35: 180 x 35 mm

ACOUSTICS

See page 349 for acoustic performance information

PHYSICAL DATA

B-s1,d0
EN 13501-1

Varies with colour

Class B

80HL35 M100:
α_w = 0.65 (H)
180HL35 M200:
α_w = 0.70 (H)

30HL60:
2.9 kg/m² (M50)
80HL35:
1.7 kg/m² (M100)
130HL35:
1.5 kg/m² (M150)
180HL35:
1.4 kg/m² (M200)

OPTIONAL

Colours:
See page 38

GROOVE
HEARTFELT®

Project: Visualisation - Product: HeartFelt® Groove

KEY FEATURES

- Modular ceiling system with felt panels
- Panel dimensions 60 x 50 mm
- Panel length 1000 to 6000 mm
- One standard carrier black with module 80
- Groove panel is characterized by a special W-form
- Clever visual end result: optically a ceiling system with very slim lamellas, each 20 mm wide, each with an optical distance of 20 mm
- Easy plenum access
- Interior applications
- Also available as wall solution

OEKO TEX® STANDARD 100 1702004 Centexbel www.oeko-tex.com

EPD EN 15804 VERIFIED

cradle to cradle CERTIFIED BRONZE

ISO 14001 SGS ISO 9001 SGS

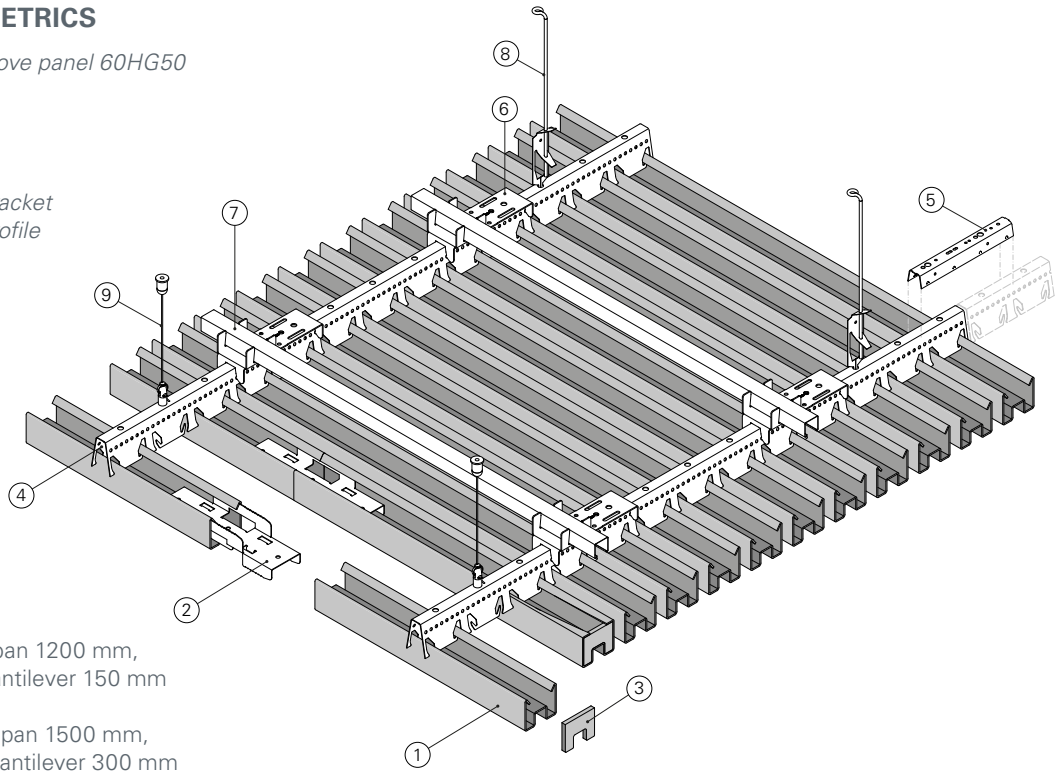
Production by Hunter Douglas Ceiling Center

EN 13964 E1

A+ A+ A B C

TYPICAL ISOMETRICS

1 = HeartFelt® Groove panel 60HG50
2 = Panel splice
3 = End cap
4 = Carrier
5 = Carrier splice
6 = Stabilisation bracket
7 = Stabilisation profile
8 = Quick hanger
9 = Wire hanger

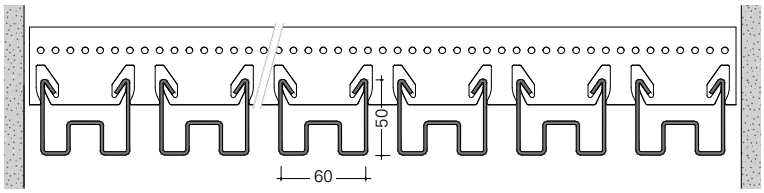


Maximum panel span 1200 mm,
maximum panel cantilever 150 mm

Maximum carrier span 1500 mm,
maximum carrier cantilever 300 mm

Stabilisation profiles 3000 mm ctc

TYPICAL SECTIONS



60HG50: 60 x 50 mm

ACOUSTICS

See page 349 for acoustic performance information

PHYSICAL DATA

B-s1,d0
EN 13501-1

Varies with colour

Class
α_W = 0.65 (H)

Kg
60HG50: 2.5 kg/m²

A B C D
Class B

OPTIONAL

Colours:
See page 38

Wall apllication
see page 290

Project: Ziegler office, Rotterdam, The Netherlands - Product: HeartFelt® Island medium - Architect: Hunter Douglas Architectural

KEY FEATURES

- Ceiling island with felt panels
- Designed as free-hanging elements, can be installed in almost any room
- Consisting of box-shaped panels with dimensions: 40 x 55 mm, installed with module 60
- 3 sizes available:
  - Island small: 270 x 70 cm
  - Island medium: 270 x 142 cm
  - Island large: 270 x 286 cm
- Very easy installation
- Easy plenum access
- Interior applications

OEKO TEX® STANDARD 100 1702004 Centexbel www.oeko-tex.com

EPD EN 15804 VERIFIED

cradle to cradle CERTIFIED BRONZE

ISO 14001 SGS ISO 9001 SGS

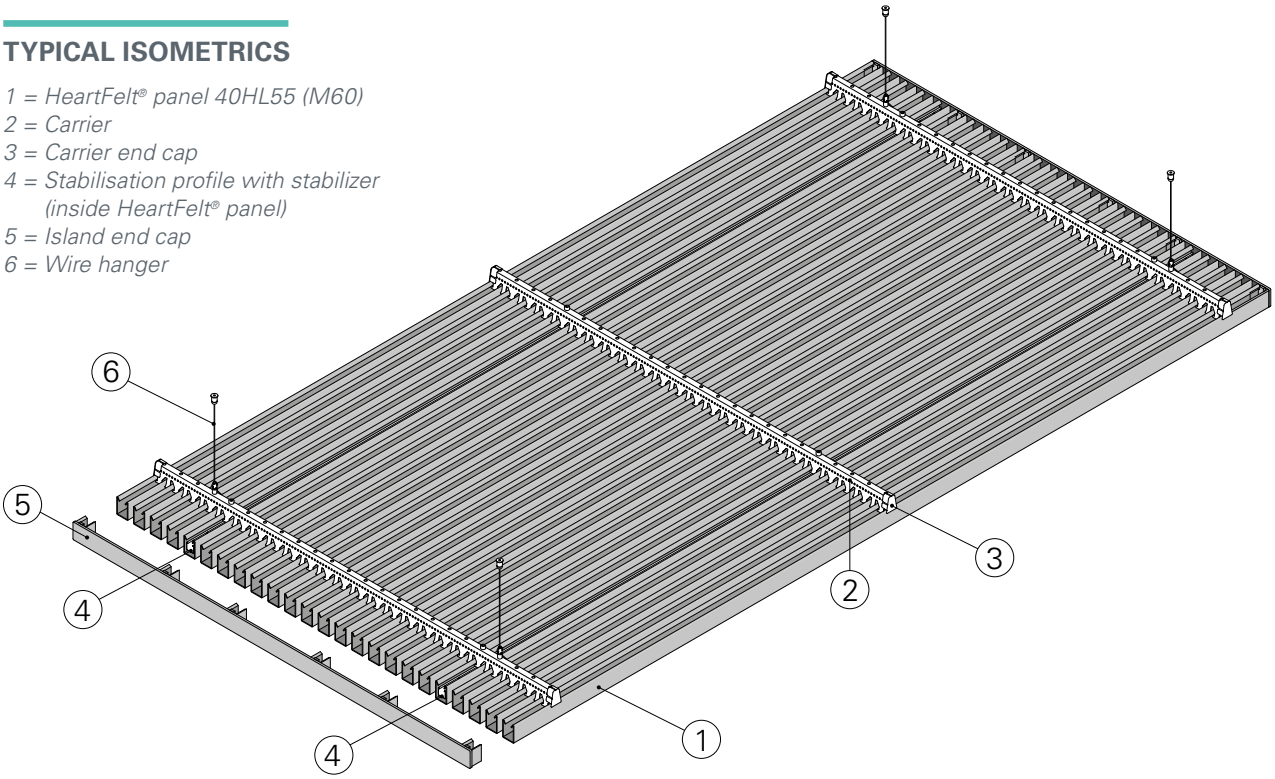
Production by Hunter Douglas Ceiling Center

EN 13964 E1

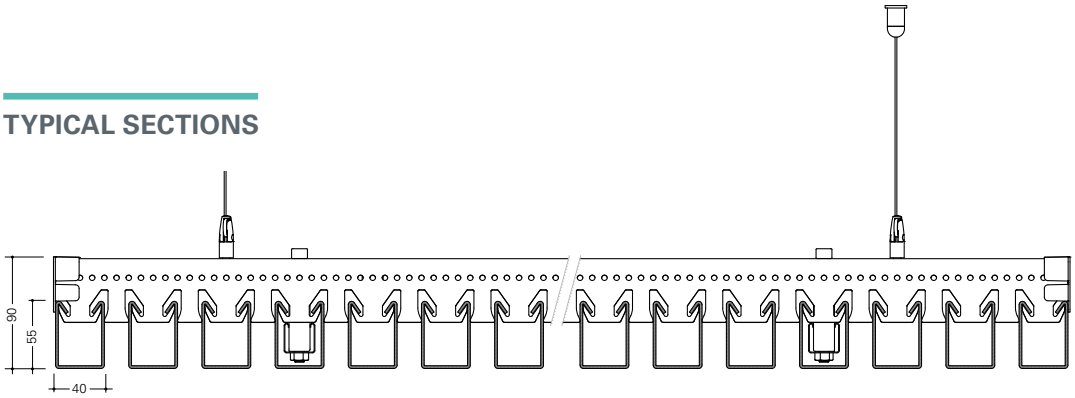
A+ A+ A B C

TYPICAL ISOMETRICS

1 = HeartFelt® panel 40HL55 (M60)
2 = Carrier
3 = Carrier end cap
4 = Stabilisation profile with stabilizer (inside HeartFelt® panel)
5 = Island end cap
6 = Wire hanger



TYPICAL SECTIONS



Type	Format (L x W)	Number of panels per island
Small	270 x 70 cm	12
Medium	270 x 142 cm	24
Large	270 x 286 cm	48

PHYSICAL DATA

B-s1,d0

Varies with colour

40HL55 (M60):
α_W = 0.65 (H)

40HL55 (M60):
2.3 kg/m²

Class B

OPTIONAL

Colours:
See page 38

PAREAULUX CLIMATE CEILING

HEARTFELT®

Project: AFAS Headquarter, Leusden, The Netherlands - Product: PareauLux HeartFelt® climate ceiling - Architect: Just Architects

KEY FEATURES

- 80% more capacity over a standard climate ceiling
- Unparalleled design freedom
- Panel dimension: box shaped 40 x 55 mm
  rounded 40 x 64 mm
- Sustainable solution
- Acoustical comfort
- Low exploitation cost
- Positive influence on sustainability certification
- Always a comfortable and even temperature

OEKO TEX® STANDARD 100 1702004 Centexbel www.oeko-tex.com

EPD EN 15804 VERIFIED

cradle to cradle CERTIFIED BRONZE

ISO 14001 SGS ISO 9001 SGS

Production by Hunter Douglas Ceiling Center

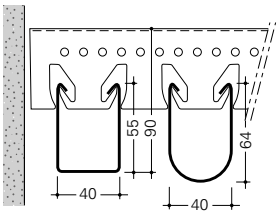
EN 13964 E1

A+ A+ A B C

TYPICAL ISOMETRICS

Typical lay out has a grid size of 1200 x 1200 mm
Within this dimension 2 climate panels of modular 600 x 1200 mm are installed

TYPICAL SECTIONS



40HL55 : 40 x 55 mm
40HR64 : 40 x 64 mm

ACOUSTICS

See page 348 for acoustic performance information

PHYSICAL DATA

B-s1,d0

Varies with colour

Class

40HL55 M50:
α_W = 0.70 (H)

Kg

40HL55 M50:
4.6 kg/m²

ABCD

Class B

OPTIONAL

Colours:
See page 38

COLOURS

Colours are for illustration purposes only.
Shades of grey are available for all HeartFelt® panels.
Earth tones are only available for a limited number of products, see below.

SHADES OF GREY

Linear, MultiPanel, Groove, Islands & PareauLux: all panels

White 7593 | Light Grey 7596 | Middle Grey 7597 | Dark Grey 7598 | Black 7594

EARTH TONES

Linear: only 40HL55 and 40HR64
Islands: only 40HL55
PareauLux: only 40HL55

Creme 7575 | Light Brown 7576 | Medium Brown 7577 | Dark Brown 7578 | Umber 7579

Project: Radboud University, Nijmegen, The Netherlands - Product: HeartFelt® Linear - Architect: AGS Architects

HEARTFELT®

Project: Mc Laren Showroom, Stockholm, Sweden - Product: HeartFelt® Baffles - Architect: Semler Gruppen

KEY FEATURES

- Modular felt baffle system
- Flat/efficient transport
- Baffle profile lengths 200 mm to 2000 mm
- Dimensions
  - Baffle height: 100 - 500 mm
  - Baffle width: 40 - 80 mm
- Standard FE carrier 25 x 24 mm, black
- Easy installation and low risk for damages
- On site waste reduction with factory fabricated dimensional material
- Interior applications
- Easy plenum access

reddot winner 2020

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EPD

cradle to cradle CERTIFIED BRONZE

ISO 14001 SGS ISO 9001 SGS

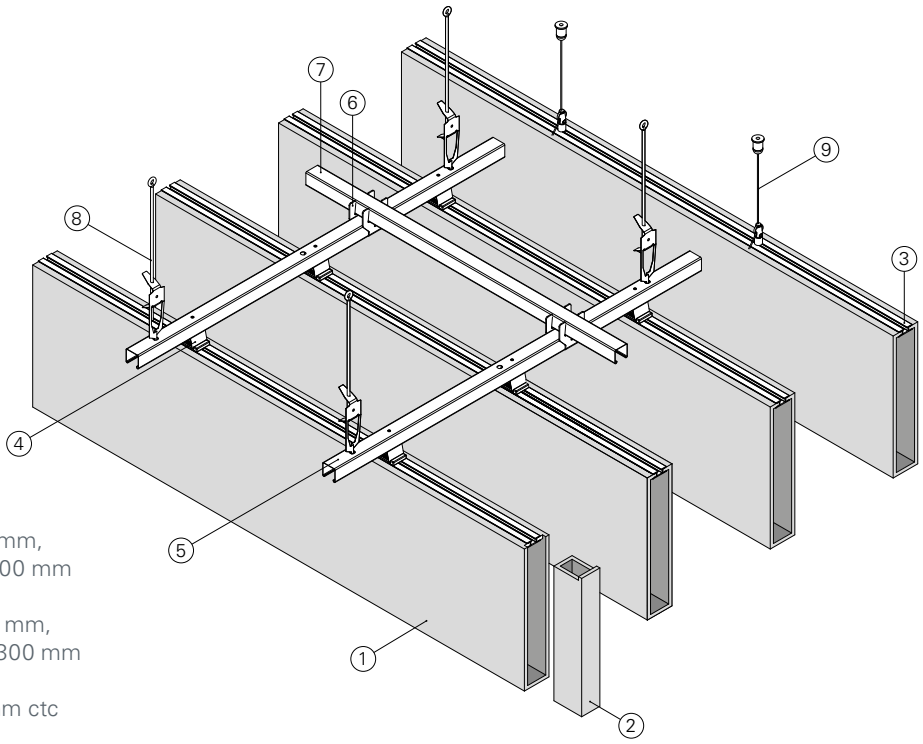
Production by Hunter Douglas Ceiling Center

EN 13964 E1

A+ A B C A+

TYPICAL ISOMETRICS

1 = Baffle
2 = End cap
3 = Mounting profile
4 = Mounting clip
5 = Carrier
6 = Stabilisation bracket
7 = Stabilisation profile
8 = Quick hanger
9 = Wire hanger



Maximum panel span 1900 mm,
maximum panel cantilever 500 mm

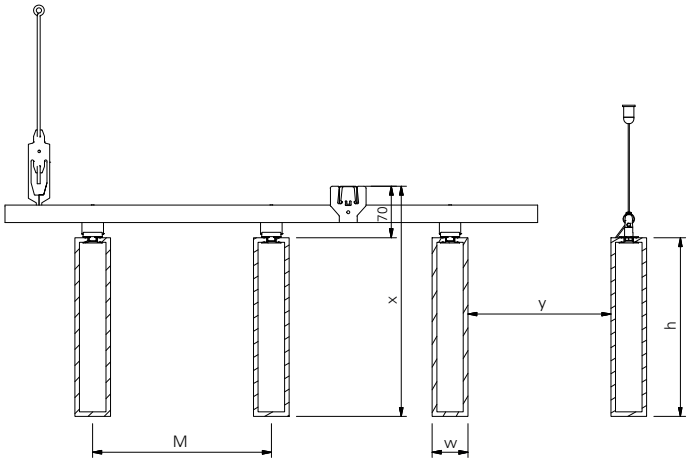
Maximum carrier span 1200 mm,
maximum carrier cantilever 300 mm

Stabilisation profiles 2400 mm ctc

TYPICAL SECTIONS

x = h+70
h = Baffle height
(100 - 500 mm)
w = Baffle width
(40 - 80 mm)

M = Module
(recommended w+h)
y = Baffle distance
(recommended h)



ACOUSTICS

See page 349-350 for acoustic performance information

PHYSICAL DATA

B-s1,d0
EN 13501-1

Varies with colour

Class B

50HB250 M250:
α_w = 0.50 (H)
50HB250 M500:
α_w = 0.45 (H)

80HB100 M190:
5.0 kg/m²
40HB500 M540:
2.4 kg/m²

OPTIONAL

Colours:
See page 46

ORIGAMI PYRAMID & CURVE
HEARTFELT®

Project: Australian Museum, Sydney, Australia - Product: HeartFelt® Origami Pyramid - Architect: Goppion

KEY FEATURES

- HeartFelt® Origami includes three different creative shapes: Pyramid, Curve and Weave
- Flat felt panels that take on their final shape and pattern during installation through folding lines and incisions
- Flat/efficient transport
- Dimension of all shapes (tile size): 600 x 600 mm
- HeartFelt® Origami Pyramid: available in one variant with pyramid-like folds
- HeartFelt® Origami Curve: available in two variants
  - Origami S-Curve: symmetrically curved
  - Origami A-Curve: asymmetrically curved
- Standard FE carrier 25 x 24 mm, black
- Easy installation and low risk for damages
- On site waste reduction with factory fabricated dimensional material
- Interior applications
- Easy plenum access

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EPD EN 15804 VERIFIED

cradle to cradle CERTIFIED BRONZE

ISO 14001 SGS ISO 9001 SGS

Production by Hunter Douglas Ceiling Center

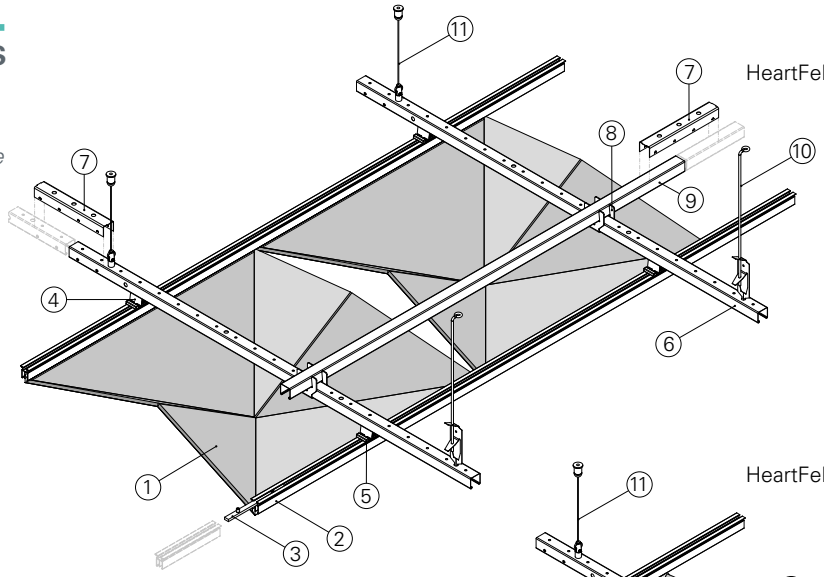
EN 13964 E1

A+ A+ A B C

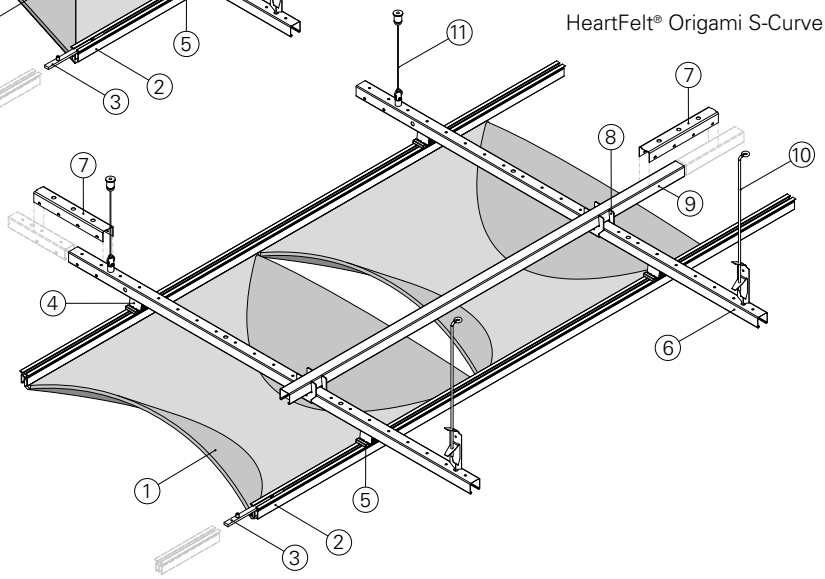
TYPICAL ISOMETRICS

1 = Origami tile
2 = Mounting profile
3 = Mounting profile splice
4 = Mounting clip
5 = Locking clip
6 = Carrier
7 = Carrier splice
8 = Stabilisation bracket
9 = Stabilisation profile
10 = Quick hanger
11 = Wire hanger

HeartFelt® Origami Pyramid



HeartFelt® Origami S-Curve



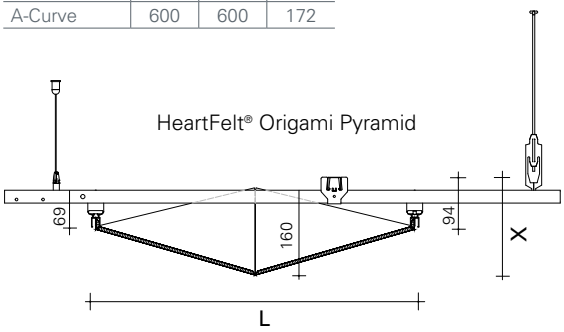
Maximum carrier span 1200 mm,
maximum carrier cantilever 250 mm

Stabilisation profiles 2400 mm ctc

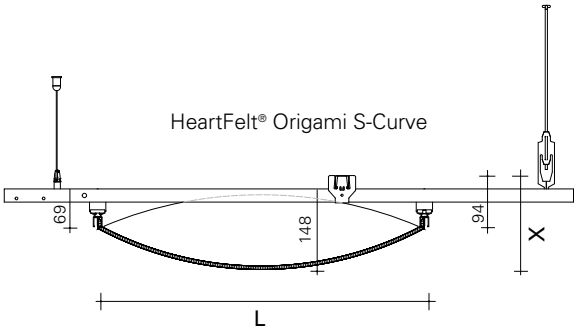
TYPICAL SECTIONS

	L	W	X
Pyramid	600	600	185
S-Curve	600	600	172
A-Curve	600	600	172

HeartFelt® Origami Pyramid



HeartFelt® Origami S-Curve



ACOUSTICS

See page 350 for acoustic performance information

PHYSICAL DATA

B-s1,d0
EN 13501-1

Varies with colour

Pyramid:
α_w = 0.80
S-Curve:
α_w = 0.75

2.6 kg/m²

Class B

OPTIONAL

Colours:
See page 46

ORIGAMI WEAVE
HEARTFELT®

Project: Visualisation - Product: HeartFelt® Origami Weave

KEY FEATURES

- HeartFelt® Origami includes three different creative shapes: Pyramid, Curve and Weave
- Flat felt panels that take on their final shape and pattern during installation through folding lines and incisions
- Flat/efficient transport
- Dimension of all shapes (tile size): 600 x 600 mm
- HeartFelt® Origami Weave: available in four variants
  - Origami Weave 3: consisting of 3 stripes of 200 mm width each
  - Origami Weave 4: consisting of 4 stripes of 150 mm width each
  - Origami Weave 5: consisting of 5 stripes of 120 mm width each
  - Origami Weave 6: consisting of 6 stripes of 100 mm width each
- Standard FE carrier 25 x 24 mm, black
- Easy installation and low risk for damages
- On site waste reduction with factory fabricated dimensional material
- Interior applications
- Easy plenum access

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Production by Hunter Douglas Ceiling Center

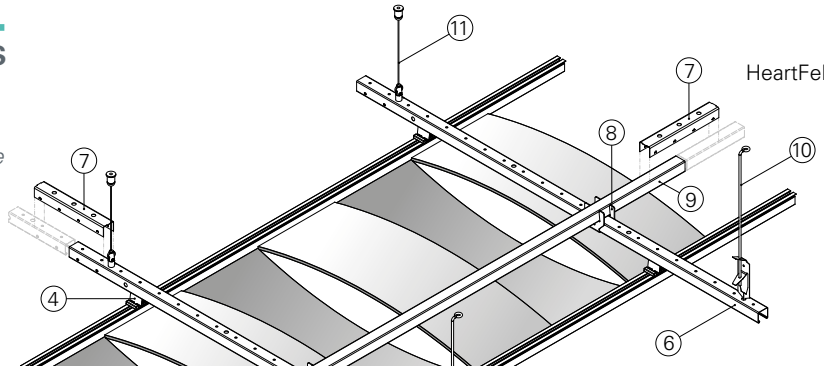
EN 13964 E1

A+ A+ A B C

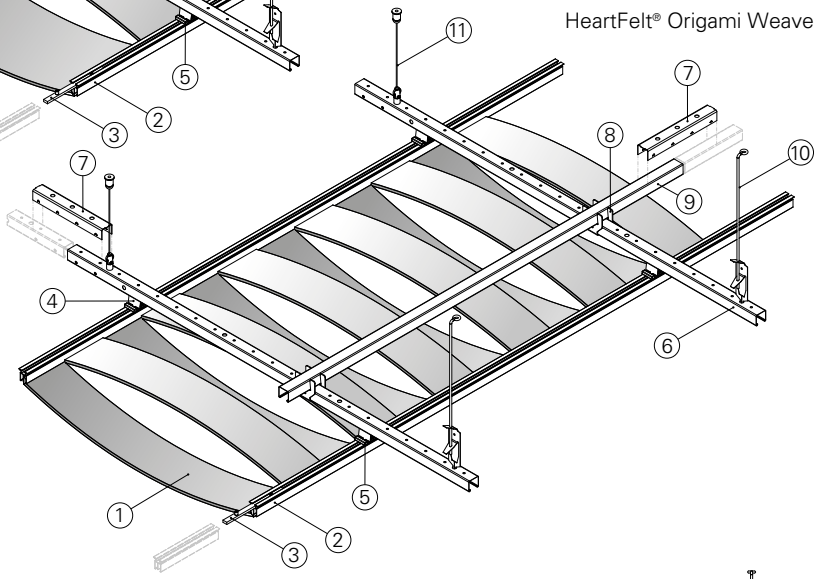
TYPICAL ISOMETRICS

1 = Origami tile
2 = Mounting profile
3 = Mounting profile splice
4 = Mounting clip
5 = Locking clip
6 = Carrier
7 = Carrier splice
8 = Stabilisation bracket
9 = Stabilisation profile
10 = Quick hanger
11 = Wire hanger

HeartFelt® Origami Weave 3



HeartFelt® Origami Weave 6



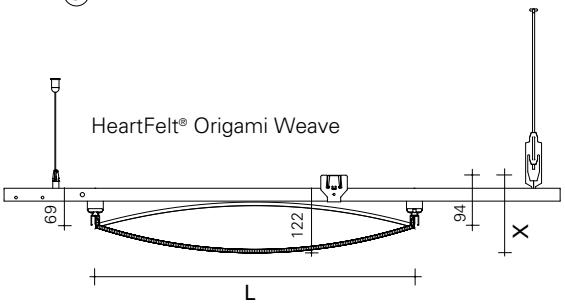
Maximum carrier span 1200 mm,
maximum carrier cantilever 250 mm

Stabilisation profiles 2400 mm ctc

TYPICAL SECTIONS

	L	X	Width of tiles	Number of stripes	Width of stripes
Weave 3	600	146	600	3	200
Weave 4	600	146	600	4	150
Weave 5	600	146	600	5	120
Weave 6	600	146	600	6	100

HeartFelt® Origami Weave



ACOUSTICS

See page 350 for acoustic performance information

PHYSICAL DATA

B-s1,d0
EN 13501-1

Varies with colour

Class

Weave 3:
α_w = 0.70
Weave 6:
α_w = 0.50

Kg

2.6 kg/m²

A B C D

Class B

OPTIONAL

Colours:
See page 46

COLOURS

Colours are for illustration purposes only.

SHADES OF GREY

White
7593

Light Grey
7596

Middle Grey
7597

Dark Grey
7598

Black
7594

EARTH TONES

Creme
7575

Light Brown
7576

Medium Brown
7577

Dark Brown
7578

Umber
7579

Project: Visualisation - Product: HeartFelt® Origami A-Curve

COMBILINE

Project: Visualisation - Product: Veneered Wood + HeartFelt® + Metal - Pattern: Play

KEY FEATURES

- Modular linear combi ceiling system with felt panels. Standard modulation 50 mm, custom modulations on request
- All mounted on one carrier
  - HeartFelt® panel dimensions: 30 x 60 mm
  - Wood panel dimensions: 30 x 60 mm
  - Metal panel dimensions: 30 x 39/64 mm
- Panel length: 1000 to 6000 mm
- System height : 94.4 mm
- Three themes and four style groups for spectacular designs
- Easy plenum access
- Interior applications
- Compatible with industry standard lighting, HVAC, speaker, fire safety, and security services

FSC PEFC

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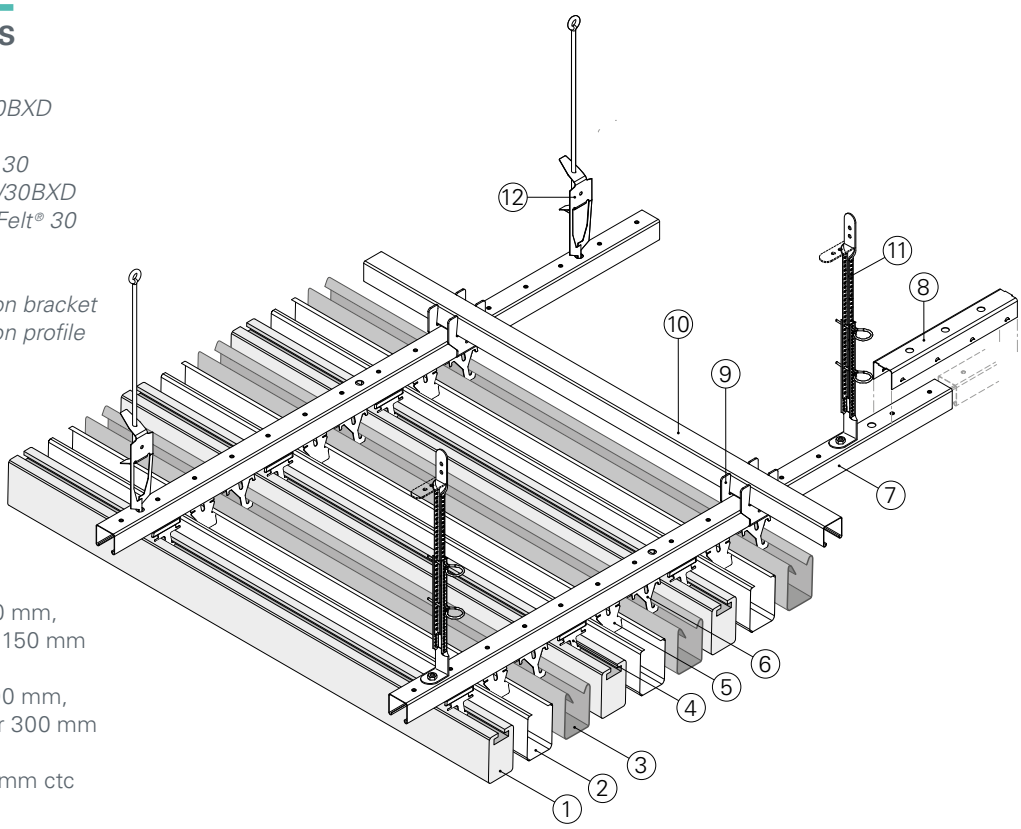
Production by Hunter Douglas Ceiling Center

EN 13964 E1

A+ A B C A+

TYPICAL ISOMETRICS

1 = Wood panel 30WL60
2 = Metal Linear 30BD/30BXD
3 = HeartFelt® 30HL60
4 = CombiLine clip wood 30
5 = CombiLine clip 30BD/30BXD
6 = CombiLine clip HeartFelt® 30
7 = Universal carrier
8 = Carrier splice
9 = CombiLine stabilisation bracket
10 = CombiLine stabilisation profile
11 = Nonius hanger
12 = Quick hanger

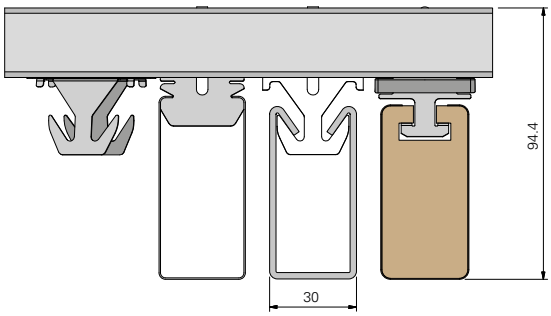


Maximum panel span 1200 mm,
maximum panel cantilever 150 mm

Maximum carrier span 1500 mm,
maximum carrier cantilever 300 mm

Stabilisation profiles 2400 mm ctc

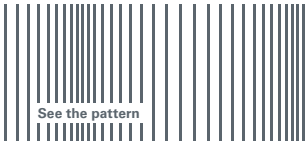
TYPICAL SECTIONS



PATTERNS

Play
Combination of materials in 1 module.

Repeat
Combination of materials in variable modules and variable densities.



Pause
Random patterns with one or more materials featuring ruptured lines.

PHYSICAL DATA

See individual material data

Varies with colour

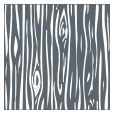
30HL60 M50:
α_W = 0.70 (H)
30BXD:
α_W = 0.55 (H)

Depends on material and module

Class A and B
EN 13964

OPTIONAL

Colours:
See page 50



COLOURS AND FINISHES

The unique modular nature of the CombiLine system allows the designer to design a creation from four colour combinations and four completely different ceiling styles, each with its own unique colour and finish.

There is a wide selection of materials and products available to enable the architect to be truly creative with the room space he or she is creating. Each style group consists of a selection of materials that helps create a mood board and a matching space where the product can be applied.

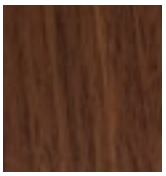
FOUR STYLE GROUPS

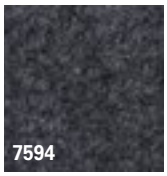
CombiLine system is available in four colour styles and a variety of materials.

Modest Elegance

: A style that matches interiors characterized by understated luxury.

Material choice : *Dark matt metal, luxurious wood types such as walnut and oak and deep dark HeartFelt® shades.*


Veneer Walnut



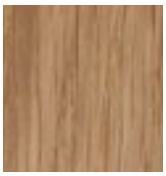
HeartFelt® Black

Metal Matt Black

HeartFelt® Dark Grey

Metal Matt Grey

HeartFelt® Middle Grey


Veneer European Oak

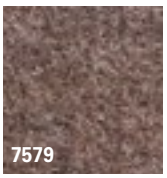
Natural Purity

: A style that matches a pure and natural interior.

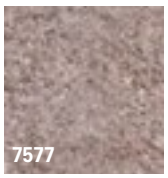
Material choice : *Warm umber tones HeartFelt®, warm deep wood tones such as walnut and cherry, with even the metal range available in similar tones.*

Veneer Cherry

Veneer Walnut

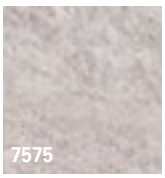


HeartFelt® Umber



HeartFelt® Medium Brown

Metal Warm Beige



HeartFelt® Creme

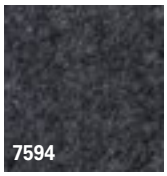
Metal Grey-White

Linear Minimalist

: A style that matches the sleek minimalist interior.

Material choice : *Greyed shades of HeartFelt® combined with silver, black and white metal.*

Metal Matt Black



HeartFelt® Black

HeartFelt® Light Grey

Metal Metallic

HeartFelt® White

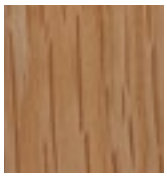
Metal Matt White

Soft Scandinavian

: A style that is characterized by light colours and a soft yet business-like minimal appearance.

Material choice : *Light metallic colours interspersed with soft greyish HeartFelt® shades and light wood.*

Veneer Maple


Veneer Oak

Veneer Bamboo

HeartFelt® Light Grey

HeartFelt® White

Metal Matt Scandinavian White

Project: Visualisation - Product: CombiLine - Pattern: Repeat

Project: De Stadswinkel, Tilburg, The Netherlands - Product: HeartFelt® Linear - Architect: Common Affairs

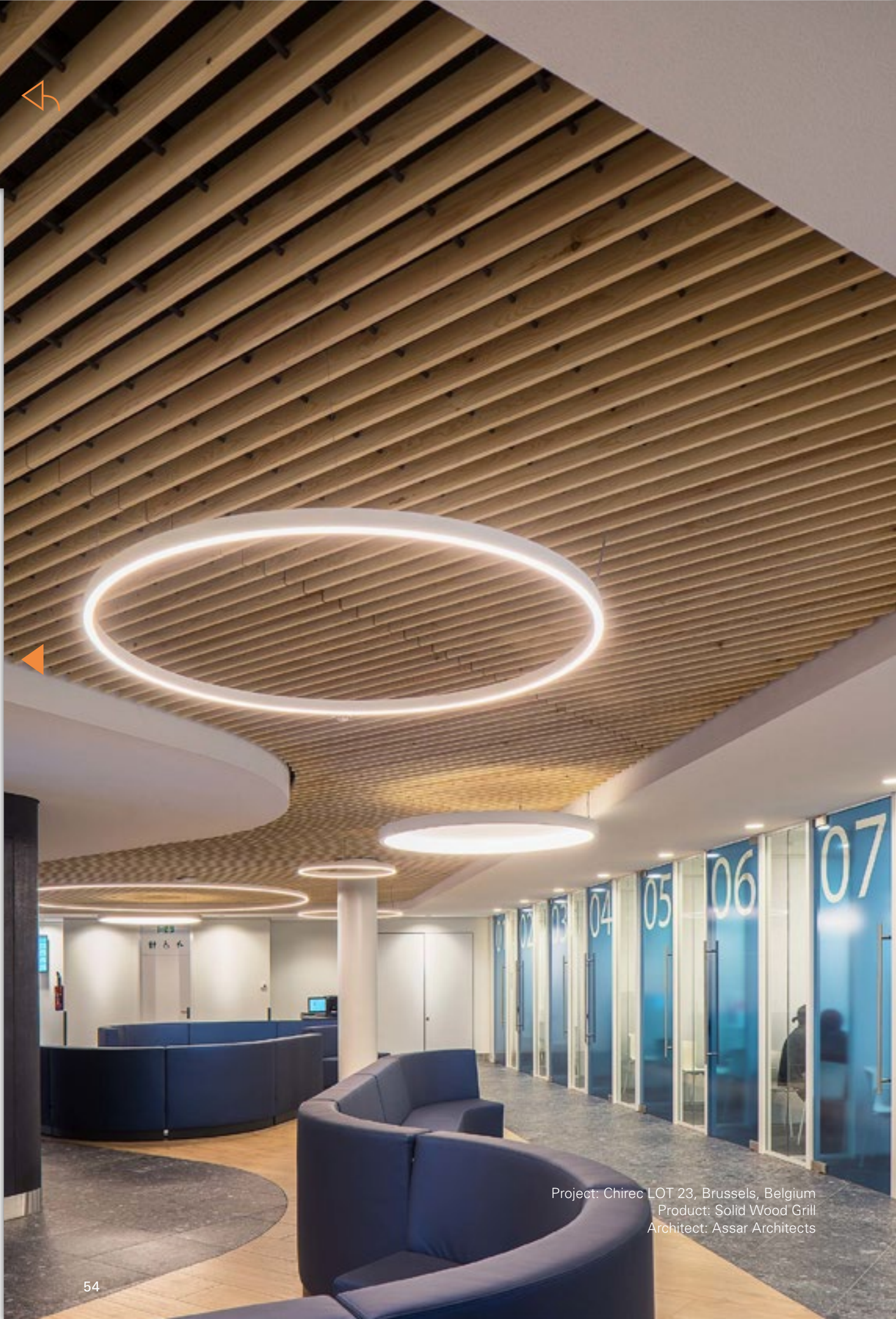
THE PROJECT

"De Stadswinkel" in Tilburg, once an unremarkable city office, has undergone a stunning transformation into a beacon of sustainability and circular design. The exterior, formerly a beige monolith, now boasts a visually striking wooden facade composed of 90,000 screwed slats of varying thicknesses. This circular exterior, paired with sleek lacquered wooden frames and curtain walls, elevates the building into a contemporary icon.

At the heart of the interior transformation is Hunter Douglas Architectural's HeartFelt® Linear. Spanning three floors and covering an impressive 2,840 m^2, these linear panels contribute not only to aesthetics but also sustainable acoustics. By alternating the linear panels with different heights, eye-catching patterns are created. Crafted with precision, HeartFelt® Linear is designed to be 100% recyclable, ensuring that it aligns seamlessly with circular principles by prioritizing easy recyclability and reusability. This commitment minimizes environmental impact and emphasizes responsible resource use, creating an inviting atmosphere that enhances comfort and attractiveness in public spaces.

The Circular Building Performance (CPG) rating system serves as a testament to the city hall circular achievements. With an outstanding total score of 8.7 on a scale of 1 to 10, the City Store exemplifies Tilburg's unwavering commitment to sustainability. HeartFelt® Linear emerges as a key player, not just in aesthetics and acoustics but as a symbol of responsible manufacturing and material use.

In the narrative of the building's innovative and sustainable urban transformation, HeartFelt® Linear stands out as a symbol of sustainability and responsibility. Its application not only contributes to a positive acoustic experience and a warm ambiance in public spaces but also aligns with the circular vision of the project. Hunter Douglas Architectural's HeartFelt® Linear emerges as an essential element, underscoring its commitment to a sustainable future through easy recyclability and reusability.

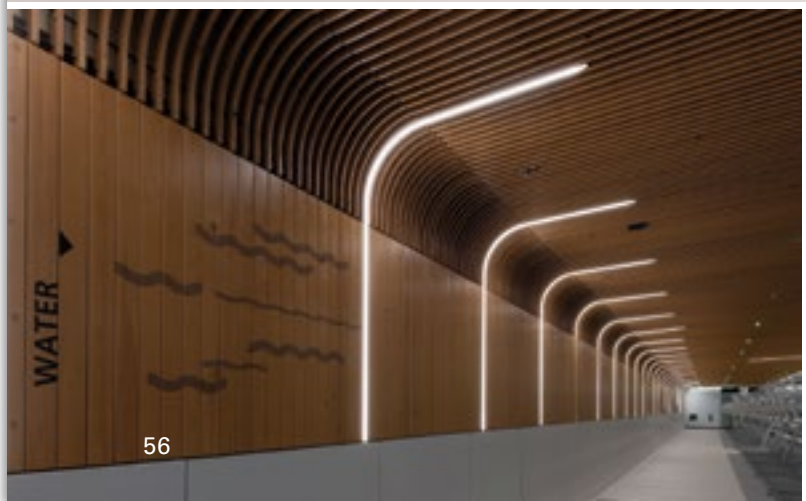


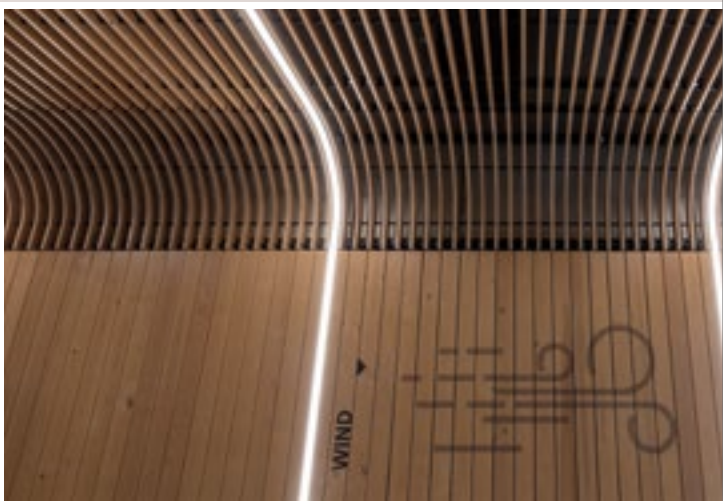
Project: Chirec LOT 23, Brussels, Belgium
Product: Solid Wood Grill
Architect: Assar Architects

WOOD CEILINGS

The Wood Ceilings provide you a wide collection of natural looks that are as durable as they are distrinctive. Whether choosing our solid wood panels, wood veneered solutions or natural looking woodprints, all will bring a natural feel to any project.

Rij 4
93
93


WATER


WIND

Project : Bike parking IJboulevard, Amsterdam, The Netherlands
Product : Solid Wood Linear and Grill
Architect: VenhoevenCS

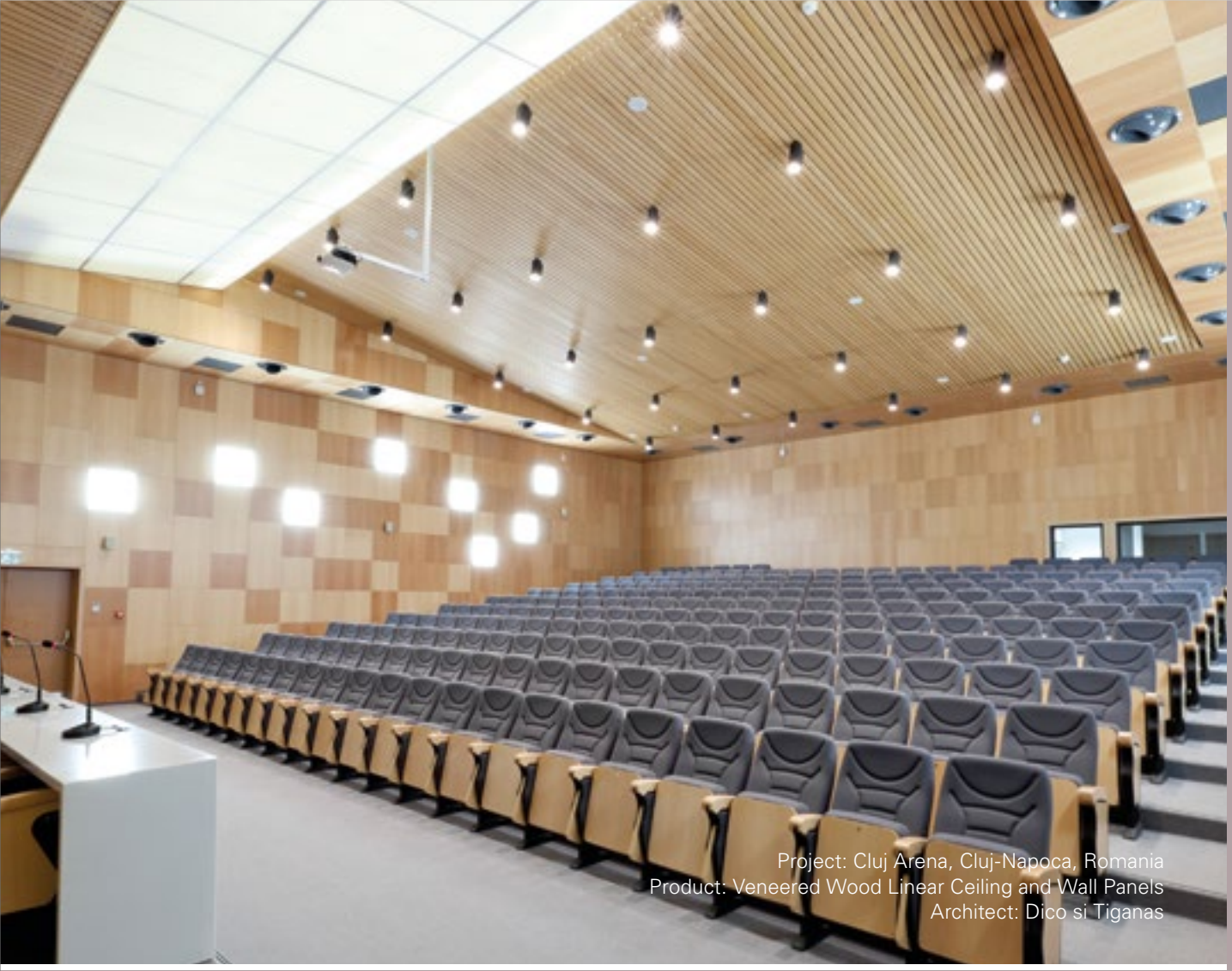
"A UNIQUE UNDERWATER BIKE PARKING"

The Netherlands is known for its cycling culture, its surrounding water and its many water ways. All these elements come together in this unique project on the IJ side of Amsterdam central station, the busiest infrastructural hub of Amsterdam. With space for more than 4,000 bicycles. It is an exceptional architectural building project, typical of the Netherlands.

In collaboration with Verwol, Hunter Douglas was able to supply 3,700 m^2 of solid wood Grill ProLine ceiling system and 200 m^2 of Linear ProLine wall system for the new Bike Parking IJboulevard. A masterpiece in which the collaborative qualities, logistical features and technical expertise of all parties were utilised to the full.

Everything is rounded off in this 'underground' bicycle parking, both horizontally as vertically. That is why Hunter Douglas and Verwol started preparations well before completion. Hunter Douglas made a technical translation from the design to the solid wood systems and worked out a detailed installation plan, while Verwol handled the technical aspects of this huge project down to perfection.

Project: University Of Greenwich Student Hub, Greenwich, United Kingdom
Product: Solid Wood Linear ProLine
Architect: Dannatt Johnson Architects



Project: Cluj Arena, Cluj-Napoca, Romania
Product: Veneered Wood Linear Ceiling and Wall Panels
Architect: Dico si Tiganas

WOOD CEILINGS

SOLID WOOD LINEAR BASELINE 60
LINEAR PROLINE 62
GRILL BASELINE 64
GRILL PROLINE 66
VENEERED WOOD LINEAR 70
GRILL 74
PAREAULUX GRILL CLIMATE CEILING 76
TILES CLASSIC 80
TILES MODERN 82
TILES PRESTIGE 84
TOPLINE 88
METAL WOODPRINT 92
PROJECT SOLUTIONS 96

LINEAR BASELINE
SOLID WOOD

Project: Big Green Egg, De Lier, The Netherlands - Product: Solid Wood Linear BaseLine - Architect: team pauldevroom + sputnik

KEY FEATURES

- Interior applications
- Ceiling solutions: Linear Open, fixed rails
- Panel width: 92 mm or 116 mm with module 111 mm or 135 mm
- Mixed length with a minimum of 900 mm, manufactured inclusive tongue and groove connection
- Panel thickness: 15 mm; other sizes are available, see Linear ProLine
- The standard colours of the non-woven tissue between the joint is black
- Quick and invisible mounting according to a fixed pattern due to the specially developed fixing method
- Budget-friendly wood species spruce
- High-quality finishing against moisture, dust and dirt
- Transparent or range of colours available
- Compatible with industry standard lighting, HVAC, speaker, fire safety and security services
- Non-certified
- Integral guarantee for support systems, wood, finish and fire retardance
- See Solid Wood Linear ProLine for more wood species and other options

Produced and certified by Derako International

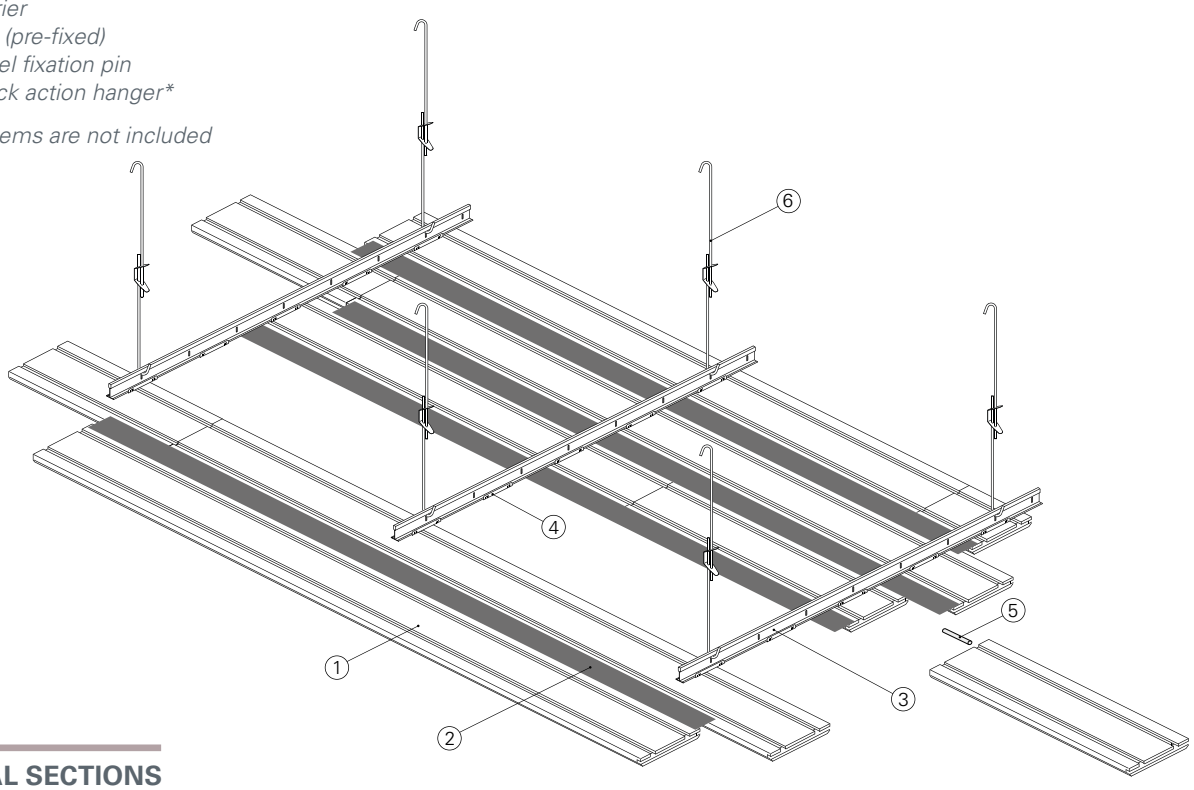
EN 13964
E1

A+

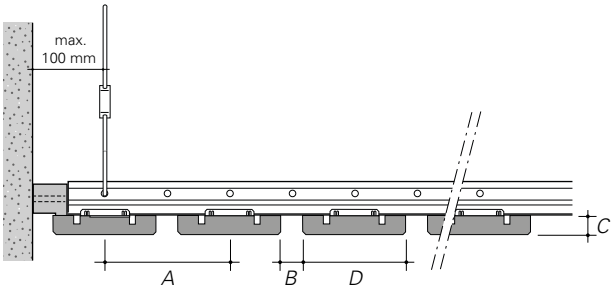
TYPICAL ISOMETRICS

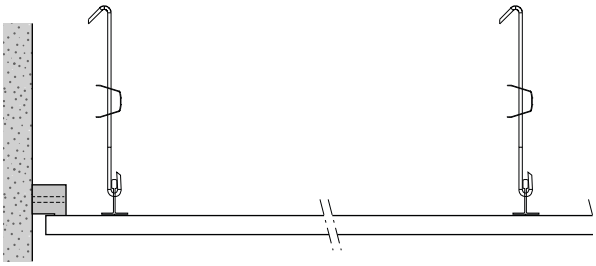
1 = Solid Wood Linear panel
2 = Pre-applied acoustic non-woven tissue
3 = Carrier
4 = Clip (pre-fixed)
5 = Panel fixation pin
*6 = Quick action hanger**

**These items are not included*



TYPICAL SECTIONS





A = Module
B = Joint
C = Panel thickness
D = Panel width

PHYSICAL DATA

B-s2,d0 According to EN 13501-1
B-s1,d0 available on request

α_W 0.15 - 0.35
See page 351

5.0 - 12.0 kg/m²

Moist cloth

OPTIONAL

Colours:
See page 68

Exterior solutions:
See page 240

Wall solutions:
See page 294

LINEAR PROLINE
SOLID WOOD

Project: Edenbrook Leisure Centre, Fleet, United Kingdom - Product: Solid Wood Linear ProLine - Architect: GT3 Architects

KEY FEATURES

- Interior applications
- Three ceiling solutions: Linear Open, MultiPanel & Linear Closed, fixed or 50% demountable
- Panel widths from 63 mm up to 184 mm
- Mixed length with a minimum of 900 mm, manufactured inclusive tongue and groove connection. Fixed length on request
- Panel thickness from 15 up to 20 mm
- Available in different modules and joint width
- With the MultiPanel system various widths can be combined to create a dynamic look and feel
- Other sizes are available upon request
- The standard colours of the non-woven tissue between the joint is black, white or grey. Other options on request
- Quick and invisible mounting according to a fixed pattern due to the specially developed fixing method
- Budgetary flexibility with over 15 wood species within various price categories
- High-quality finishing against moisture, dust and dirt. Transparent or wide range of colours available
- Curved, undulating and special shapes possible
- Special system coatings available for humid area application
- Compatible with industry standard lighting, HVAC, speaker, fire safety and security services
- Certified: FSC, PEFC, Cradle to Cradle silver
- Integral guarantee for support systems, wood, finish and fire retardance
- Contribution to obtaining credits within BREEAM and LEED

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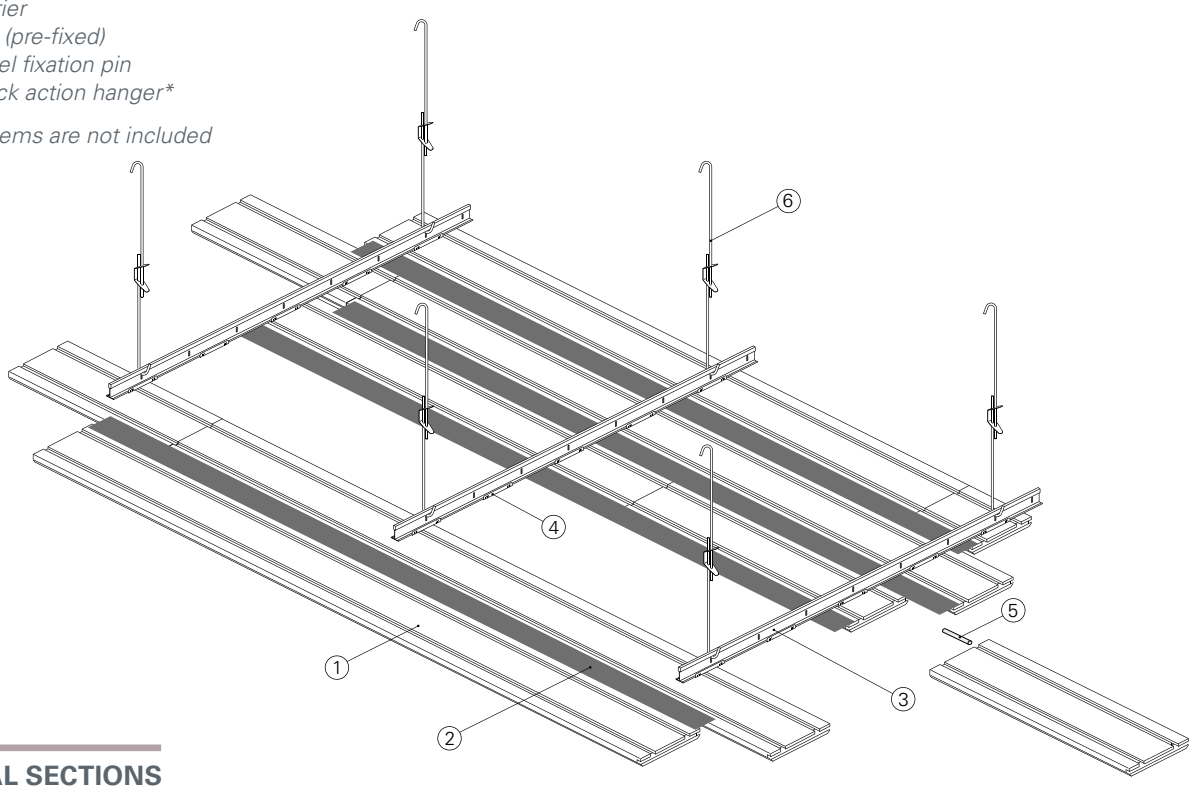
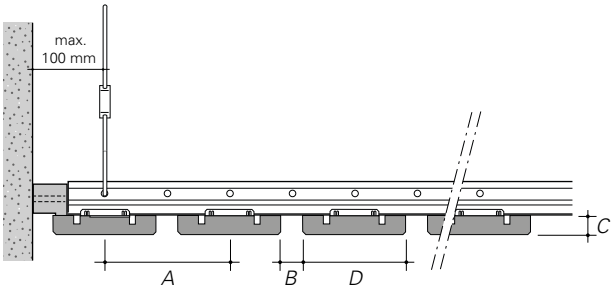
TYPICAL ISOMETRICS

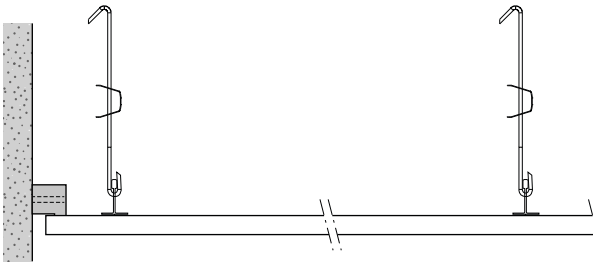
1 = Wood Linear BaseLine panel
2 = Pre-applied acoustic non-woven tissue
3 = Carrier
4 = Clip (pre-fixed)
5 = Panel fixation pin
*6 = Quick action hanger**

**These items are not included*



TYPICAL SECTIONS





A = Module
B = Joint
C = Panel thickness
D = Panel width

PHYSICAL DATA

B-s2,d0 According to EN 13501-1
B-s1,d0 available on request

α_W 0.15 - 0.35
See page 351

5.0 - 12.0 kg/m²

Moist cloth

OPTIONAL

Colours:
See page 68

Exterior solutions:
See page 240

Wall solutions:
See page 294

GRILL BASELINE
SOLID WOOD

Project: Office Eindhoven, The Netherlands - Product: Solid Wood Grill BaseLine - Architect: Arnold Schoordijk and Marlies Vervoordeldonk

KEY FEATURES

- Interior applications
- 3 Standardized Panel solutions
- The slat thickness can be 18 or 20 mm depending on wood specie
- The slat height can be between 40 mm and 92 mm, depending on wood specie
- The distance between the slats can be 45 mm up to 96 mm
- Available assembled grill elements lengths are 590 mm, 1190 or 1790 mm
- The Grill element is available with a 12 mm black aluminium dowel
- Easily and individually demountable
- Budgetary flexibility with 4 wood species
- Optionally supplied with acoustic non-woven tissue cut to size of the panel
- High-quality finishing against moisture, dust and dirt
- Transparent or wide range of colours available
- Compatible with industry standard lighting, HVAC, speaker, fire safety and security services
- Spruce PEFC Certified
- See Solid Wood Grill ProLine for more wood species and other options

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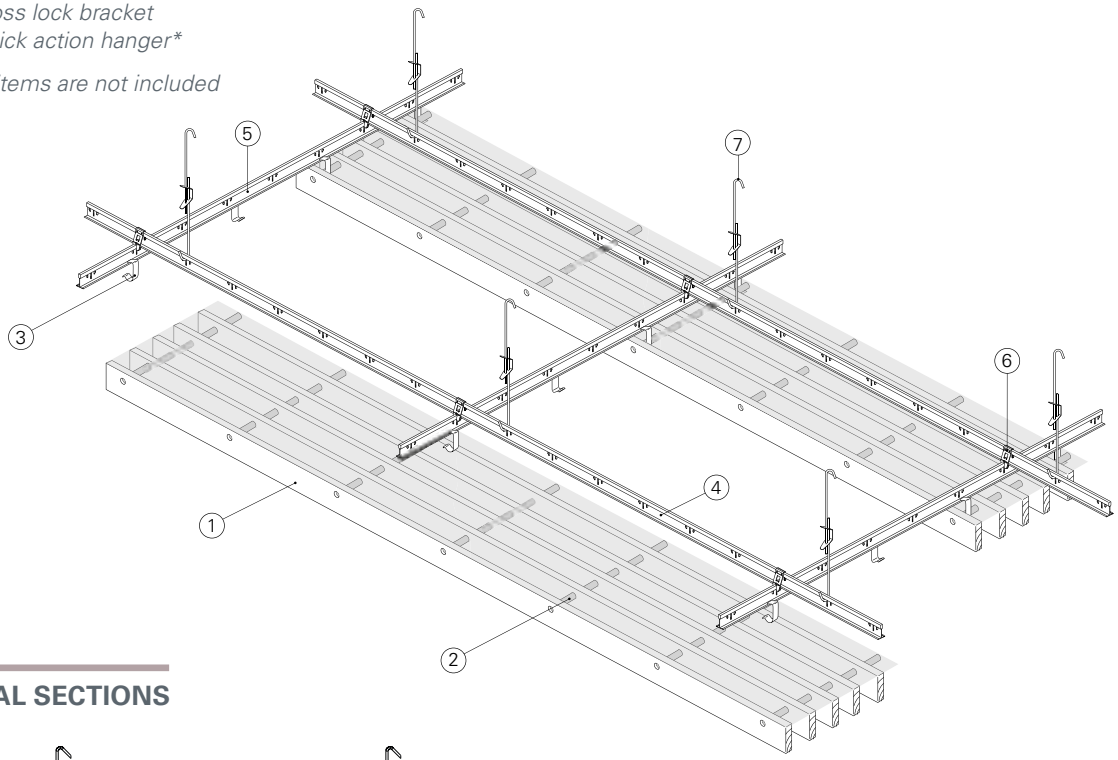
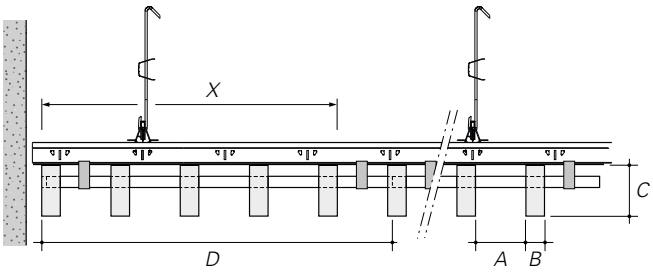
TYPICAL ISOMETRICS

1 = Solid Wood Grill Element
2 = Aluminum dowel
3 = Dowel clip
4 = Primary profile
5 = Secondary profile
6 = Cross lock bracket
*7 = Quick action hanger**

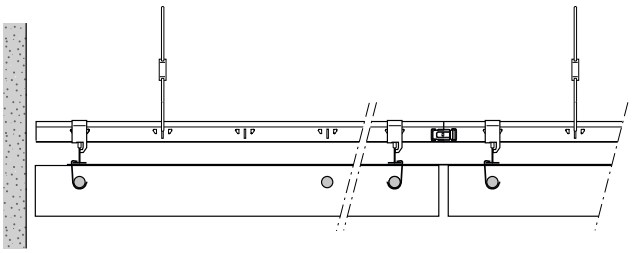
**These items are not included*



TYPICAL SECTIONS



A = Joint
B = Slat thickness
C = Slat height
D = Element width
X = Amount of slats



PHYSICAL DATA

B-s2,d0 According to EN 13501-1
B-s1,d0 available on request

α_W 0.35 - 0.55
See page 351

6.0 - 15.0 kg/m²

Moist cloth

OPTIONAL

Belgium only

Colours:
See page 68

Exterior solutions:
See page 242

Wall solutions:
See page 296

GRILL PROLINE
SOLID WOOD

Project: University of Leeds, United Kingdom - Product: Solid Wood Grill ProLine, African Ayous - Architect: ADP Architects

KEY FEATURES

- Interior applications
- Made to measure wooden ceiling solution. Design the sizes of the slats and the distance between the slats. Together this will form the Grill element
- The slat thickness can be between 15 mm and 35 mm, depending on wood specie
- The slat height can be between 35 mm and 140 mm, depending on wood specie
- The distance between the slats can be 25 mm up to 140 mm
- The length of the assembled Grill elements will be determined by the structural conditions. This can vary between 590 mm and 3590 mm, depending on the available raw material
- The Grill element is available with 12 mm or 20 mm metal dowel. The standard colour is black, other colours are on request
- Easily and individually demountable
- Budgetary flexibility with over 15 wood species within various price categories
- Optionally supplied with acoustic non-woven tissue cut to size of the panel
- High-quality finishing against moisture, dust and dirt. Transparent or wide range of colours available
- Curved, undulating and special shapes possible. Also radial panels and CNC milled panels on request available
- Compatible with industry standard lighting, HVAC, speaker, fire safety and security services
- Certified: FSC, PEFC, Cradle to Cradle silver
- Integral guarantee for support systems, wood, finish and fire retardance
- Contribution to obtaining credits within BREEAM and LEED

Produced and certified by Derako International

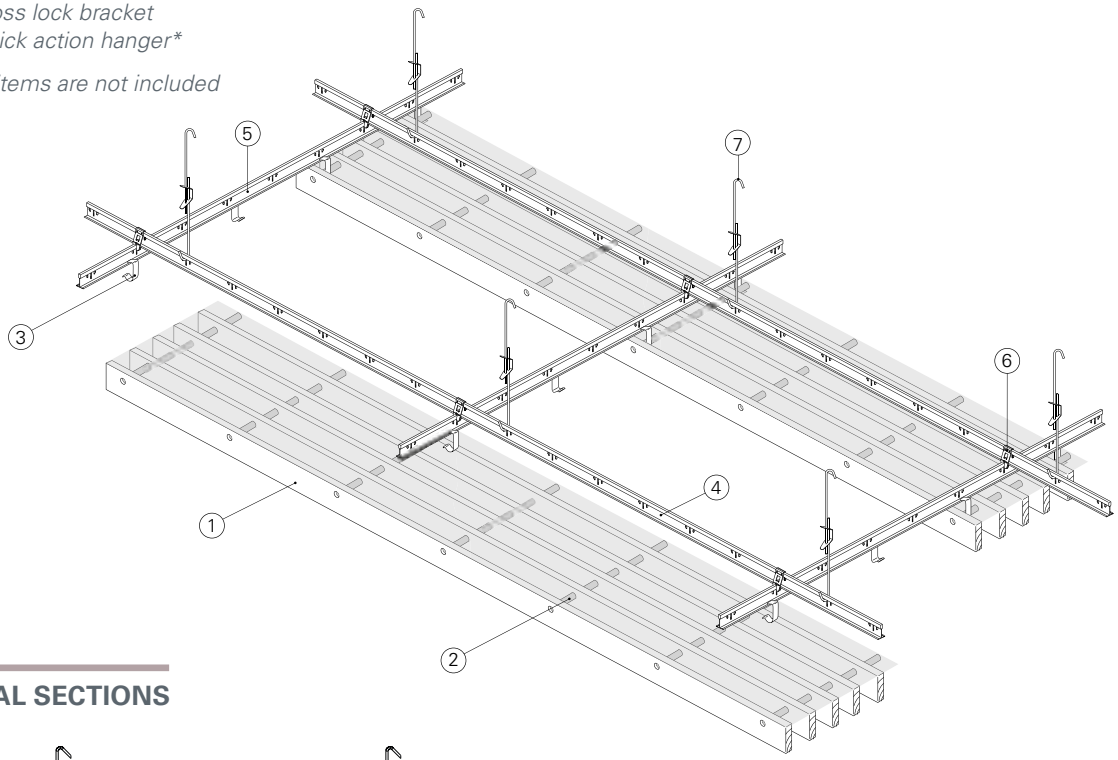
EN 13964
E1

A+

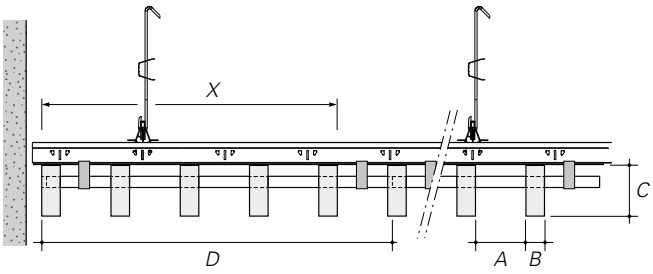
TYPICAL ISOMETRICS

1 = Solid Wood Grill Element
2 = Aluminum dowel
3 = Dowel clip
4 = Primary profile
5 = Secondary profile
6 = Cross lock bracket
*7 = Quick action hanger**

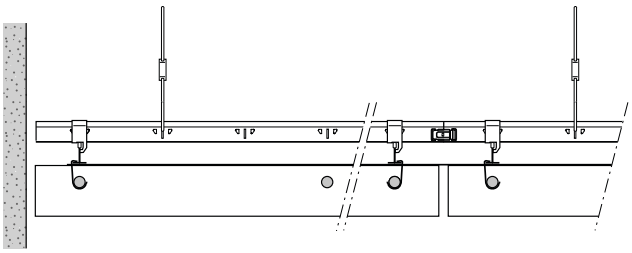
**These items are not included*



TYPICAL SECTIONS



A = Joint
B = Slat thickness
C = Slat height
D = Element width
X = Amount of slats



PHYSICAL DATA

B-s2,d0 According to EN 13501-1
B-s1,d0 available on request

α_W 0.35 - 0.55
See page 351

6.0 - 15.0 kg/m²

Moist cloth

OPTIONAL

Belgium only

Colours:
See page 68

Exterior solutions:
See page 242

Wall solutions:
See page 296

WOOD SPECIES AND FINISHES

An extensive range of wood species is available, ranging from deep warm colours to light wood tones. Other types of wood possibilities can be looked at on request. Standard, the wood is finished with in a transparent varnish. Optionally a wide range of colour is available. The finish adds a nice touch to the wood with the natural tones and structures of the wood being maintained. For each application the right system coating has to be determined which is needed to protect the wood.

WOOD SPECIES

Accoya

American White Oak

African Ayous

Siberian Larch

Yellow Poplar

Yellow Pine

American Ash

European Pine

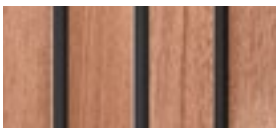
American Red Oak

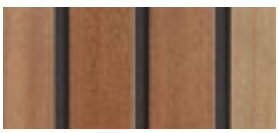
European Oak

Cherry

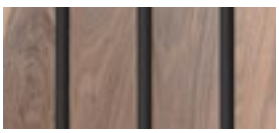
Oregon Pine

Cambara


Merbau

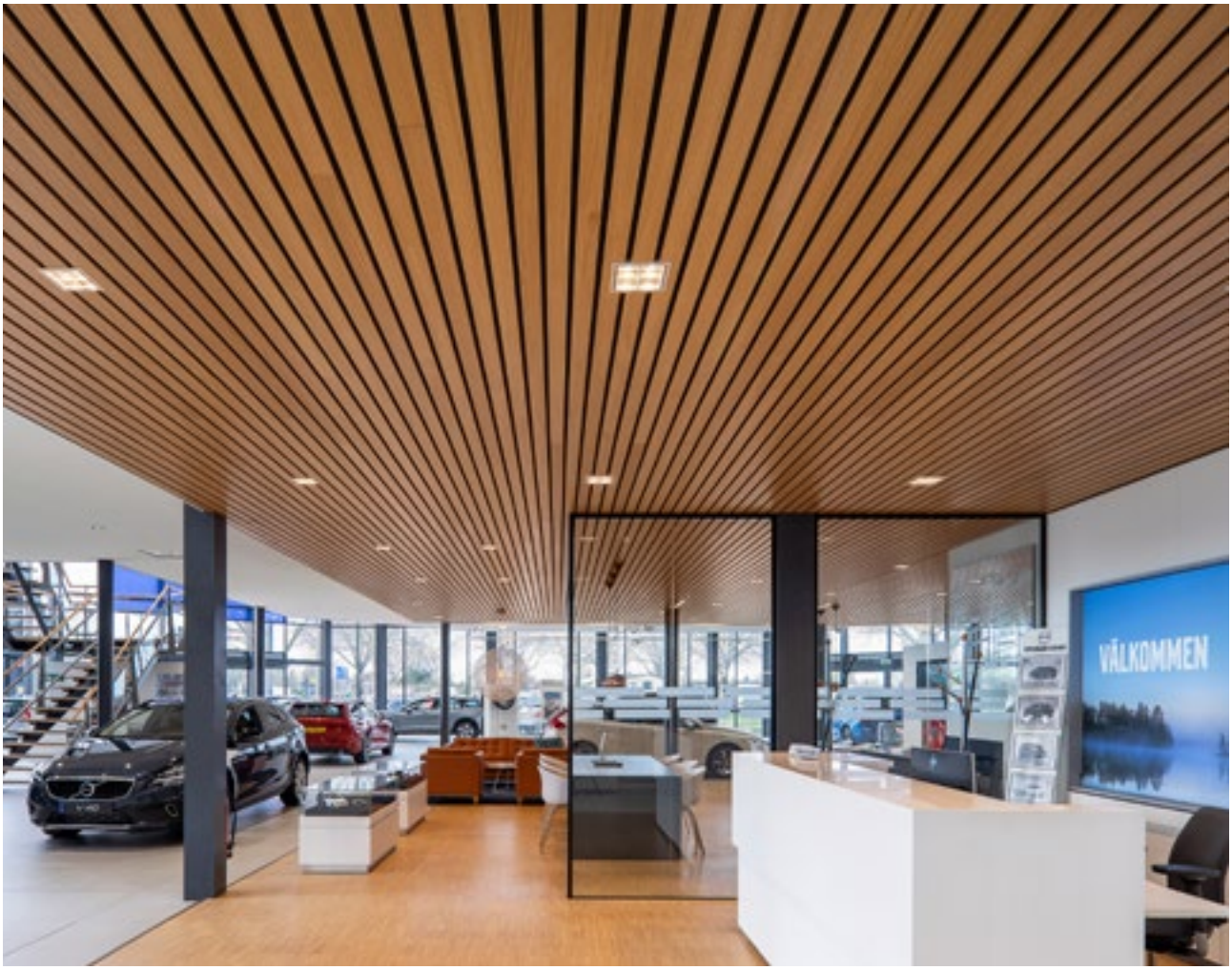

Mahogany

Western Red Cedar


American Walnut

Project: C.C. Plaza Genipa, Martinique, France - Product: Solid Wood Grill, African Ayous - Architect: Architectes CVZ

LINEAR
VENEERED WOOD



Project: Volvo Hooftman, Woerden, The Netherlands - Product: Veneered Wood Linear - Architect: Volvo Europe

KEY FEATURES

- Interior applications
- MDF core finished with wood veneer
- MultiPanel layouts possible, combining different widths
- Fire retardant and moisture resistant solutions
- Acoustic fleece to fill gaps
- Staining possibilities
- Available as a ceiling and wall solution
- Variety of organic or engineered wood veneers, FSC or PEFC certified
- Quick and invisible mounting according to a fixed pattern due to the specially developed fixing method
- Minimal joints between the panel connections
- Panel length: standard 2400 mm
- Panel width: 65 -140 mm
- Available in different modules and joint widths
- Panel thickness: 16 mm
- Other sizes and dimensions are available upon request
- Also available as fixed cassette system

FSC

PEFC
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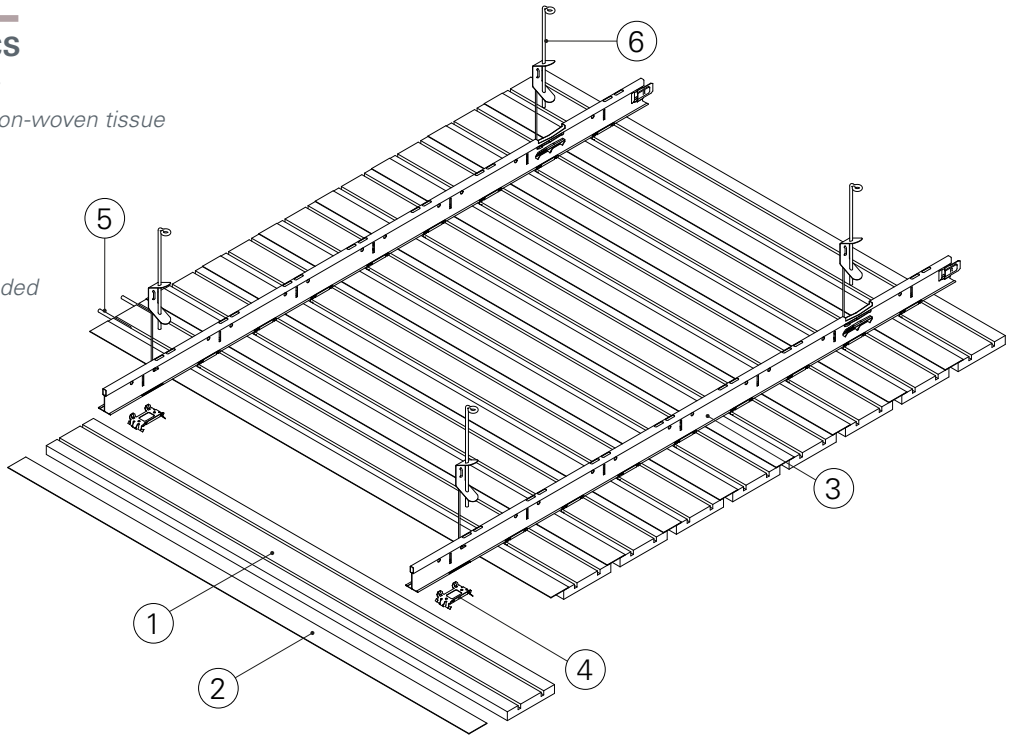
E1

A+ A B C
A+

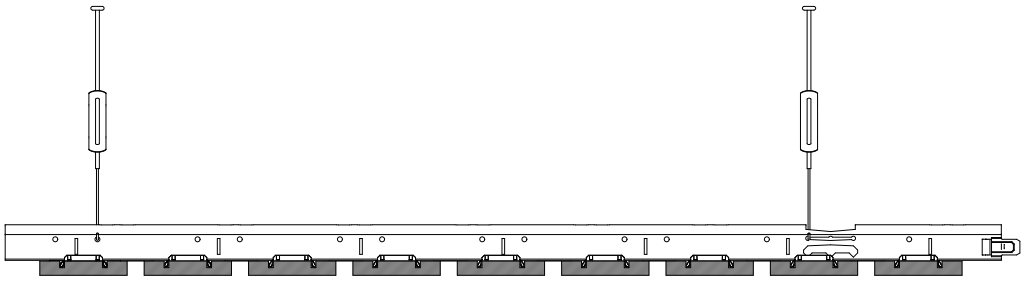
TYPICAL ISOMETRICS

1 = Veneered Wood panel
2 = Pre-applied acoustic non-woven tissue
3 = Carrier
4 = Clip (pre-fixed)
5 = Panel fixation pin
*6= Quick action hanger**

**These items are not included*



TYPICAL SECTIONS



PHYSICAL DATA

B-s2,d0 according to EN 13501-1

α_W 0.15 - 035
See page 351

Acoustic cloth:
Black

10.0 - 15.0 kg/m²

Moist cloth

OPTIONAL

Colours:
See page 72

Wall solutions:
See page 300

WOOD SPECIES

Hunter Douglas Architectural offers a wide choice of wood species and finishes. As wood is a 100 per cent natural product, the images below can differ from actual samples or products. Please request a sample at your nearest sales office.

ORGANIC VENEERS

Organic Veneer is a natural material sliced from tree logs without alterations or enhancements. This type of veneer shows all the characteristics and intrinsic patterns of the tree, caused by the natural influences during his lifetime, making each veneer unique.

Birch

Spruce

Unsteamed Beech

Steamed Beech

Sycamore

Cherry

Ash

Basswood

Hemlock

Maple

Gaboon

Zebrano

Bamboo Natural

Pine

Oak

Pear

Walnut

Chestnut

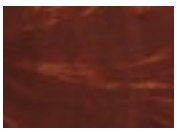
Yellow Poplar

Ayous

Red Oak

Bamboo Caramel

Teak


Sapeli Mahogany

Besides the wide range of Organic Veneers, Hunter Douglas Architectural also offers a selection of other finishes.

ENGINEERED VENEERS

Engineered Veneer is a type of veneer that is known for its consistent appearance. Although Engineered Veneer is made from 100% wood, due to the special production process, a uniform look can be obtained.

HIGH PRESSURE LAMINATE

Hunter Douglas works with some of the worlds leading HPL manufacturers. In most cases, we are able to apply HPL instead of veneer, to match other finishes in your project.

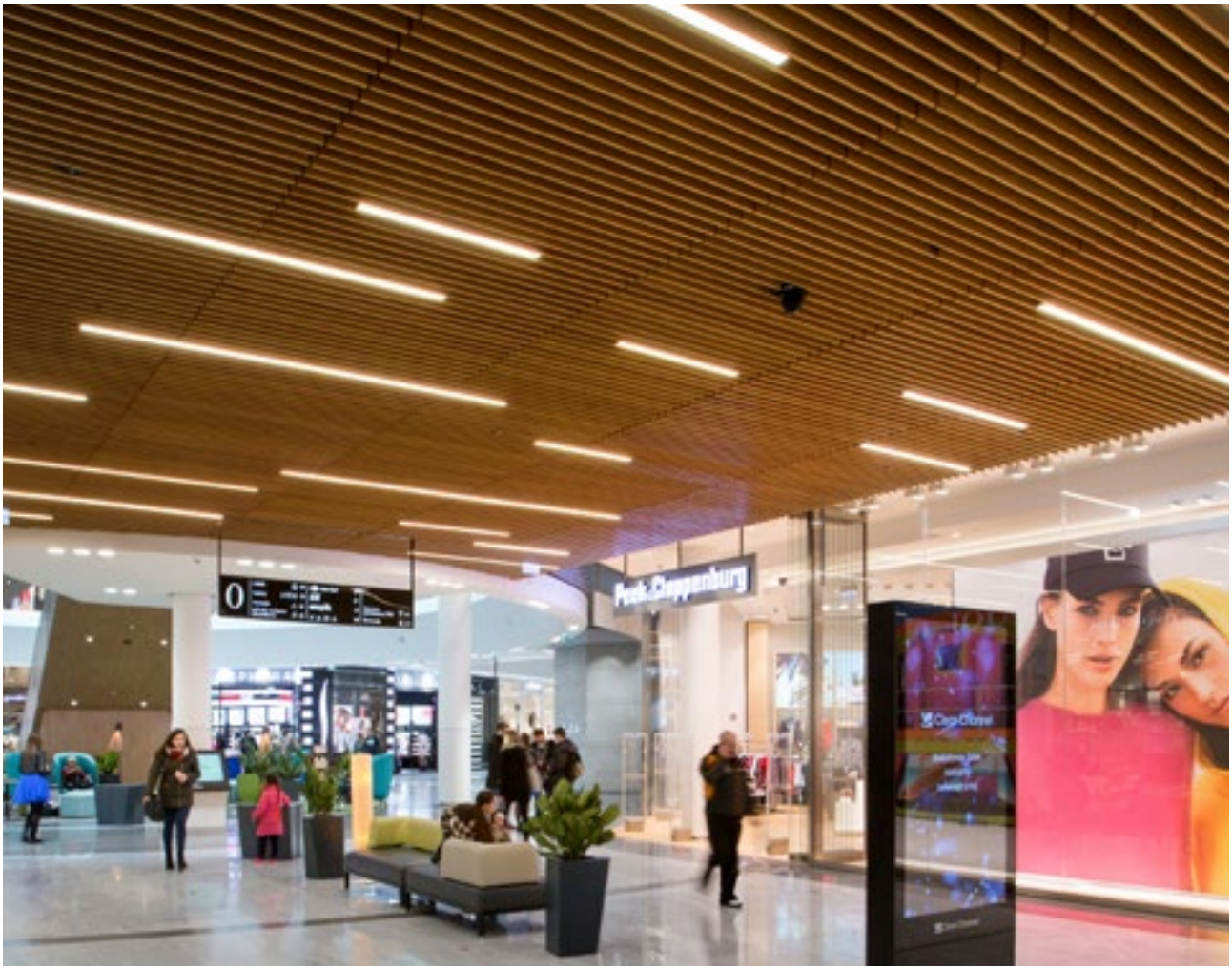
RAL FINISHES

We offer the possibility to have the products finished in any RAL colour.

For more information, please contact your local sales office.

Project: Stapaskóli School, Njarðvík, Iceland - Product: Veneered Wood Linear Ceiling & Walls, Birch - Architect: Arkís arckitektar

GRILL
VENEERED WOOD



Project: Wrocławia shopping mall, Wrocław, Poland - Product: Veneered Wood Grill Element - Dowel - Architect: IMD Asymetria

KEY FEATURES

- Interior applications
- Pre-assembled Grill elements connected with metal dowel
- MDF core finished with wood veneer
- Fire retardant and moisture resistant solutions
- Add acoustical wool for increase sound absorption
- Staining possibilities
- Available as a ceiling and wall solution
- Variety of organic or engineered wood veneers
- FSC or PEFC certified
- Easy installation and demounting in standard T24 grid
- Element length: standard 2400 mm
- Element width: varies between 300 to 500 mm
- Slat width: 16 mm
- Slat height: standard 45 - 65 - 88 - 95 - 115 mm
- Slat gaps: varies
- Other sizes and dimensions are available upon request
- Note: Grill dimensions may be restricted due to weight or may require a reinforced substructure

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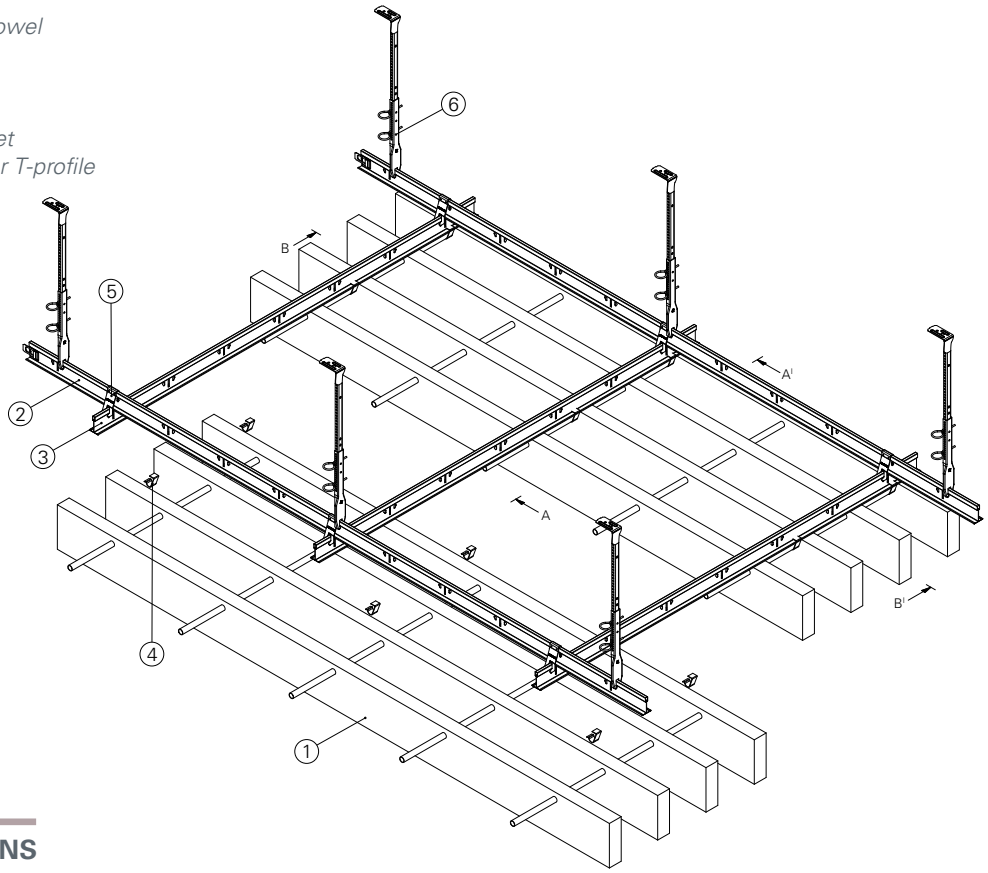
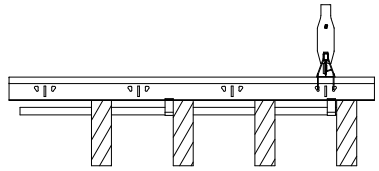
TYPICAL ISOMETRICS

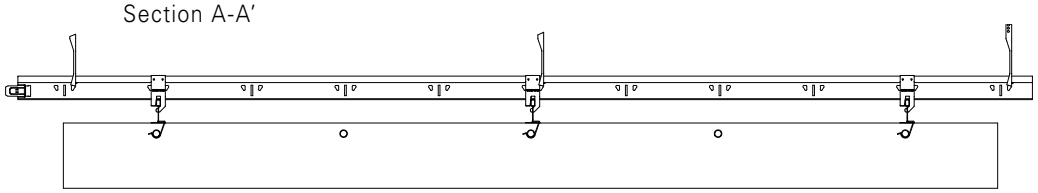
1 = Grill Element - Dowel
2 = Main runner
3 = Cross runner
4 = Dowel clip
5 = Cross-lock bracket
6 = Nonius hanger for T-profile



TYPICAL SECTIONS



Section A-A'



Section B-B'

PHYSICAL DATA

B-s2,d0 According to EN 13501-1

α_W 0.35 - 0.55
See page 351

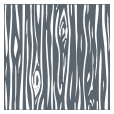
Acoustic cloth:
Black

10.0 - 15.0 kg/m²

Moist cloth

OPTIONAL

Colours:
See page 78



Wall solutions:
See page 302

PAREAULUX GRILL CLIMATE CEILING

VENEERED WOOD

Project: Town hall, Didam, The Netherlands - Product: PareauLux Grill Climate Ceiling - Architect: De Twee Snoeken

KEY FEATURES

- 80% more capacity over a standard climate ceiling
- Unparalleled design freedom and choice in veneers
- Various wood slat dimensions and spacings possible
- Sustainable solution
- Acoustical comfort
- Low exploitation cost
- Positive influence on sustainability certification
- Always a comfortable and even temperature

FSC

PEFC

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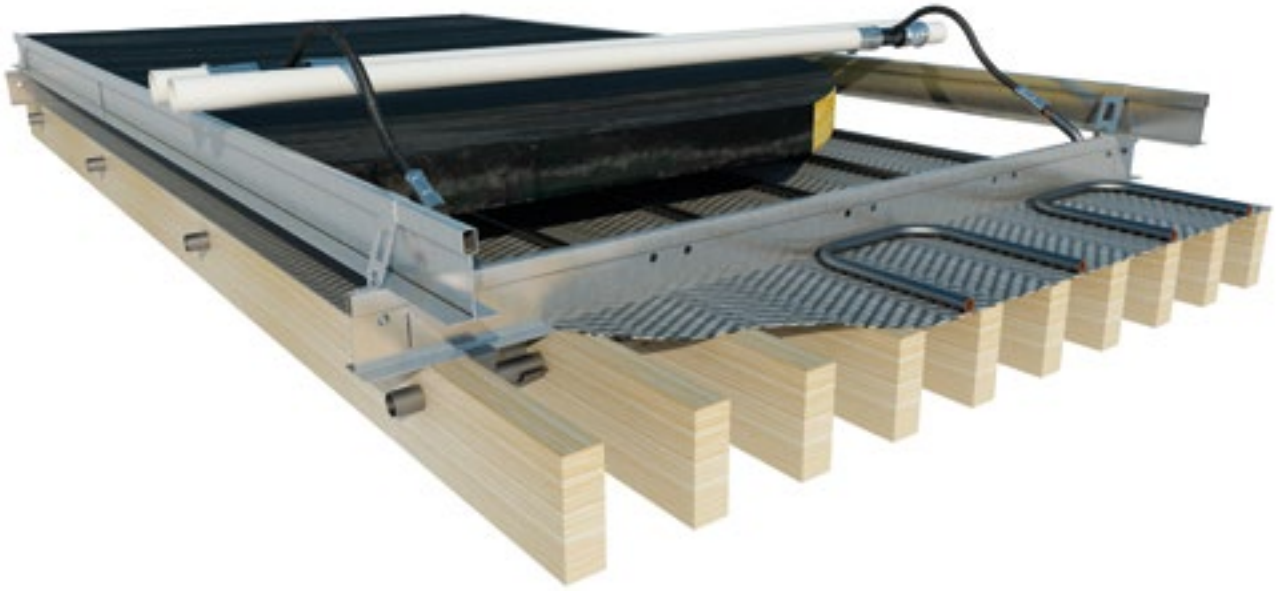
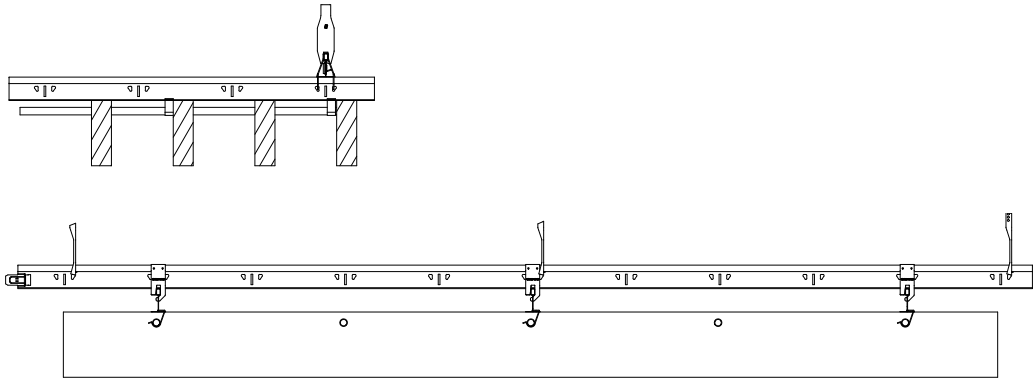
TYPICAL ISOMETRICS

Typical layout has a grid size of 1200x1200 mm
Within this dimension 2 climate panels of modular 600x1200 mm are installed



TYPICAL SECTIONS



PHYSICAL DATA

B-s2,d0 According to EN 13501-1

α_W 0.35-0.55
See page 351

Acoustic cloth:
Black

10.0 - 15.0 kg/m²

Moist cloth

OPTIONAL

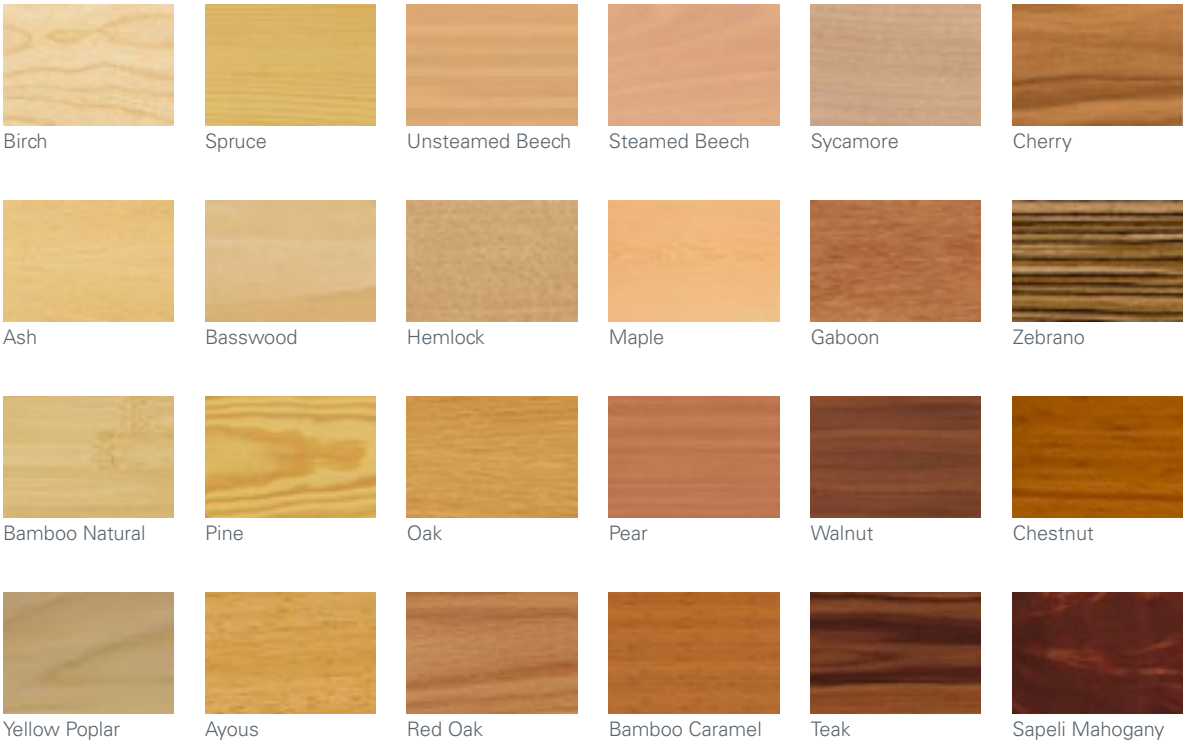
Colours:
See page 78

WOOD SPECIES

Hunter Douglas Architectural offers a wide choice of wood species and finishes. As wood is a 100 per cent natural product, the images below can differ from actual samples or products. Please request a sample at your nearest sales office.

ORGANIC VENEERS

Organic Veneer is a natural material sliced from tree logs without alterations or enhancements. This type of veneer shows all the characteristics and intrinsic patterns of the tree, caused by the natural influences during his lifetime, making each veneer unique.



Besides the wide range of Organic Veneers, Hunter Douglas Architectural also offers a selection of other finishes.

ENGINEERED VENEERS

Engineered Veneer is a type of veneer that is known for its consistent appearance. Although Engineered Veneer is made from 100% wood, due to the special production process, a uniform look can be obtained.

HIGH PRESSURE LAMINATE

Hunter Douglas works with some of the worlds leading HPL manufacturers. In most cases, we are able to apply HPL instead of veneer, to match other finishes in your project.

RAL FINISHES

We offer the possibility to have the products finished in any RAL colour.

For more information, please contact your local sales office.

Project: Rompetrol Gas station, Bucharest, Romania - Product: Veneered Wood Grill, Ash - Architect: Corvin Cristian

TILES CLASSIC
VENEERED WOOD

Project: Orbis Medical Centre, Sittard, The Netherlands - Product: Veneered Wood Ceiling (Tiles Classic) - Architect: Bonnema Architecten

KEY FEATURES

- Interior applications
- MDF core finished with wood veneer
- Fire retardant and moisture resistant solutions
- Staining possibilities
- Variety of organic or engineered wood veneers, FSC or PEFC certified
- Easy installation and demounting in standard T 24 grid
- Exposed edge detail (24 mm)
- Dimensions: 600 x 600 / 1200 x 600 / 1800 x 600 mm
- Other sizes and dimensions are available upon request
- Perforations: Single / Double / Nano perforation patterns
- Lay in acoustic ceiling tile
- Various perforations with different acoustic performances and designs

FSC

PEFC
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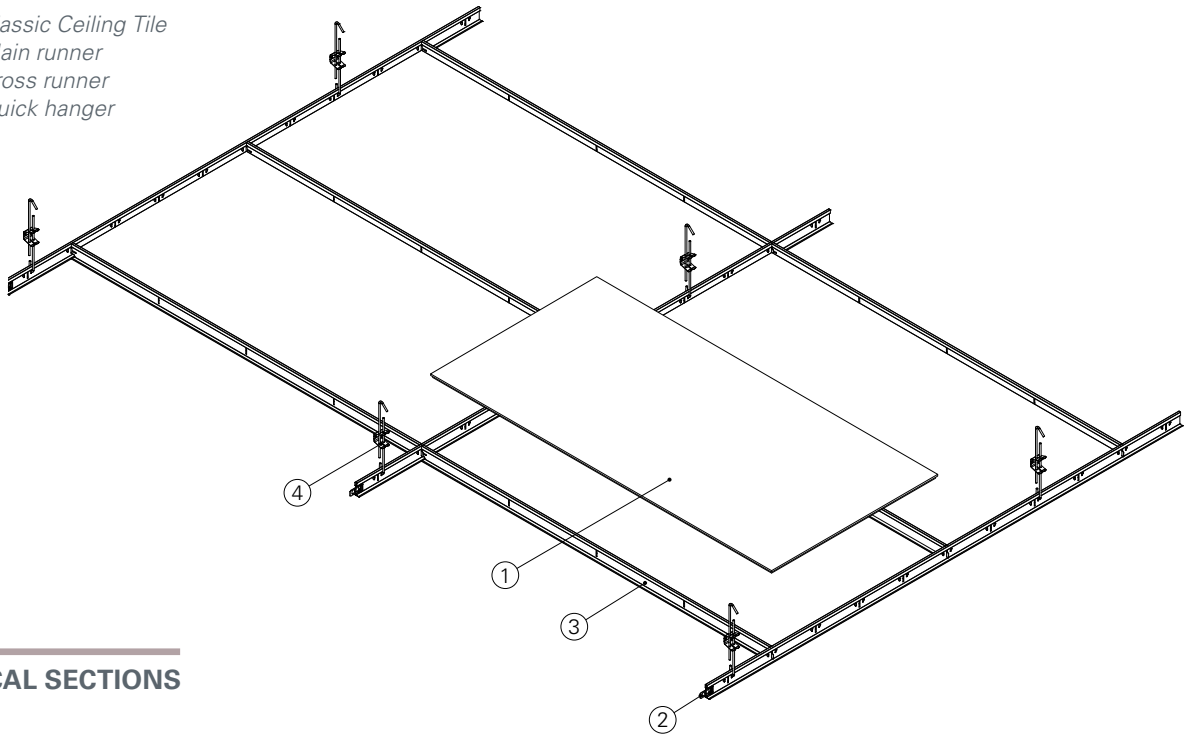
EN 13964
E1

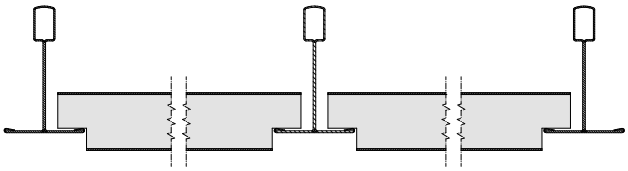
A+ A B C
A+

TYPICAL ISOMETRICS

1 = Classic Ceiling Tile
2 = Main runner
3 = Cross runner
4 = Quick hanger



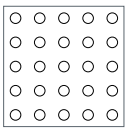
TYPICAL SECTIONS



PERFORATION PATTERNS

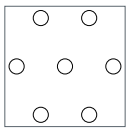
Standard patterns shown. See page 347 to see all perforation patterns.
Scale 1:1 shown, unless otherwise noted. See page 350-351 for acoustic information.

(Scale 1:5)



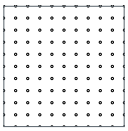
R7015
Ø 7 mm
⇳ 16 ⇿ 16
Single Round
Regular
Openness 15%

(Scale 1:5)



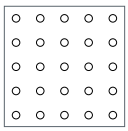
D10008
Ø 10 mm
⇳ 32 ⇿ 32
Single Round
Irregular
Openness 8%

(Scale 1:5)

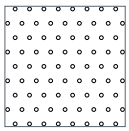


R1503A
Ø 1.5 mm
⇳ 8 ⇿ 8
Double Round
Regular
Openness 3%

(Scale 1:5)

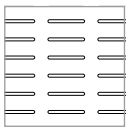


R5008B
Ø 5 mm
⇳ 16 ⇿ 16
Double Round
Regular
Openness 8%



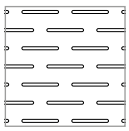
D0505A
Ø 0.5 mm
⇳ 1.9 ⇿ 1.9
Nano Perfo
Irregular
Openness 23.9%

(Scale 1:20)



R9711S
WxH 97/8 mm
⇳ 48 ⇿ 132
Slotted perfo
Regular
Openness 11%

(Scale 1:20)



D9711S
WxH 97/8 mm
⇳ 48 ⇿ 132
Slotted perfo
Irregular
Openness 11%

PHYSICAL DATA

Plain : B-s1,d0
Perf : B-s2,d0

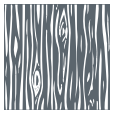
Up to α_W 0.95

10.0 - 15.0 kg/m²

Moist cloth

OPTIONAL

Colours:
See page 86



Wall solutions:
See page 304

TILES MODERN
VENEERED WOOD

Project: Smart Campus, Heerlen, The Netherlands - Product: Veneered Wood Ceiling - Architect: Van Eijk & van der Lubbe

KEY FEATURES

- Interior applications
- Lay in acoustic ceiling tile
- MDF core finished with wood veneer
- Various perforations with different acoustic performances and designs
- Fire retardant and moisture resistant solutions
- Staining possibilities
- Variety of organic or engineered wood veneers, FSC or PEFC certified
- Easy installation and demounting in standard T 24 grid
- Semi exposed edge detail (8 mm)
- Suitable for ceilings with limited plenum
- Dimensions: 600 x 600 / 1200 x 600 / 1800 x 600 mm
- Other sizes and dimensions are available upon request
- Perforations: Single / Double / Nano perforation

FSC

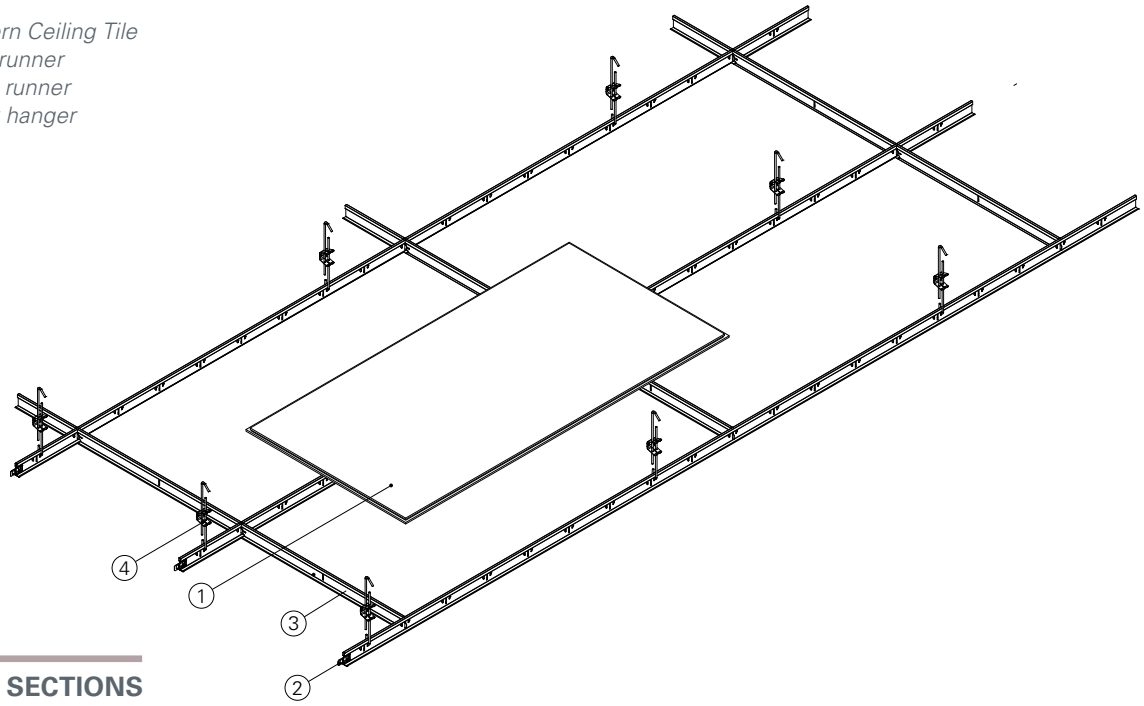
PEFC
Promoting sustainable forest management www.pefc.org

EN 13964
E1

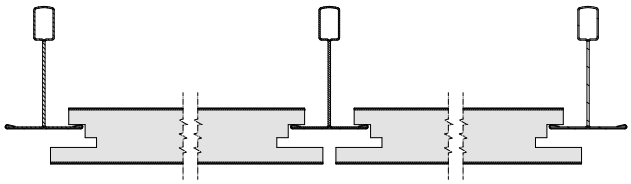
A+ A B C
A+

TYPICAL ISOMETRICS

1 = Modern Ceiling Tile
2 = Main runner
3 = Cross runner
4 = Quick hanger



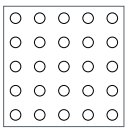
TYPICAL SECTIONS



PERFORATION PATTERNS

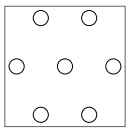
Standard patterns shown. See page 347 to see all perforation patterns.
Scale 1:1 shown, unless otherwise noted. See page 350-351 for acoustic information.

(Scale 1:5)



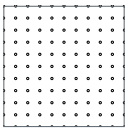
R7015
Ø 7 mm
⇳ 16 ⇿ 16
Single Round
Regular
Openness 15%

(Scale 1:5)



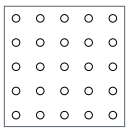
D10008
Ø 10 mm
⇳ 32 ⇿ 32
Single Round
Irregular
Openness 8%

(Scale 1:5)

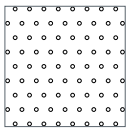


R1503A
Ø 1.5 mm
⇳ 8 ⇿ 8
Double Round
Regular
Openness 3%

(Scale 1:5)

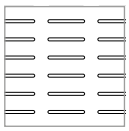


R5008B
Ø 5 mm
⇳ 16 ⇿ 16
Double Round
Regular
Openness 8%



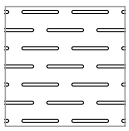
D0505A
Ø 0.5 mm
⇳ 1.9 ⇿ 1.9
Nano Perfo
Irregular
Openness 23.9%

(Scale 1:20)



R9711S
WxH 97/8 mm
⇳ 48 ⇿ 132
Slotted perfo
Regular
Openness 11%

(Scale 1:20)



D9711S
WxH 97/8 mm
⇳ 48 ⇿ 132
Slotted perfo
Irregular
Openness 11%

PHYSICAL DATA

Plain : B-s1,d0
Perf : B-s2,d0

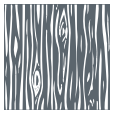
Up to α_W 0.95

10.0 - 15.0 kg/m²

Moist cloth

OPTIONAL

Colours:
See page 86



Wall solutions:
See page 304

TILES PRESTIGE

VENEERED WOOD

Project: Amity University, Dubai, United Arab Emirates - Product: Veneered Wood Ceiling (Tiles Prestige) - Architect: IR Design

KEY FEATURES

- Interior applications
- Lay in acoustic ceiling tile
- MDF core finished with wood veneer
- Various perforations with different acoustic performances and designs
- Fire retardant and moisture resistant solutions
- Staining possibilities
- Variety of organic or engineered wood veneers, FSC or PEFC certified
- Easy installation and demounting in T24 grid
- Concealed edge detail
- Suitable for ceilings with limited plenum
- Dimensions: 600 x 600 / 1200 x 600 / 1800 x 600 mm
- Other sizes and dimensions are available upon request
- Perforations: Single / Double / Nano perforation

FSC

PEFC

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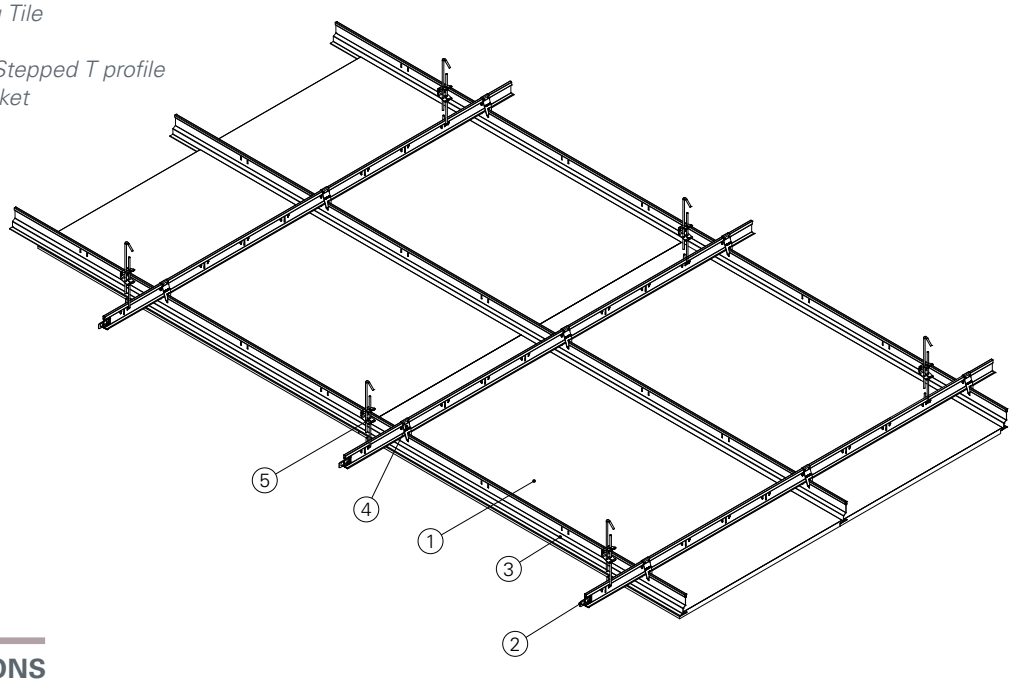
EN 13964

E1

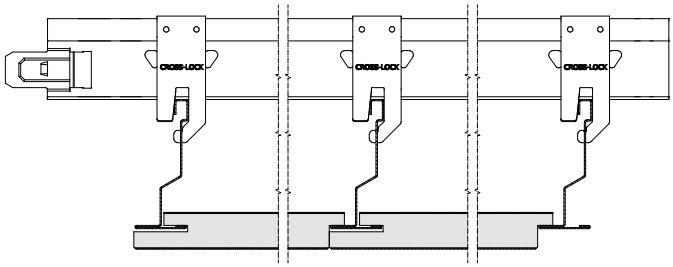
A+

TYPICAL ISOMETRICS

1 = Prestige Ceiling Tile
2 = Main runner
3 = Cross runner / Stepped T profile
4 = Cross lock bracket
5 = Quick hanger

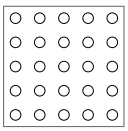
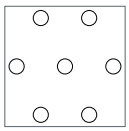
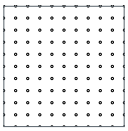
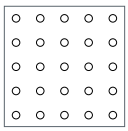
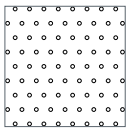
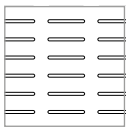
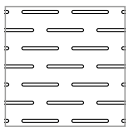


TYPICAL SECTIONS



PERFORATION PATTERNS

Standard patterns shown. See page 347 to see all perforation patterns.
Scale 1:1 shown, unless otherwise noted. See page 350-351 for acoustic information.

(Scale 1:5)	*(Scale 1:5)*	*(Scale 1:5)*	*(Scale 1:5)*		*(Scale 1:20)*	*(Scale 1:20)*
						
R7015 Ø 7 mm ⇳ 16 ⇿ 16 Single Round Regular Openness 15%	D10008 Ø 10 mm ⇳ 32 ⇿ 32 Single Round Irregular Openness 8%	R1503A Ø 1.5 mm ⇳ 8 ⇿ 8 Double Round Regular Openness 3%	R5008B Ø 5 mm ⇳ 16 ⇿ 16 Double Round Regular Openness 8%	D0505A Ø 0.5 mm ⇳ 1.9 ⇿ 1.9 Nano Perfo Irregular Openness 23.9%	R9711S WxH 97/8 mm ⇳ 48 ⇿ 132 Slotted perfo Regular Openness 11%	D9711S WxH 97/8 mm ⇳ 48 ⇿ 132 Slotted perfo Irregular Openness 11%

PHYSICAL DATA

Plain : B-s1,d0
Perf : B-s2,d0

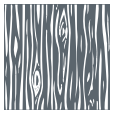
Up to α_W 0.95

10.0 - 15.0 kg/m²

Moist cloth

OPTIONAL

Colours:
See page 86



Wall solutions:
See page 304

WOOD SPECIES

Hunter Douglas Architectural offers a wide choice of wood species and finishes. As wood is a 100 per cent natural product, the images below can differ from actual samples or products. Please request a sample at your nearest sales office.

ORGANIC VENEERS

Organic Veneer is a natural material sliced from tree logs without alterations or enhancements. This type of veneer shows all the characteristics and intrinsic patterns of the tree, caused by the natural influences during his lifetime, making each veneer unique.

Birch

Spruce

Unsteamed Beech

Steamed Beech

Sycamore

Cherry

Ash

Basswood

Hemlock

Maple

Gaboon

Zebrano

Bamboo Natural

Pine

Oak

Pear

Walnut

Chestnut

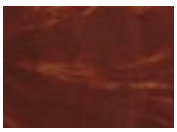
Yellow Poplar

Ayous

Red Oak

Bamboo Caramel

Teak


Sapeli Mahogany

Besides the wide range of Organic Veneers, Hunter Douglas Architectural also offers a selection of other finishes.

ENGINEERED VENEERS

Engineered Veneer is a type of veneer that is known for its consistent appearance. Although Engineered Veneer is made from 100% wood, due to the special production process, a uniform look can be obtained.

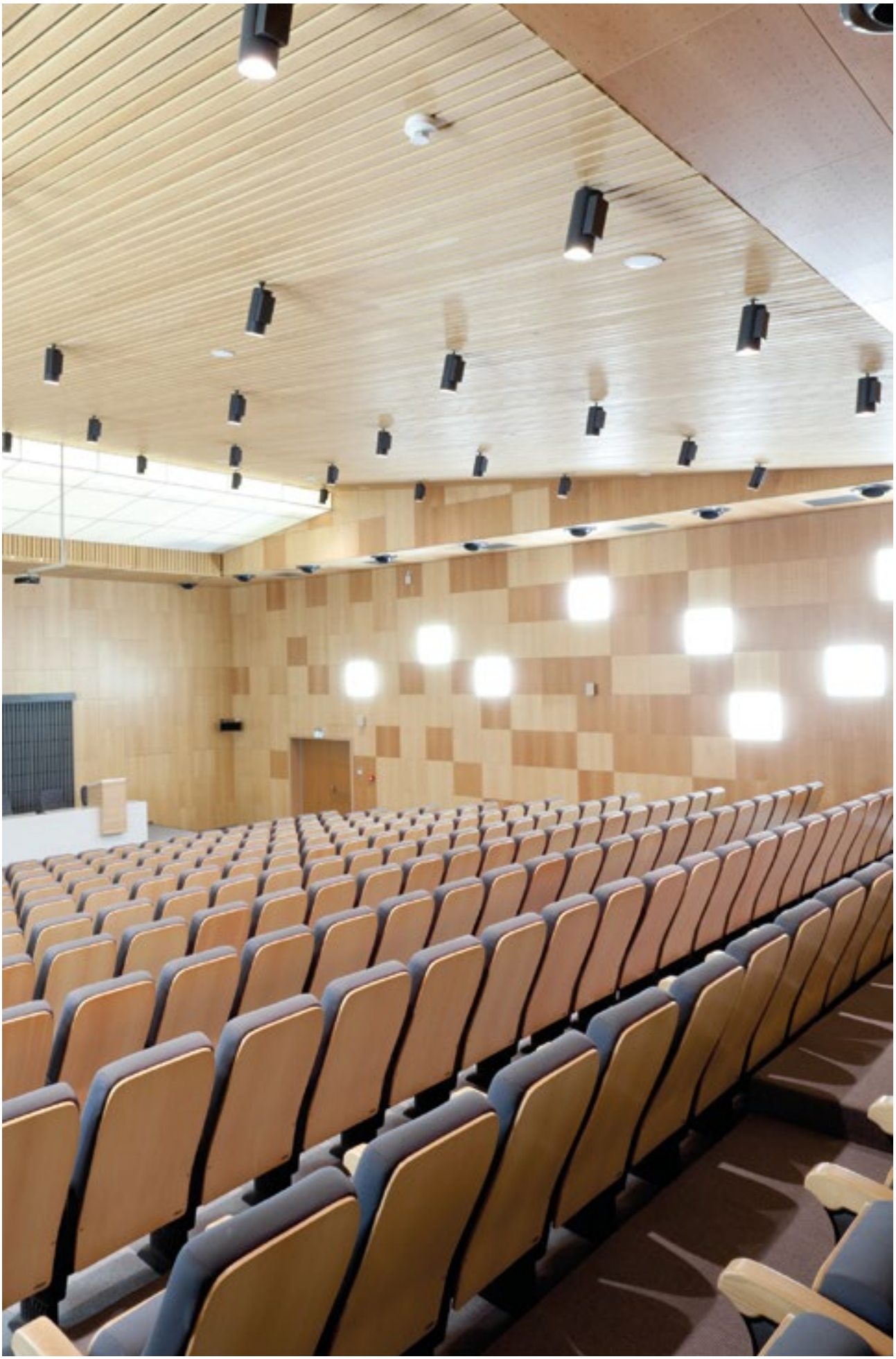
HIGH PRESSURE LAMINATE

Hunter Douglas works with some of the worlds leading HPL manufacturers. In most cases, we are able to apply HPL instead of veneer, to match other finishes in your project.

RAL FINISHES

We offer the possibility to have the products finished in any RAL colour.

For more information, please contact your local sales office.



Project: Cluj Arena, Cluj-Napoca, Romania - Product: Veneered Wood Linear Ceiling, Beech & Veneered Wood Wall Tiles Steamed and non Steamed Beech
Architect: Dico Tiganas Architects

TOPLINE
VENEERED WOOD

Project: Royal Highland and Agricultural Society of Scotland, Edinburgh, United Kingdom - Product: Veneered Wood TopLine - Architect: Holmes Miller

KEY FEATURES

- Interior applications
- High performance sound absorbing panels
- Pre-applied acoustic non-woven tissue on reverse side
- MDF core finished with wood veneer
- Various slotted perforations with different acoustic performances and designs
- Fire retardant and moisture resistant solutions
- Staining possibilities
- Variety of organic or engineered wood veneers, FSC or PEFC certified
- Easy installation and demounting in standard T24 grid
- Tongue and groove connection to create uniform appearance
- Various perforation designs and acoustical performance
- Panel length: standard 2400 mm
- Panel width: 128 mm
- Panel thickness: 17 mm
- Other sizes and dimensions are available upon request

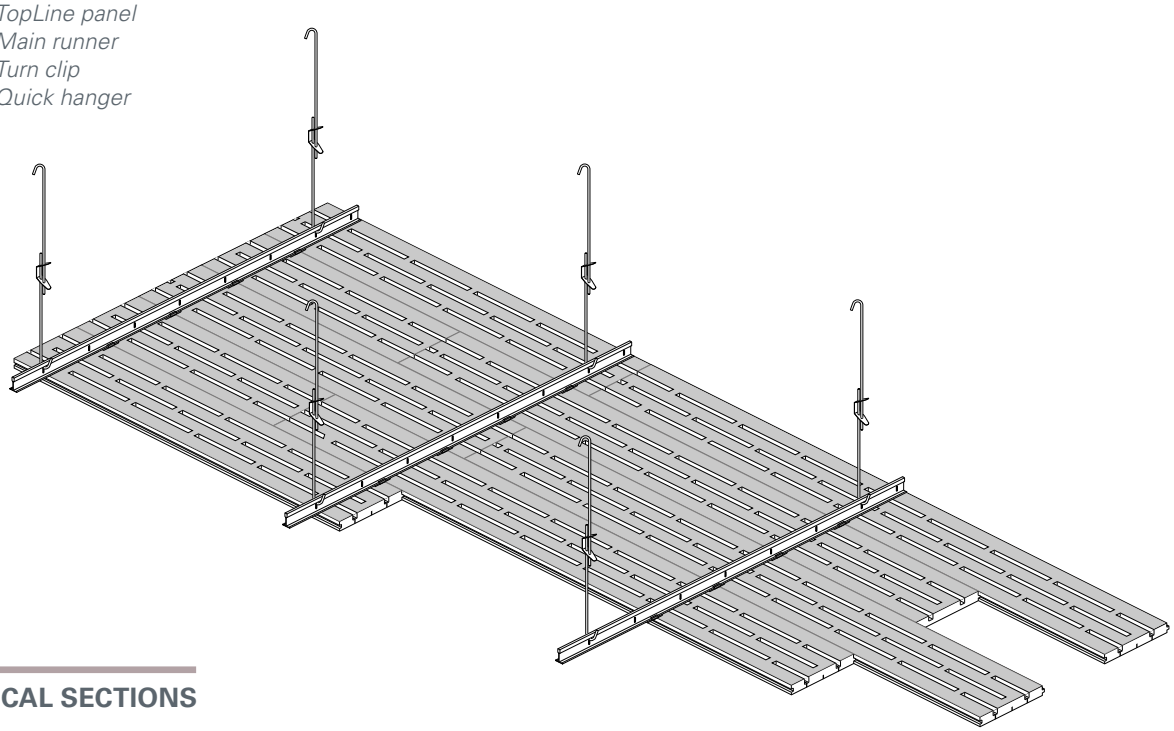
Promoting sustainable forest management www.pefc.org

EN 13964
E1

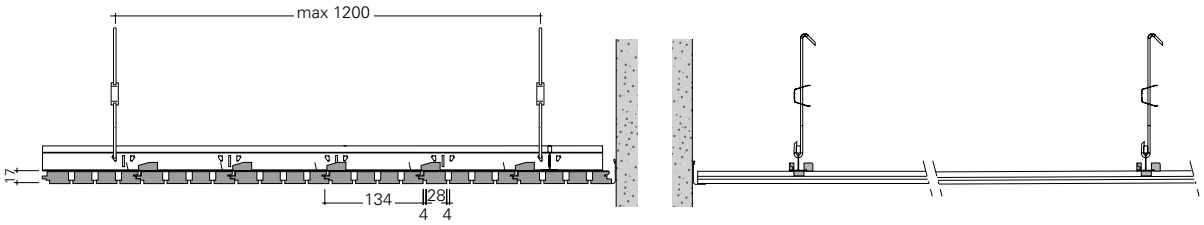
A+

TYPICAL ISOMETRICS

1 = TopLine panel
2 = Main runner
3 = Turn clip
4 = Quick hanger



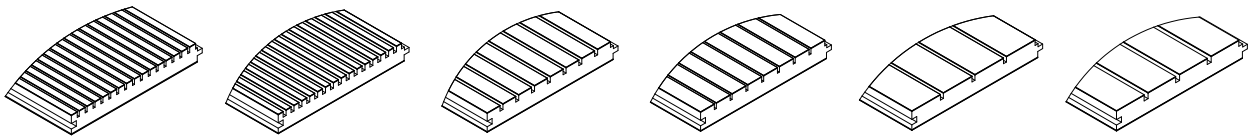
TYPICAL SECTIONS



PERFORATION PATTERNS

Standard grooves shown. See page 347 to see all groove patterns.
Scale 1:1 shown, unless otherwise noted. See page 351 for acoustic information.

VIEW SIDES *(Scale 1:5)*



Topline 6/2
Plain 6 mm
Groove 2 mm
Openness 25%

Topline 5/3
Plain 5 mm
Groove 3 mm
Openness 25%

Topline 13/3
Plain 13 mm
Groove 3 mm
Openness 19%

Topline 14/2
Plain 14 mm
Groove 2 mm
Openness 13%

Topline 29/3
Plain 29 mm
Groove 3 mm
Openness 9%

Topline 28/4
Plain 28 mm
Groove 4 mm
Openness 13%

PHYSICAL DATA

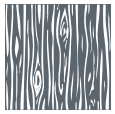
B-s2,d0 According to EN 13501-1

10.0 - 15.0 kg/m²

Moist cloth

OPTIONAL

Colours:
See page 90



Wall solutions:
See page 306

WOOD SPECIES

Hunter Douglas Architectural offers a wide choice of wood species and finishes. As wood is a 100 per cent natural product, the images below can differ from actual samples or products. Please request a sample at your nearest sales office.

ORGANIC VENEERS

Organic Veneer is a natural material sliced from tree logs without alterations or enhancements. This type of veneer shows all the characteristics and intrinsic patterns of the tree, caused by the natural influences during his lifetime, making each veneer unique.

Birch

Spruce

Unsteamed Beech

Steamed Beech

Sycamore

Cherry

Ash

Basswood

Hemlock

Maple

Gaboon

Zebrano

Bamboo Natural

Pine

Oak

Pear

Walnut

Chestnut

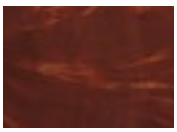
Yellow Poplar

Ayous

Red Oak

Bamboo Caramel

Teak


Sapeli Mahogany

Besides the wide range of Organic Veneers, Hunter Douglas Architectural also offers a selection of other finishes.

ENGINEERED VENEERS

Engineered Veneer is a type of veneer that is known for its consistent appearance. Although Engineered Veneer is made from 100% wood, due to the special production process, a uniform look can be obtained.

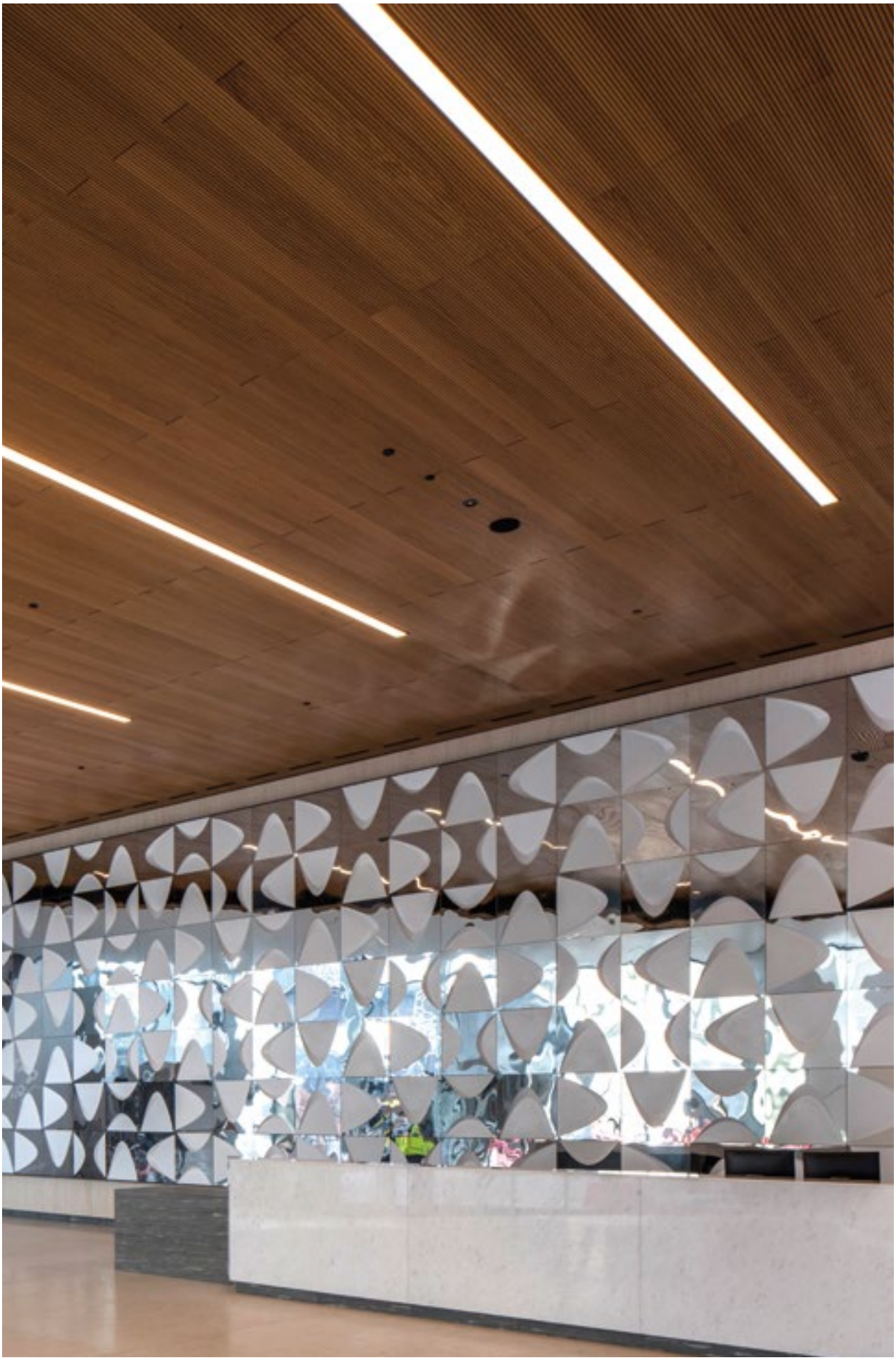
HIGH PRESSURE LAMINATE

Hunter Douglas works with some of the worlds leading HPL manufacturers. In most cases, we are able to apply HPL instead of veneer, to match other finishes in your project.

RAL FINISHES

We offer the possibility to have the products finished in any RAL colour.

For more information, please contact your local sales office.



Project: Southbank Centre, London, United Kingdom - Product: Veneered Wood TopLine - Architect: Kohn Pedersen Fox

LINEAR & BAFFLES

METAL WOODPRINT

Project: Berceni-Sudului Food and Agricultural Market, Romania - Product: Curved 84R Woodprint - Architect: Concrete Design Solutions

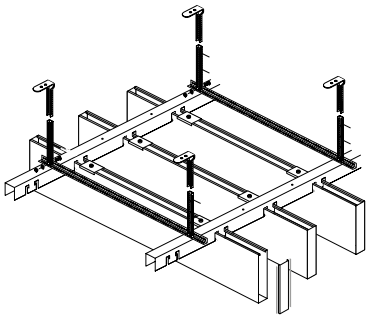
KEY FEATURES

- Interior applications
- Realistic wood designs available for our metal ceilings range
- Use the benefits of metal, with the looks of natural wood
- Direct print or laminated foil solutions
- Acoustic solutions available
- Also available for exterior applications
- Compatible with industry standard lighting, HVAC, speaker, fire safety, and security services

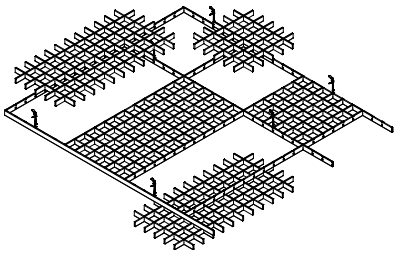
Project : Shopping Center Las Huertas, Palencia, Spain
Product : MultiPanel 30BD, Metal Woodprint
Architect: B+R Arquitectos Asociados

WOODPRINT APPLICATIONS

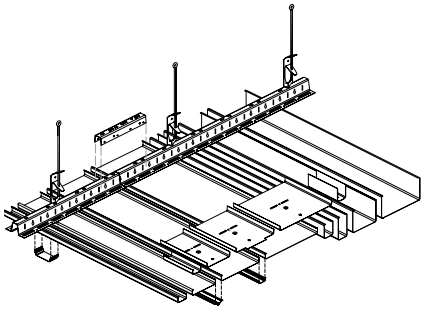
Woodprint finishes are available as standard for the following Hunter Douglas Metal Ceilings:



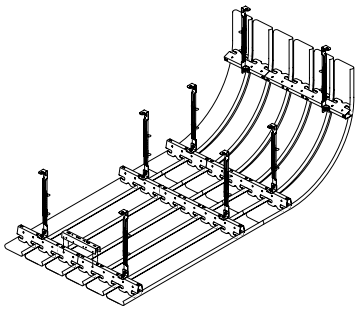
Baffles (see page 168 - 183)



Cell (see page 184 - 191)



Linear (see page 192 - 213)



Curved (see page 214 - 221)

COLOURS AND FINISHES

Hunter Douglas Architectural offers a wide choice of wood tones and finishes. As wood is a 100 per cent natural product, the images below can differ from actual samples or products. Please request a sample at your nearest sales office.

WOOD TONES (CELL AND LINEAR)

8602
Oak

8611
Palissander

8612
Cedar

8617
Elm

8621
Pine

WOOD TONES (BAFFLES)

The sample below is available from stock, more wood tones available on request.

8920
Oak

Project: Westfort, IJsselstein, The Netherlands - Product: Linear 30BD Woodprint - Architect: Maasdam Projecten

WOOD

Project: Headquarter SABIC, Jubail, Saudi Arabia - Product: Veneered Wood - Architect: Henning Larsen Architects

THE PROJECT

The extensive and complex SABIC project in Jubail, Saudi Arabia is comprehensive: from J-Louvers at the car park, among others, to various ceilings in the swimming pool, the main entrance and all public areas.

Surely the most impressive is the auditorium. Here Hunter Douglas installed 2,700m² microperforated acoustic American white oak veneer panels with integrated lighting on the walls and ceilings in an innovative and ingenious way. The confidence of the consultant and the client in Hunter Douglas Architectural's competence and the good relationship ensured a wonderful project and a successful collaboration.

K43-K58
GUCCI

PARIS AIRPORT

Project : Charles de Gaulle Airport, Paris, France
Product : Veneered Microperforated Wood Panels and white Solid Wood Grill
Architect: ADP Architects

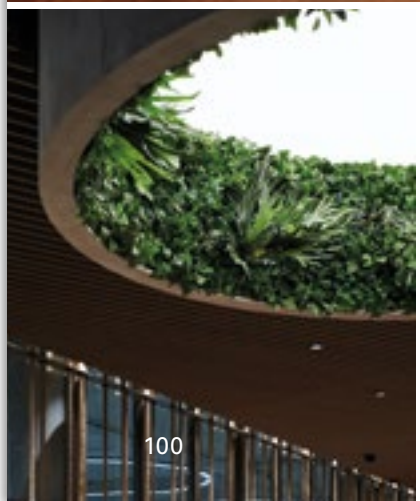
"IMPRESSIVE TRANSFORMATIONS FOR ENHANCED AIRPORT HOSPITALITY"

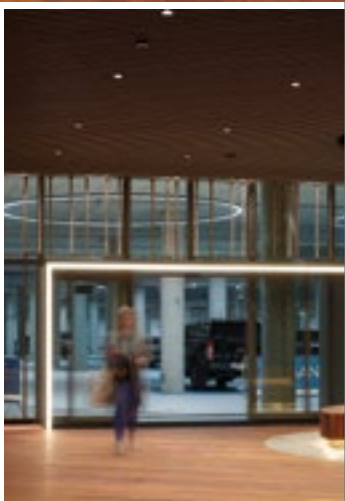
Charles De Gaulle Airport, one of the world's largest airports in terms of traffic, has seen several of its halls completely transformed. Hunter Douglas Architectural was able to participate in two of these projects, delivering architectural ceilings as well as wooden wall cladding. Each solution, through its design and technical aspect, met the extremely high requirements of the project brief.

After three years of renovation work, Hall L, Terminal 2E has been completely revamped: for the ceiling, the change is stunning: from dark steel to white wooden planks. the new ceiling consists of 8,000m² of solid wood grills, with matte white lacquer selected from several white samples proposed by the manufacturer. Even though the slats are 50% open, scrolling gives the illusion of a closed ceiling when viewed from a distance.

In terms of the wall, the wood is presented in all its glory. 1,000m² of white, delineated and nano-perforated walnut wood planks with clear varnish were installed as a replacement for mirrored walls. The solutions were selected for their excellent acoustic properties. Hunter Douglas' nano-perforated facings undoubtedly provide acoustic comfort: In Hall L, although the transition from carpet to hard flooring has been made, the acoustic comfort has significantly improved. The technology and ability of Hunter Douglas to address this issue has been extremely decisive in the choice of product.

The work has paid off: "The whole atmosphere has been renewed: between the interior design and the new materials, we've given it a new glow."





Project : Blauwe Parkeergarage, Hasselt, Belgium
Product : Solid Wood Grills
Architect: Creneau International

"QUARTIER BLEU - THE PERFECT BLEND OF MODERN ARCHITECTURE AND NATURAL ELEMENTS"

Discover the unique charm of Hasselt, now transformed into a 'city by the water' with the impressive Quartier Bleu project. Located along the canal, this masterful project comprises a harmonious mix of residences, flats, town houses, retail and catering facilities, and an underground car park for as many as 2,350 cars.

Quartier Bleu's architecture is a display of contemporary design. From the shopping boulevard to the quay and the city quarter, the project offers three different atmospheres. It uses beige-grey natural stone, reddish-brown brickwork, concrete and subtle wooden details. The result is a project that integrates seamlessly with its surroundings.

Creneau International played an undeniable role in the interior design. From the cosy hospitality areas to «The Connector», the space connecting the underground car park with the shops and restaurants, Creneau created a unique atmosphere. Here, the use of solid wood is most striking, which they say creates a stunning effect.

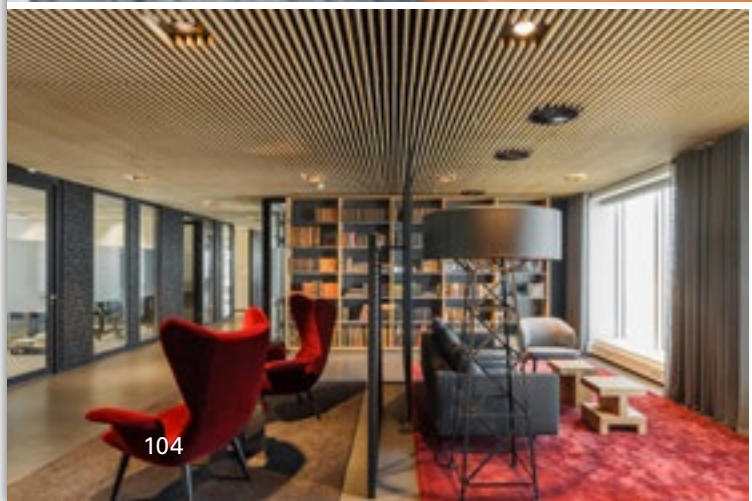
The use of solid wood in Quartier Bleu is not only atypical but also impressive. Creneau International stresses, "The wood creates an amazing effect." Another striking element are the ceiling domes in «The Connector» that mimic daylight underground, giving this space an out-of-this-world feel. The domes are integrated into a 1,100m² solid wood Grill ceiling made of European pine, creating a unique and warm atmosphere.

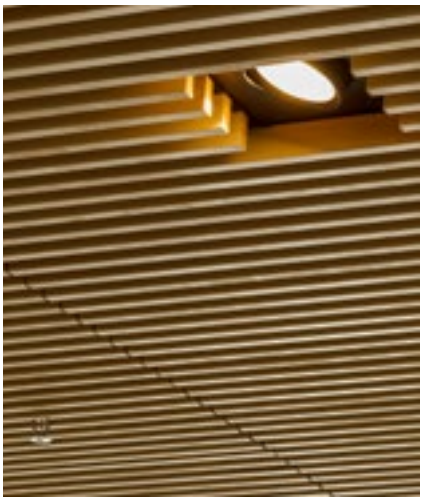
Project : Zayed Sports City, Abu Dhabi, United Arab Emirates
Product : Linear MultiPanel 80B Metal Woodprint
Architect: Sparch

METAL CEILINGS

With a 60 year legacy of product innovation, our metal ceiling systems continue to lead in design, function and sustainability.

When the law firm AKD wanted to refurbish the 29th floor of its offices in Rotterdam's Maastoren, the architects took their inspiration from the dock yards of Rotterdam. The building, which sits on the banks of the river Maas, opened in 2010 and comprises two towers - the first being just over 164 metres high and the second tower, where AKD is located, is 108 metres high.





Project : Maastoren, Rotterdam, The Netherlands
Product : MultiPanel BXD ceiling
Architect: OTH Architects

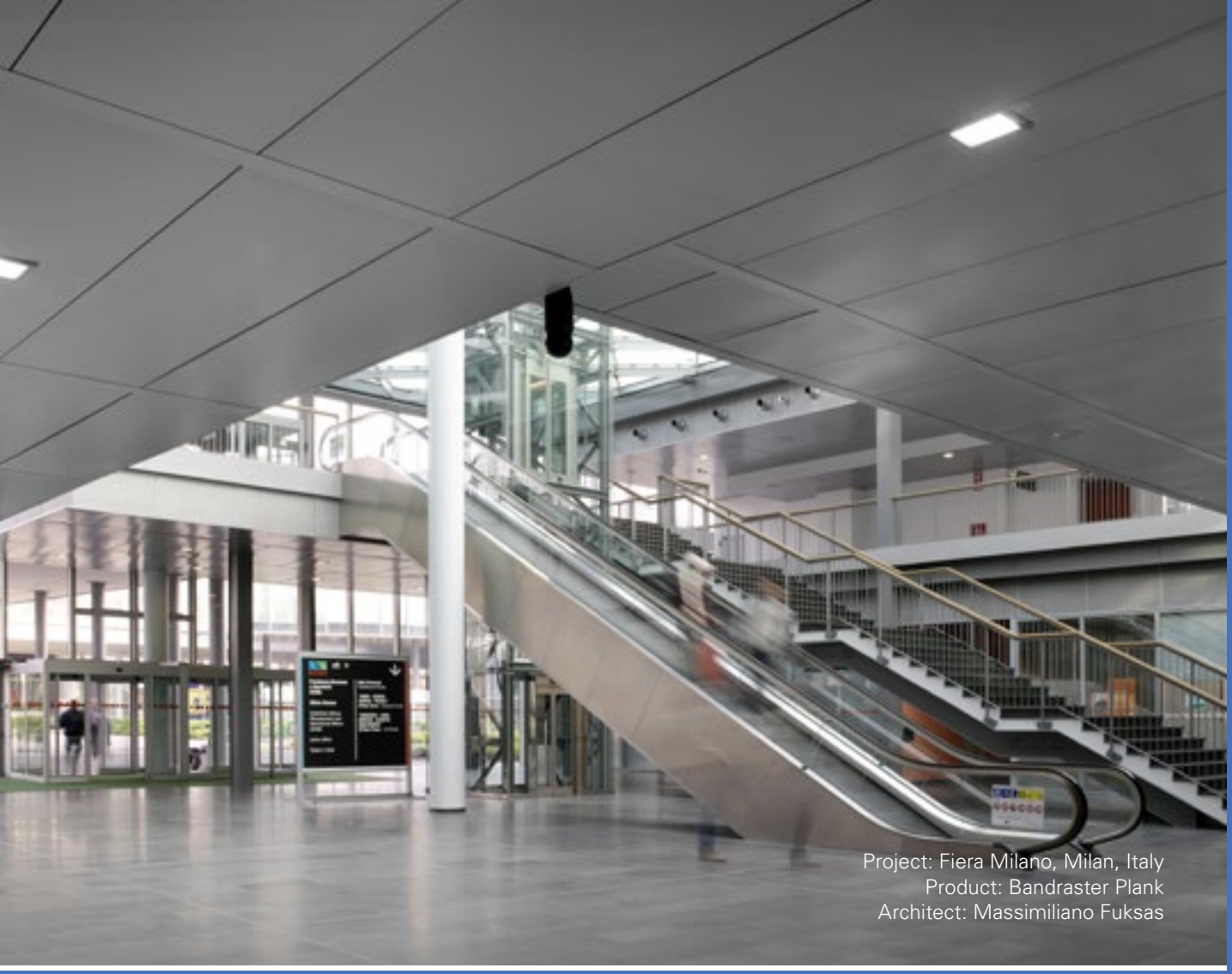
"TWO STUNNING CEILINGS NOT LOOKING LIKE A USUAL OFFICE"

The new reception and conference centre, designed by OTH Architects, features strong materials such as leather, dark wood and blue steel. This look has been complemented by two stunning ceilings. For the reception, corridors and waiting room areas, Hunter Douglas Architectural was specified to supply grill wood veneer in poplar, while the industrial-looking metal ceiling was also specified for the staff lounge and bar area.

Hunter Douglas Architectural worked closely with the installation contractor: "This was a special project for us, because it was the first time we got to experience the MultiPanel BXD metal ceiling. It felt like a puzzle as there are lots of different measurements and we worked with the Hunter Douglas team to make sure our people understood how it should be installed. Preparation is key and there's no doubt that it's a very good ceiling that is well made and we're pleased with the result and how it looks."

Ferdinand van Dam, OTH Architects, said: "Our client, AKD really challenged us to come up with an inspiring interior concept, not looking like a usual office, but more like a club or a lounge of a restaurant. "By creating the concept of 'dock yards of Rotterdam', we gave the space a specific raw identity, fitting both the building and location. The grill-like ceilings, in mismatched wood and dark metal, we found in the collection of Hunter Douglas Architectural complemented the desired look and feel of the interior really well, while providing a great acoustical quality to the space."

Project: MME, Zug, Switzerland
Product: MultiPanel
Architect: Büronauten AG



Project: Fiera Milano, Milan, Italy
Product: Bandraster Plank
Architect: Massimiliano Fuksas

METAL CEILINGS

PLANKS 108

TILES 124

STRETCH METAL 132

WIDE PANEL 154

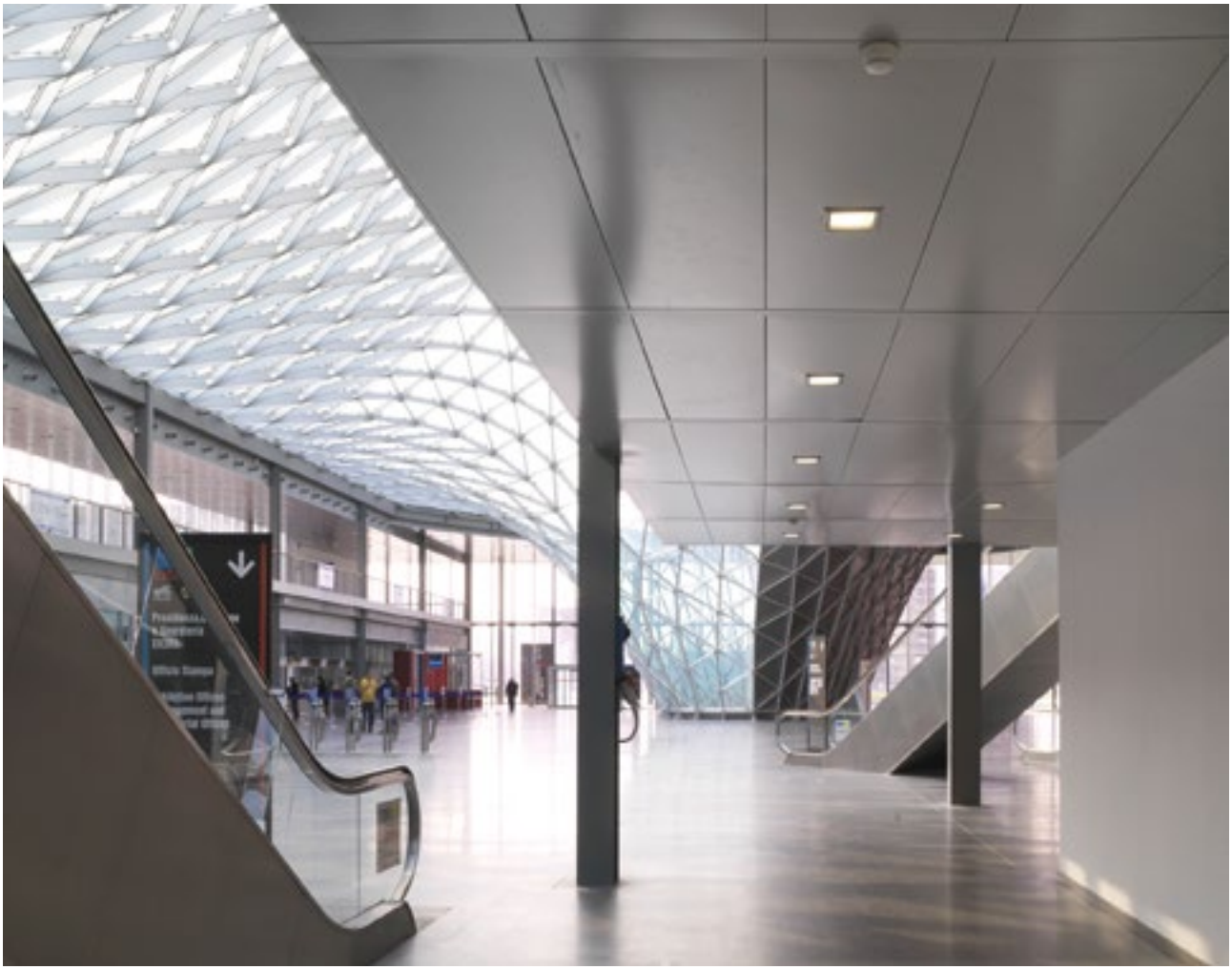
BAFFLES 168

CELL 184

LINEAR 192

PROJECT SOLUTIONS 222

ALPHA BANDRASTER
PLANKS



Project: Fiera Milano, Milan, Italy - Product: Bandraster Plank - Architect: Massimiliano Fuksas

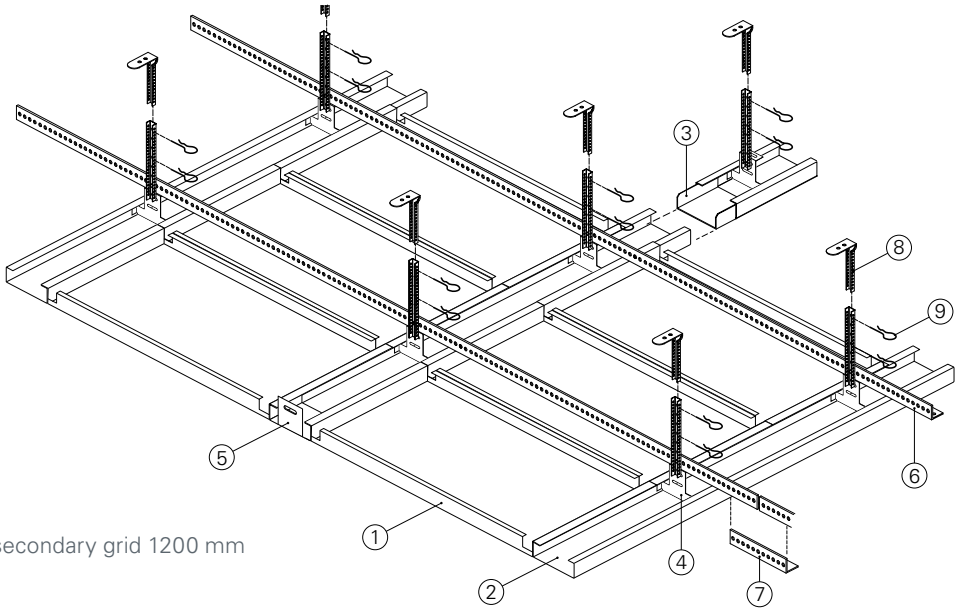
KEY FEATURES

- Panel sizes*:
  - Width: from 300 to 600 mm
  - Length: from 1000 to 2400 mm
- Square edge design in parallel or cross design installation
- Perforated panels with non-woven tissue for acoustic control
- On site waste reduction with factory fabricated dimensional material
- Downweight: reduce static load with lightweight aluminium or steel
- Easy plenum access
- Compatible with industry standard lighting, HVAC, speaker, fire safety, and security services

**For large dimensions contact our sales unit*

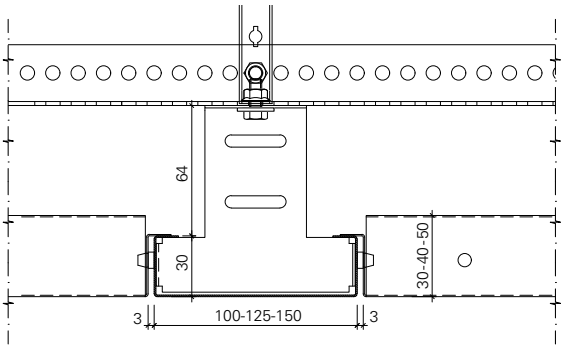
TYPICAL ISOMETRICS

1 = Alpha Bandraster panel
2 = Bandraster profile
3 = Bandraster profile splice
4 = Alpha bracket
5 = Alpha wall bracket
6 = Primary profile
7 = Primary profile splice
8 = Nonius hanger
9 = Locking clips



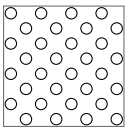
Maximum spans primary and secondary grid 1200 mm
Maximum cantilevers 300 mm

TYPICAL SECTIONS

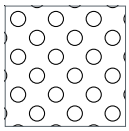


PERFORATION PATTERNS

Standard patterns shown. See page 346 for all perforation patterns.
Scale shown: 1:1, unless otherwise noted. See page 352 for acoustic information.



D1522
Ø 1.5 mm
⇳ 4 ⇔ 4
Openness 22%



D2022
Ø 2 mm
⇳ 5 ⇔ 5
Openness 22%

PHYSICAL DATA

Belgium only

α_W = 0.55-0.90

Al: 4.9 kg/m²
Fe: 7.8 kg/m²

Colours:
See page 122

Varies with finish
RAL9010: LR = 0.81

Alu

Plain: Class C
Perf+NW: Class B

Perf+NW

Plain

PLANKS

Project: Poortvrije Passages Amsterdam, The Netherlands - Product: Hook-On panels - Architect: Benthem Crouwel Architects / Powerhouse Company / Merk X

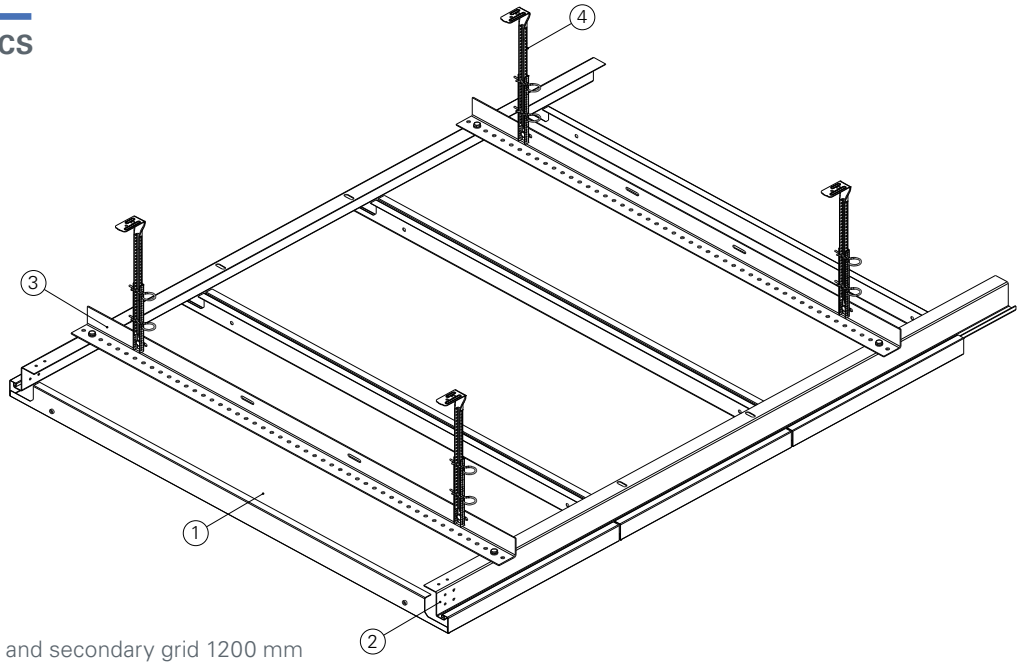
KEY FEATURES

- Panel sizes*:
  - Width: from 300 to 1000 mm
  - Length: from 800 to 3000 mm
- Square edge design
- Perforated panels with non-woven tissue for acoustic control
- On site waste reduction with factory fabricated dimensional material
- Downweight: reduce static load with lightweight aluminium or steel
- Hook-on feature allows point-access and 100% access to plenum
- Compatible with industry standard lighting, HVAC, speaker, fire safety, and security services

**For large dimensions contact our sales unit*

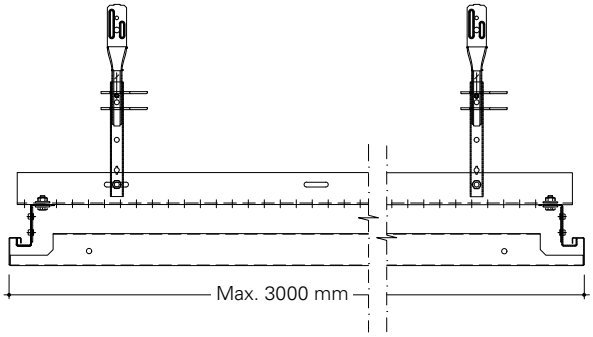
TYPICAL ISOMETRICS

1 = Hook-On plank
2 = Hook-On profile
3 = Primary profile
4 = Suspension



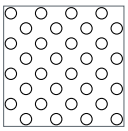
Maximum spans primary and secondary grid 1200 mm
Maximum cantilevers 300 mm

TYPICAL SECTIONS

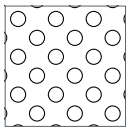


PERFORATION PATTERNS

Standard patterns shown. See page 346 for all perforation patterns.
Scale shown: 1:1, unless otherwise noted. See page 352 for acoustic information.



D1522
Ø 1.5 mm
⇳ 4 ⇔ 4
Openness 22%



D2022
Ø 2 mm
⇳ 5 ⇔ 5
Openness 22%

PHYSICAL DATA

Belgium only

α_w = 0.55-0.90

Al: 4.9 kg/m²
Fe: 7.8 kg/m²

Colours:
See page 122

Varies with finish
RAL9010: LR = 0.81

Alu

Plain: Class C
Perf+NW: Class B

Perf+NW

Plain

BETA HOOK-ON CORRIDOR
PLANKS

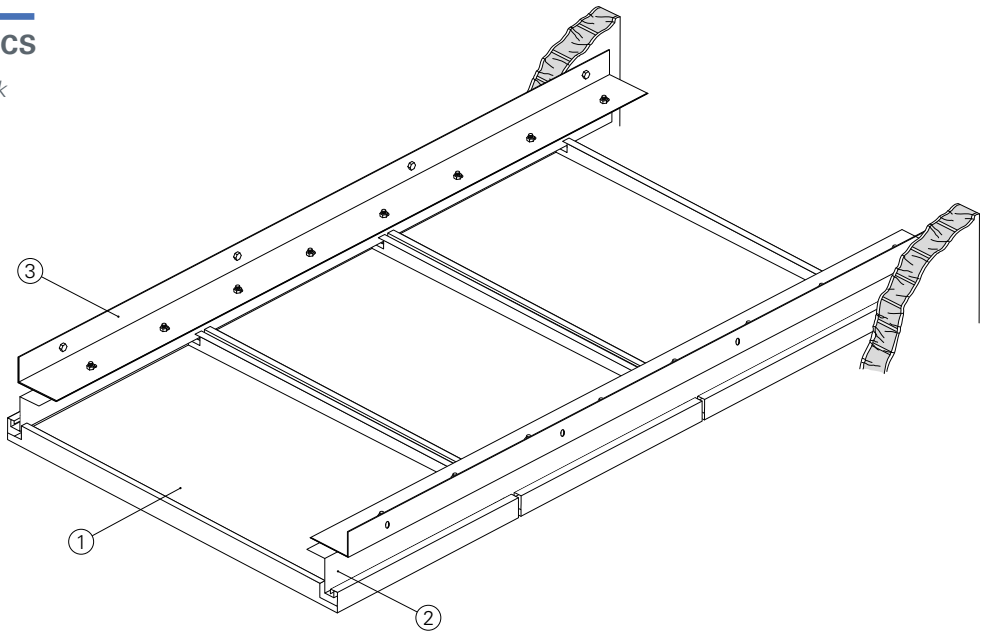
KEY FEATURES

- Panel sizes*:
  - Width: from 300 to 1000 mm
  - Length: from 800 to 3000 mm
- Square edge design
- Perforated panels with non-woven tissue for acoustic control
- On site waste reduction with factory fabricated dimensional material
- Downweight: reduce static load with lightweight aluminium or steel
- Hook-on feature allows point-access and 100% access to plenum
- Compatible with industry standard lighting, HVAC, speaker, fire safety, and security services

**For large dimensions contact our sales unit*

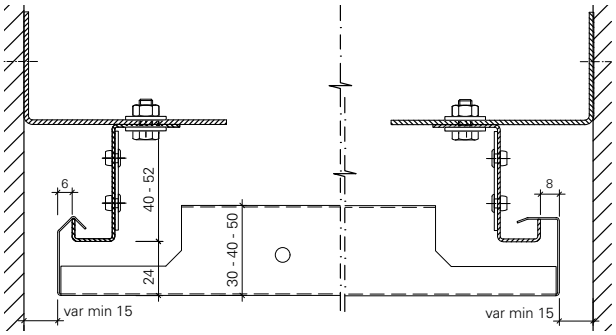
TYPICAL ISOMETRICS

1 = Beta Hook-On plank
2 = Hook-On profile
3 = Wall profile



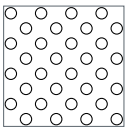
Maximum spans primary and secondary grid 1200 mm
Maximum cantilevers 300 mm

TYPICAL SECTIONS

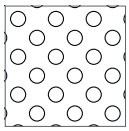


PERFORATION PATTERNS

Standard patterns shown. See page 346 for all perforation patterns.
Scale shown: 1:1, unless otherwise noted. See page 352 for acoustic information.



D1522
Ø 1.5 mm
⇳ 4 ⇔ 4
Openness 22%



D2022
Ø 2 mm
⇳ 5 ⇔ 5
Openness 22%

PHYSICAL DATA

α_W = 0.55-0.90

Al: 4.9 kg/m²
Fe: 7.8 kg/m²

Colours:
See page 122

Varies with finish
RAL9010: LR = 0.81

Alu

Plain: Class C
Perf+NW: Class B

Perf+NW

Plain

BETA HOOK-ON CONTINUOUS

PLANKS

Project: Headquarter European Grid Manager, Arnhem, The Netherlands - Product: Planks Beta (Hook-On Continuous) - Architect: Studio Groen + Schild

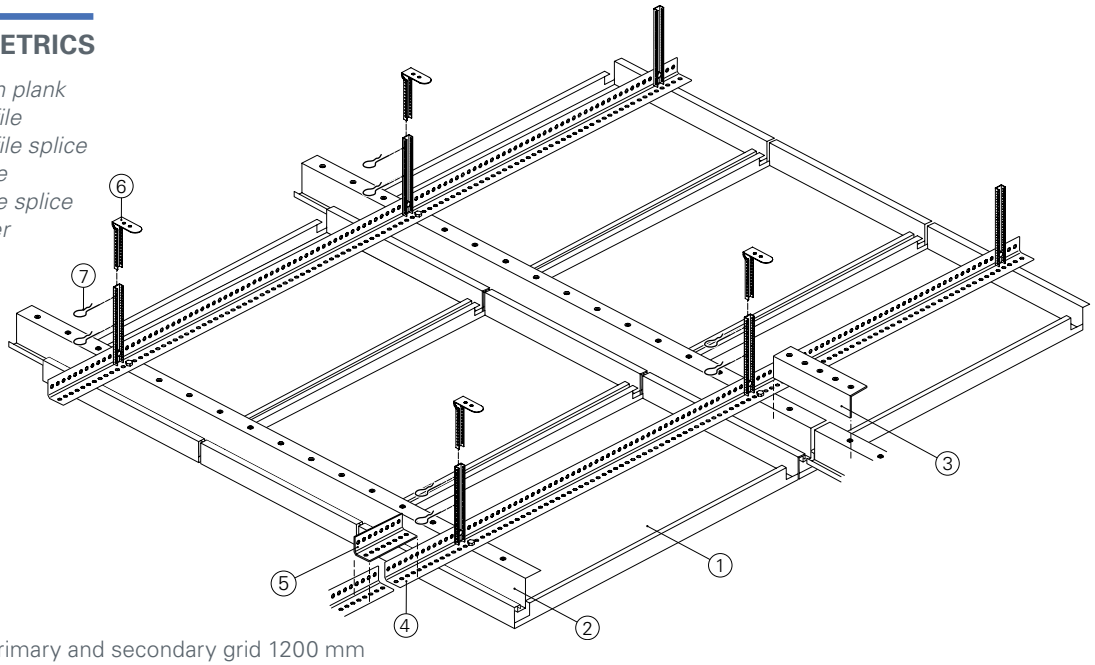
KEY FEATURES

- Panel sizes*:
  - minimum 300 x 1000 mm
  - maximum 800 x 3000 mm
- Square edge design
- Perforated panels with non-woven tissue for acoustic control
- On site waste reduction with factory fabricated dimensional material
- Downweight: reduce static load with lightweight aluminium or steel
- Easy plenum access
- Compatible with industry standard lighting, HVAC, speaker, fire safety, and security services

**For large dimensions contact our sales unit*

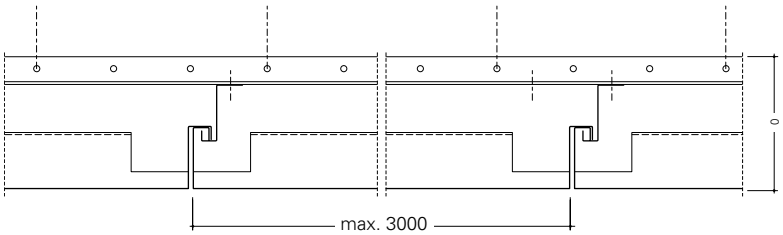
TYPICAL ISOMETRICS

1 = Beta Hook-On plank
2 = Hook-On profile
3 = Hook-On profile splice
4 = Primary profile
5 = Primary profile splice
6 = Nonius hanger
7 = Locking clips



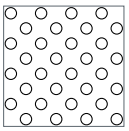
Maximum spans primary and secondary grid 1200 mm
Maximum cantilevers 300 mm

TYPICAL SECTIONS

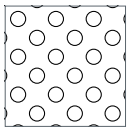


PERFORATION PATTERNS

Standard patterns shown. See page 346 for all perforation patterns.
Scale shown: 1:1, unless otherwise noted. See page 352 for acoustic information.



D1522
Ø 1.5 mm
⇳ 4 ⇔ 4
Openness 22%



D2022
Ø 2 mm
⇳ 5 ⇔ 5
Openness 22%

PHYSICAL DATA

α_W = 0.55-0.90

Al: 4.9 kg/m²
Fe: 7.8 kg/m²

Colours:
See page 122

Varies with finish
RAL9010: LR = 0.81

Alu

Plain: Class C
Perf+NW: Class B

Perf+NW

Plain

BETA HOOK-ON SAFETY-LOOP

PLANKS

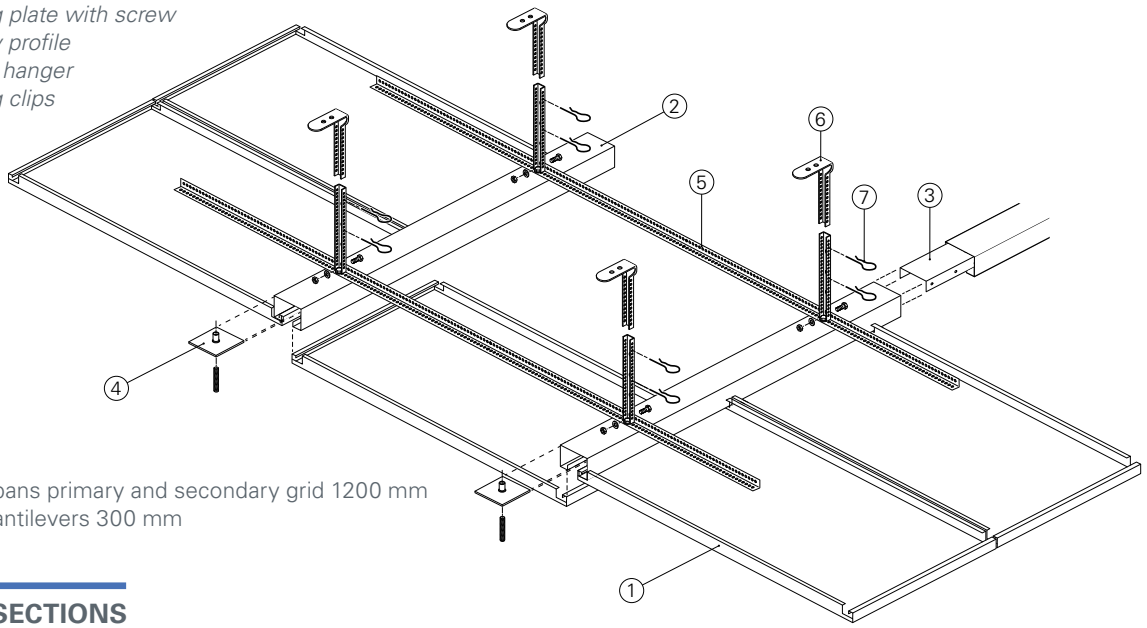
KEY FEATURES

- Panel sizes*:
  - minimum 300 x 1000 mm
  - maximum 800 x 3000 mm
- Square edge design
- Perforated panels with non-woven tissue for acoustic control
- On site waste reduction with factory fabricated dimensional material
- Downweight: reduce static load with lightweight aluminium or steel
- Safety-Loop feature allows point-access and 100% access to plenum
- Compatible with industry standard lighting, HVAC, speaker, fire safety, and security services

**For large dimensions contact our sales unit*

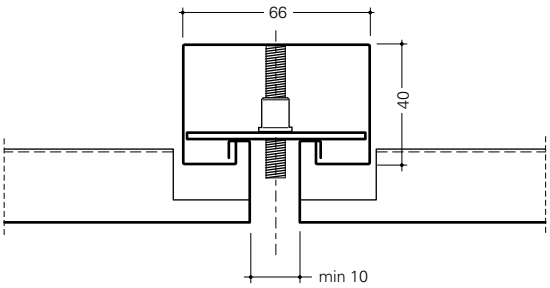
TYPICAL ISOMETRICS

1 = Beta Hook-On plank
2 = Safety-Loop profile
3 = Safety-Loop profile splice
4 = Locking plate with screw
5 = Primary profile
6 = Nonius hanger
7 = Locking clips



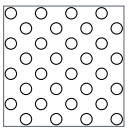
Maximum spans primary and secondary grid 1200 mm
Maximum cantilevers 300 mm

TYPICAL SECTIONS

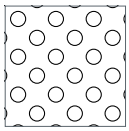


PERFORATION PATTERNS

Standard patterns shown. See page 346 for all perforation patterns.
Scale shown: 1:1, unless otherwise noted. See page 352 for acoustic information.



D1522
Ø 1.5 mm
⇳ 4 ⇔ 4
Openness 22%



D2022
Ø 2 mm
⇳ 5 ⇔ 5
Openness 22%

PHYSICAL DATA

α_W = 0.55-0.90

Al: 4.9 kg/m²
Fe: 7.8 kg/m²

Colours:
See page 122

Varies with finish
RAL9010: LR = 0.81

Alu

Plain: Class C
Perf+NW: Class B

Perf+NW

Plain

DELTA TORSION SPRING CONTINUOUS
PLANKS

Project: Gdanska underground station, Warsaw, Poland - Product: Planks Delta Torsion Spring Continuous - Architect: APA Kuryłowicz

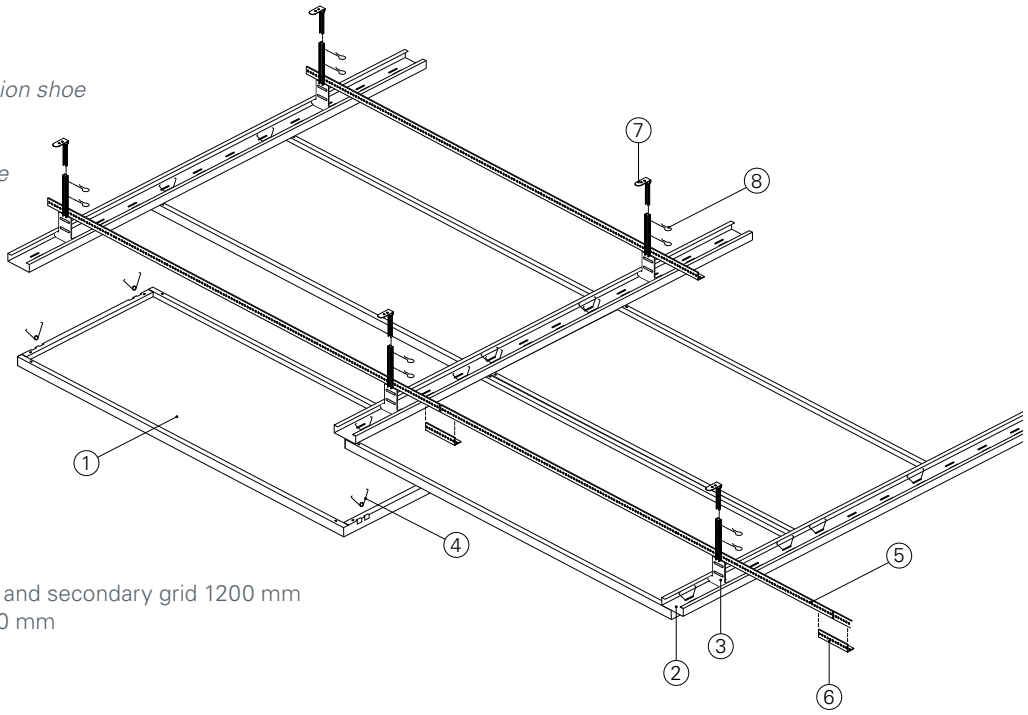
KEY FEATURES

- Panel sizes*:
  - Width: from 300 to 1000 mm
  - Length: from 1000 to 2400 mm
- Torsion-Spring feature allows point-access and 100% access to plenum
- Square edge design
- Perforated panels with non-woven tissue for acoustic control
- On site waste reduction with factory fabricated dimensional material
- Downweight: reduce static load with lightweight aluminium or steel
- Easy plenum access
- Compatible with industry standard lighting, HVAC, speaker, fire safety, and security services

**For large dimensions contact our sales unit*

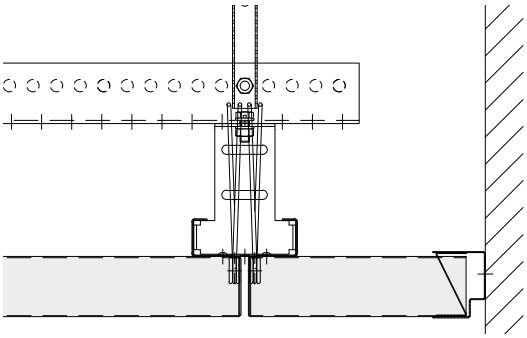
TYPICAL ISOMETRICS

1 = Delta plank
2 = Bandraster profile
3 = Bandraster suspension shoe
4 = Torsion-Spring
5 = Primary profile
6 = Primary profile splice
7 = Nonius hanger
8 = Locking clips



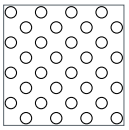
Maximum spans primary and secondary grid 1200 mm
Maximum cantilevers 300 mm

TYPICAL SECTIONS

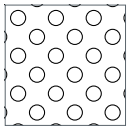


PERFORATION PATTERNS

Standard patterns shown. See page 346 for all perforation patterns.
Scale shown: 1:1, unless otherwise noted. See page 352 for acoustic information.



D1522
Ø 1.5 mm
⇳ 4 ⇔ 4
Openness 22%



D2022
Ø 2 mm
⇳ 5 ⇔ 5
Openness 22%

PHYSICAL DATA

α_W = 0.55-0.90

Al: 4.9 kg/m²
Fe: 7.8 kg/m²

Colours:
See page 122

Varies with finish
RAL9010: LR = 0.81

Alu

Plain: Class C
Perf+NW: Class B

Perf+NW

Plain

Project: Brussels Airport Connector, Brussels, Belgium - Product: Gamma Lay-on Plank (Omega Bandraster) - Architect: Chapman Taylor Benelux

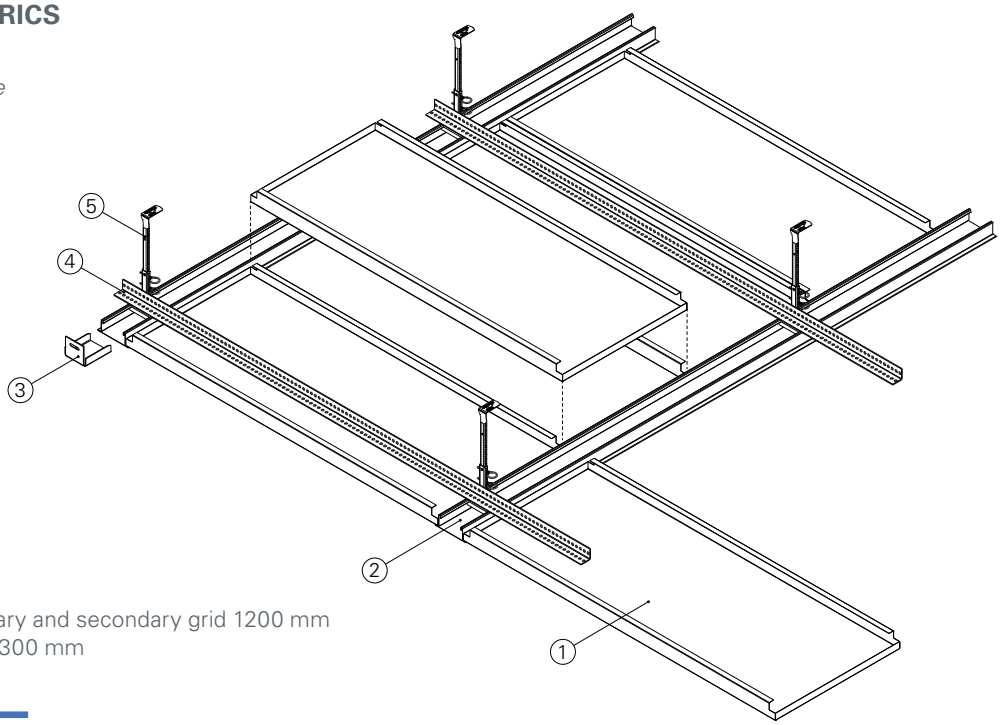
KEY FEATURES

- Panel sizes*:
  - Width: from 300 to 600 mm
  - Length: from 800 to 2400 mm
- Square edge design
- Perforated panels with non-woven tissue for acoustic control
- On site waste reduction with factory fabricated dimensional material
- Downweight: reduce static load with lightweight aluminium or steel
- Easy installation - no fasteners or tools required
- Compatible with industry standard lighting, HVAC, speaker, fire safety, and security services

**For large dimensions contact our sales unit*

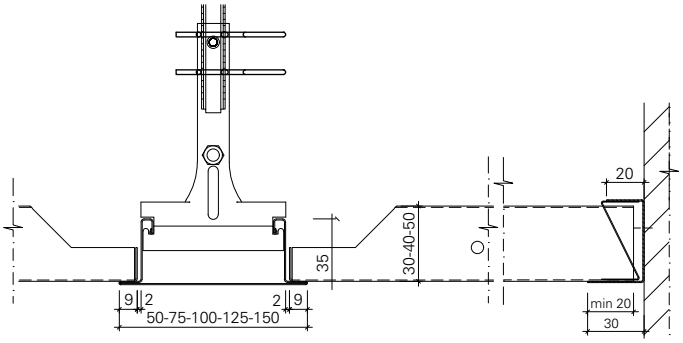
TYPICAL ISOMETRICS

1 = Lay-On plank
2 = Bandraster profile
3 = Wall bracket
4 = Primary profile
5 = Nonius hanger



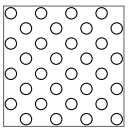
Maximum spans primary and secondary grid 1200 mm
Maximum cantilevers 300 mm

TYPICAL SECTIONS

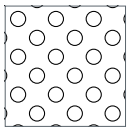


PERFORATION PATTERNS

Standard patterns shown. See page 346 for all perforation patterns.
Scale shown: 1:1, unless otherwise noted. See page 352 for acoustic information.



D1522
Ø 1.5 mm
⇳ 4 ⇔ 4
Openness 22%



D2022
Ø 2 mm
⇳ 5 ⇔ 5
Openness 22%

PHYSICAL DATA

Belgium only

α_w = 0.55-0.90

Al: 4.9 kg/m²
Fe: 7.8 kg/m²

Colours:
See page 122

Varies with finish
RAL9010: LR = 0.81

Alu

Plain: Class C
Perf+NW: Class B

Perf+NW

Plain

PLANKS

COLOURS AND FINISHES

Hunter Douglas Architectural offers a wide choice of colours and finishes. Custom colour matching is available upon request. Please contact your local Hunter Douglas sales office for minimum quantities and lead times. See website for the most up to date information. Colours are for illustration purposes only.

STANDARD POWDER COATED COLOURS

Signal White RAL 9003

Traffic White RAL 9016

Pure White RAL 9010

White Aluminium RAL 9006

Jet Black RAL 9005

CUSTOM COLOURS

On Request

Project: Train station Bijlmer, Amsterdam, The Netherlands - Product: Delta Torsion Spring Plank - Architect: Nicholas Grimshaw in collaboration with Arcadis

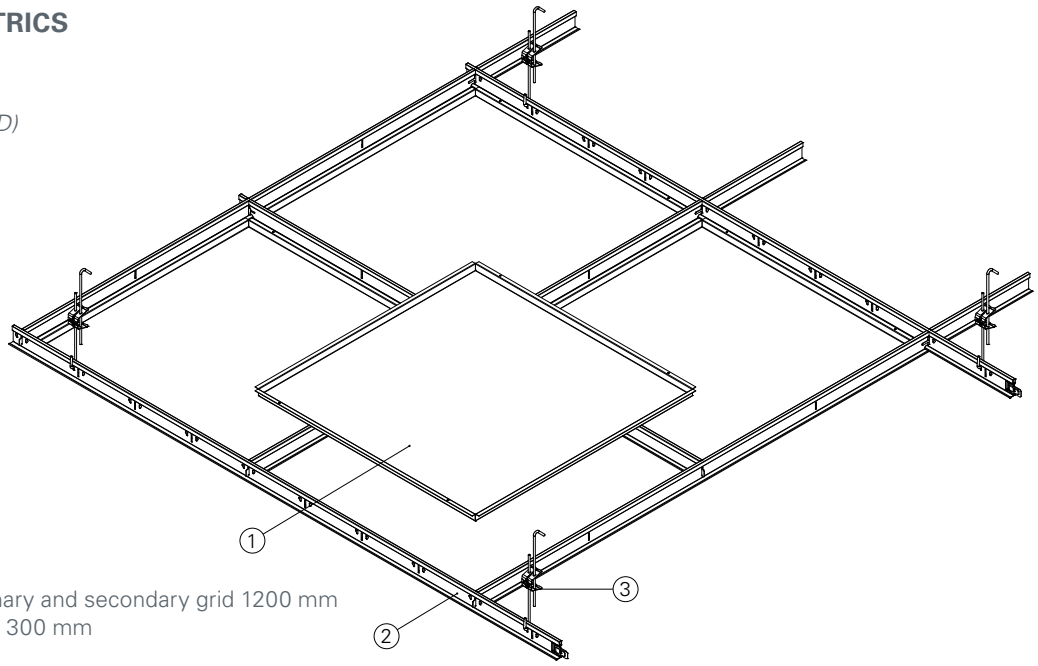
Project: ABN Amro, The Hague, The Netherlands - Product: Tiles (Lay-In T24/0) - Architect: T en W architecten

KEY FEATURES

- Standard dimension 600 x 600 mm
- Square edges. Options: T15/8, T24/0, T24/8, T24/16
- Perforated panels with non-woven tissue for acoustic control
- On site waste reduction with factory fabricated dimensional material
- Downweight: reduce static load with lightweight aluminium or steel
- Easy installation - no fasteners or tools required
- Compatible with industry standard lighting, HVAC, speaker, fire safety, and security services

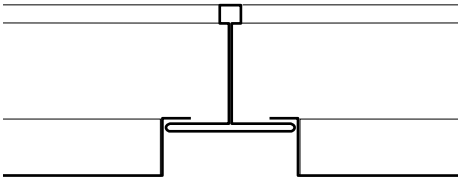
TYPICAL ISOMETRICS

1 = Lay-In Tile
2 = T-grid (non-HD)
3 = Hangers (non-HD)



Maximum spans primary and secondary grid 1200 mm
Maximum cantilevers 300 mm

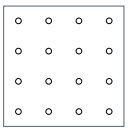
TYPICAL SECTIONS



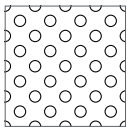
Lay-In

PERFORATION PATTERNS

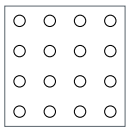
Standard patterns shown. See page 346 for all perforation patterns.
Scale shown: 1:1, unless otherwise noted. See page 352 for acoustic information.



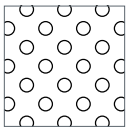
R0803
Ø 0.75 mm
⇳ 4 ⇔ 4
Openness 3%



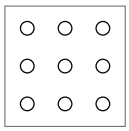
D1522
Ø 1.5 mm
⇳ 4 ⇔ 4
Openness 22%



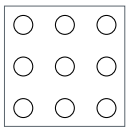
R1511
Ø 1.5 mm
⇳ 4 ⇔ 4
Openness 11%



D1820
Ø 1.8 mm
⇳ 5 ⇔ 5
Openness 20%



R1810
Ø 1.8 mm
⇳ 5 ⇔ 5
Openness 10%



R2516
Ø 2.5 mm
⇳ 5.5 ⇔ 5.5
Openness 16%

PHYSICAL DATA

Belgium only

α_w = 0.55-0.90

Al: 4.9 kg/m²
Fe: 7.8 kg/m²

Colours:
See page 130

Varies with finish
RAL9010: LR = 0.81

Alu

Plain: Class C
Perf+NW: Class B

Perf+NW

Plain

TILES

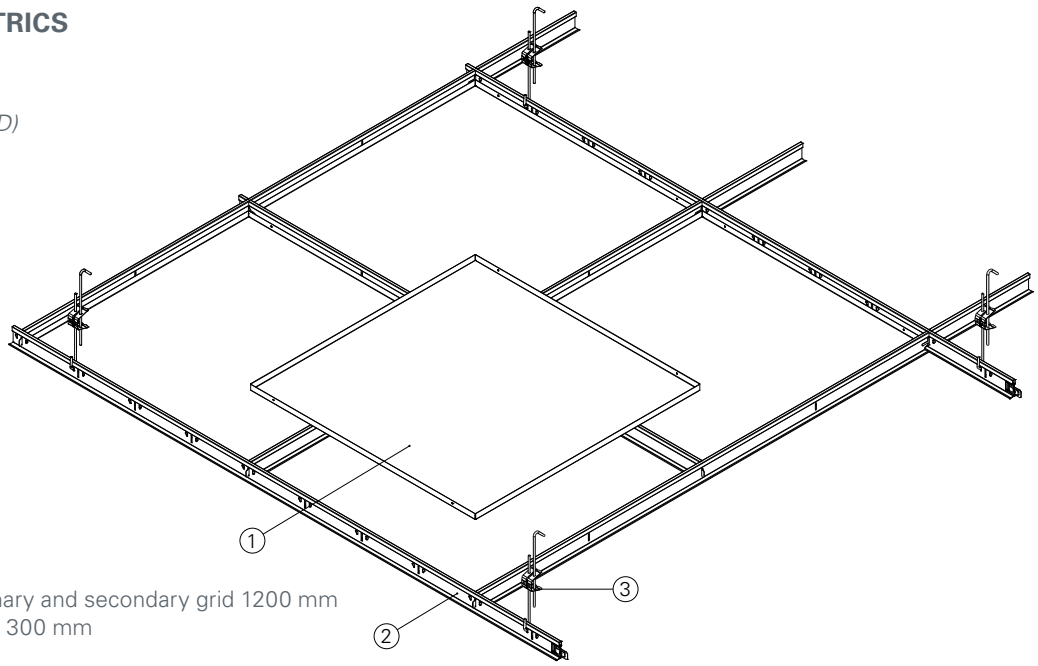
Project: Atlas Arena, Sport and Entertainment hall, Łódź, Poland - Product: Tiles (Lay-On T24) - Architect: ATJ

KEY FEATURES

- Standard dimension 600 x 600 mm
- Options: T15, T24
- Perforated panels with non-woven tissue for acoustic control
- On site waste reduction with factory fabricated dimensional material
- Downweight: reduce static load with lightweight aluminium or steel
- Easy installation - no fasteners or tools required
- Compatible with industry standard lighting, HVAC, speaker, fire safety, and security services

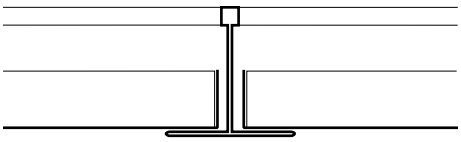
TYPICAL ISOMETRICS

1 = Lay-On Tile
2 = T-grid (non-HD)
3 = Hangers (non-HD)



Maximum spans primary and secondary grid 1200 mm
Maximum cantilevers 300 mm

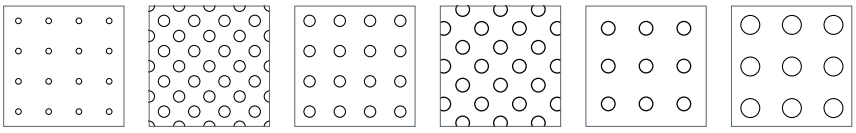
TYPICAL SECTIONS



Lay-On

PERFORATION PATTERNS

Standard patterns shown. See page 346 for all perforation patterns.
Scale shown: 1:1, unless otherwise noted. See page 352 for acoustic information.



R0803
Ø 0.75 mm
⇳ 4 ⇿ 4
Openness 3%

D1522
Ø 1.5 mm
⇳ 4 ⇿ 4
Openness 22%

R1511
Ø 1.5 mm
⇳ 4 ⇿ 4
Openness 11%

D1820
Ø 1.8 mm
⇳ 5 ⇿ 5
Openness 20%

R1810
Ø 1.8 mm
⇳ 5 ⇿ 5
Openness 10%

R2516
Ø 2.5 mm
⇳ 5.5 ⇿ 5.5
Openness 16%

PHYSICAL DATA

Belgium only

α_W = 0.55-0.90

Al: 4.9 kg/m²
Fe: 7.8 kg/m²

Colours:
See page 130

Varies with finish
RAL9010: LR = 0.81

Alu

Plain: Class C
Perf+NW: Class B

Perf+NW

Plain

TILES

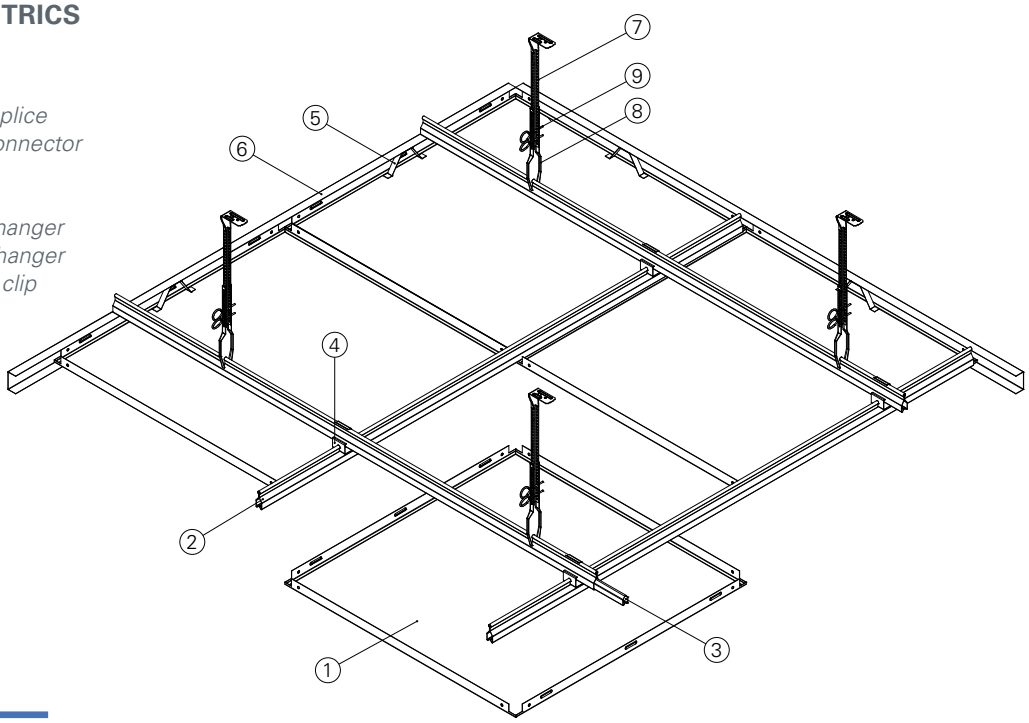
Project: Brussels Airport Connector, Brussels, Belgium - Product: Tile (Clip-In) - Architect: Chapman Taylor Benelux

KEY FEATURES

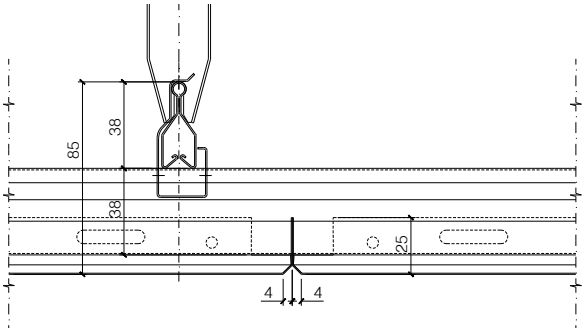
- Standard dimensions 600 x 600 mm
  600 x 1200 mm
- Bevelled edges 4 mm
- Perforated panels with non-woven tissue for acoustic control
- On site waste reduction with factory fabricated dimensional material
- Downweight: reduce static load with lightweight aluminium or steel
- Easy installation - no fasteners or tools required
- Compatible with industry standard lighting, HVAC, speaker, fire safety, and security services

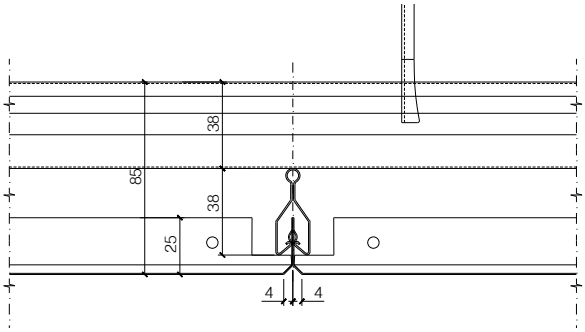
TYPICAL ISOMETRICS

1 = Clip-In Tile
2 = Clip-In carrier
3 = Clip-In carrier splice
4 = Carrier cross connector
5 = Hold down clip
6 = Edge profile
7 = Upper Nonius hanger
8 = Lower Nonius hanger
9 = Nonius locking clip



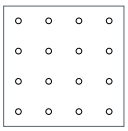
TYPICAL SECTIONS



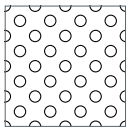


PERFORATION PATTERNS

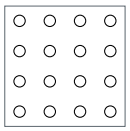
Standard patterns shown. See page 346 for all perforation patterns.
Scale shown: 1:1, unless otherwise noted. See page 352 for acoustic information.



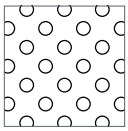
R0803
Ø 0.75 mm
⇳ 4 ⇔ 4
Openness 3%



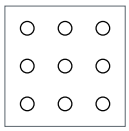
D1522
Ø 1.5 mm
⇳ 4 ⇔ 4
Openness 22%



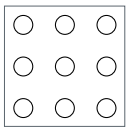
R1511
Ø 1.5 mm
⇳ 4 ⇔ 4
Openness 11%



D1820
Ø 1.8 mm
⇳ 5 ⇔ 5
Openness 20%



R1810
Ø 1.8 mm
⇳ 5 ⇔ 5
Openness 10%



R2516
Ø 2.5 mm
⇳ 5.5 ⇔ 5.5
Openness 16%

PHYSICAL DATA

α_W = 0.55-0.90

Al: 4.9 kg/m²
Fe: 7.8 kg/m²

Colours:
See page 130

Varies with finish
RAL9010: LR = 0.81

Alu

Plain: Class C
Perf+NW: Class B

Perf+NW

Plain

COLOURS AND FINISHES

Hunter Douglas Architectural offers a wide choice of colours and finishes. Custom colour matching is available upon request. Please contact your local Hunter Douglas sales office for minimum quantities and lead times. See website for the most up to date information. Colours are for illustration purposes only.

STANDARD POWDER COATED COLOURS

Signal White RAL 9003

Traffic White RAL 9016

Pure White RAL 9010

White Aluminium RAL 9006

CUSTOM COLOURS

On Request

Project: ABN Amro, The Hague, The Netherlands - Product: Tiles (Lay-In) - Architect: T en W architecten

TILES LAY-IN

STRETCH METAL

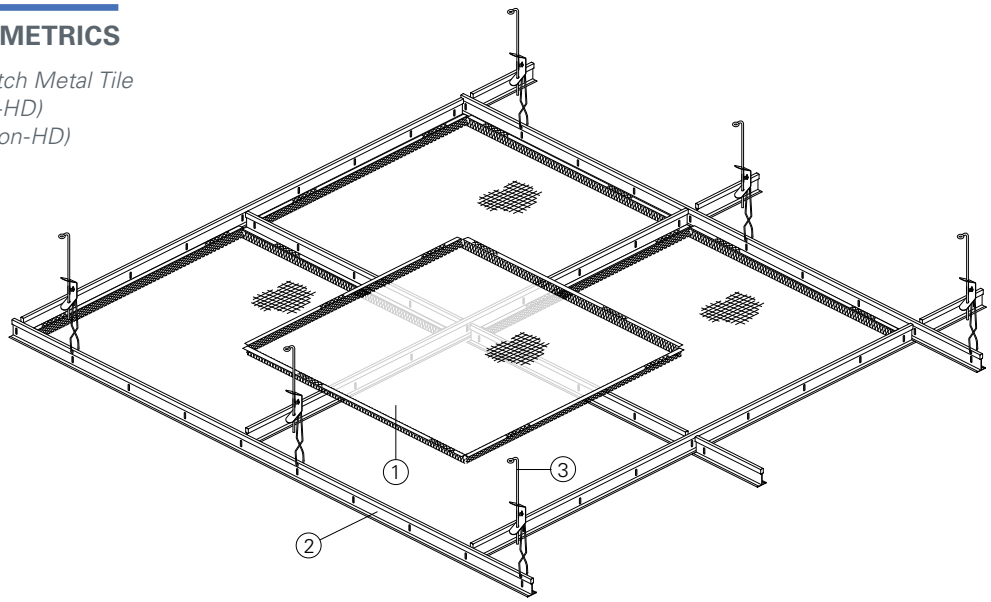
Project: Biljartfabriek, Zwolle, The Netherlands - Product: Stretch Metal Tiles (Lay-In) - Architect: BDG Architecten

KEY FEATURES

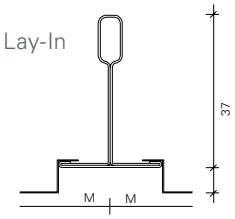
- Standard dimension module 600 x 600 mm and module 625 x 625 mm
- Edge options: module 600 x 600 mm reveal 8mm. Module 625 x 625 mm reveal 14 mm
- Mesh panels with lay-on pads for acoustic control
- On site waste reduction with factory fabricated dimensional material
- Downweight: reduce static load with lightweight aluminium or steel
- Easy installation - no fasteners or tools required
- Compatible with industry standard lighting, HVAC, speaker, fire safety, and security services

TYPICAL ISOMETRICS

1 = Lay-In/Stretch Metal Tile
2 = T-grid (non-HD)
3 = Hangers (non-HD)



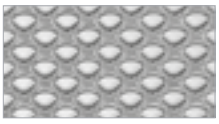
TYPICAL SECTIONS

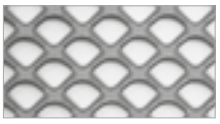


Lay-In	**T15:** 8	**T24:** 8	**T24:** 14
Module	600 x 600	600 x 600	625 x 625
Grid	15 mm	24 mm	24 mm
Reveal	8 mm	8 mm	14 mm

MESH PATTERNS

Standard patterns shown. See page 346 for all perforation patterns.
Scale shown: 1:1, unless otherwise noted. See page 353 for acoustic information.


LS6 (Fe)


LS8 (Fe)

LD10 (Fe)

LD16 (Fe)

PHYSICAL DATA

α_W = 0.55-1.00

Depends on Meshtype

Colours:
See page 152

Varies with finish

Alu

Class B

TILES LAY-ON
STRETCH METAL

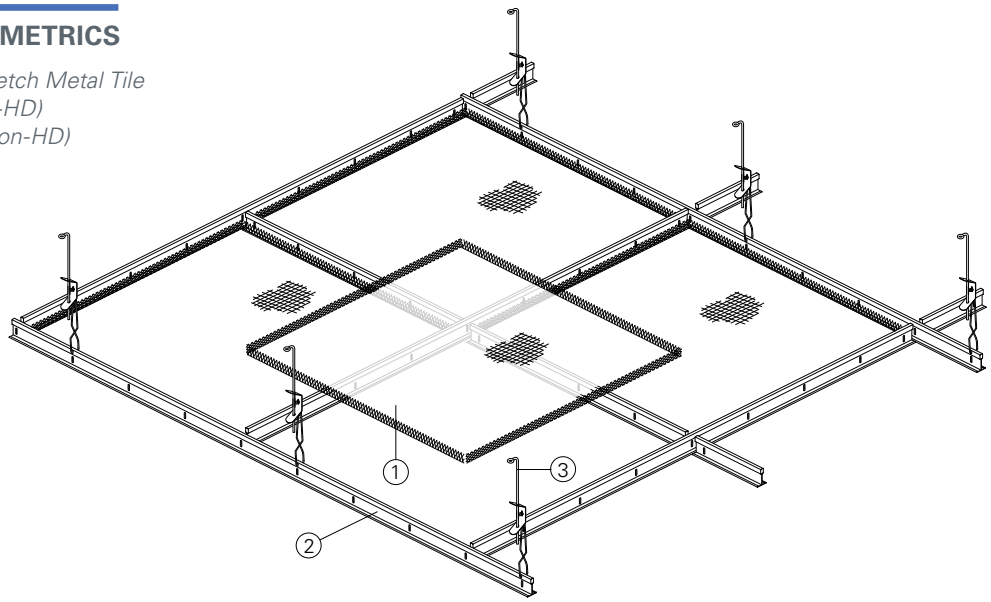
Project: Trento Shopping Centre, Trento, Italy - Product: Stretch Metal Tiles (lay-On) - Architect: RWA (Ruffo Wolf Architetti)

KEY FEATURES

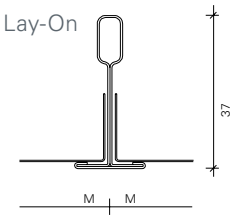
- Standard dimension 600 x 600 mm
- Edge options: square, flush, reveal
- Mesh panels with lay-on pads for acoustic control
- On site waste reduction with factory fabricated dimensional material
- Downweight: reduce static load with lightweight aluminium or steel
- Easy installation - no fasteners or tools required
- Compatible with industry standard lighting, HVAC, speaker, fire safety, and security services

TYPICAL ISOMETRICS

1 = Lay-On Stretch Metal Tile
2 = T-grid (non-HD)
3 = Hangers (non-HD)



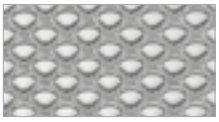
TYPICAL SECTIONS



Lay-On	T15	T15	T24	T24
Module	600 x 600	600 x 1200	600 x 600	600 x 1200
Grid	15 mm	15 mm	15 mm	15 mm
Reveal	0 mm	0 mm	0 mm	0 mm

MESH PATTERNS

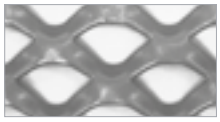
Standard patterns shown. See page 346 for all perforation patterns.
Scale shown: 1:1, unless otherwise noted. See page 353 for acoustic information.


LS6 (Fe)

LS8 (Fe)

LS10 (Fe)

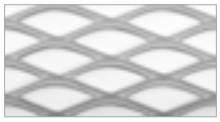
LS12 (Fe)


LS16 (Fe)

LD10 (Fe)

LD16 (Fe)

LD20 Rotterdam (Fe)
(Scale 1:2)


LD28 Moscow (Fe)
(Scale 1:2)

LD43 Paris (Fe)
(Scale 1:2)

PHYSICAL DATA

α_W = 0.55-1.00

Depends on Meshtype

Colours:
See page 152

Varies with finish

Alu

Class B

ALPHA BANDRASTER
STRETCH METAL

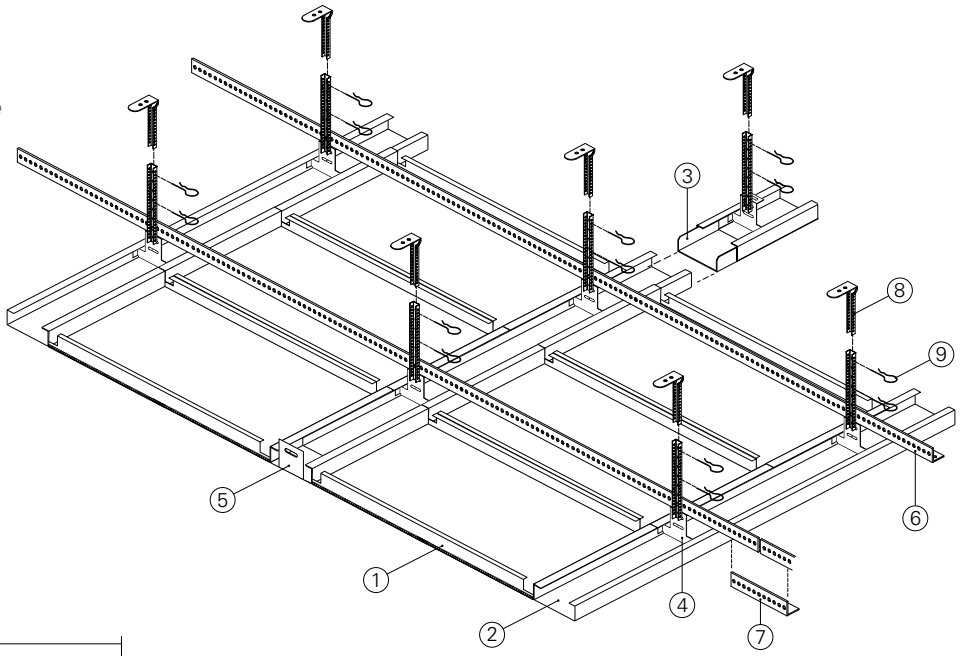
Project: Pakhuismeesteren, Rotterdam, The Netherlands - Product: Stretch metal planks - Architect: Teresa Sapey & Partners

KEY FEATURES

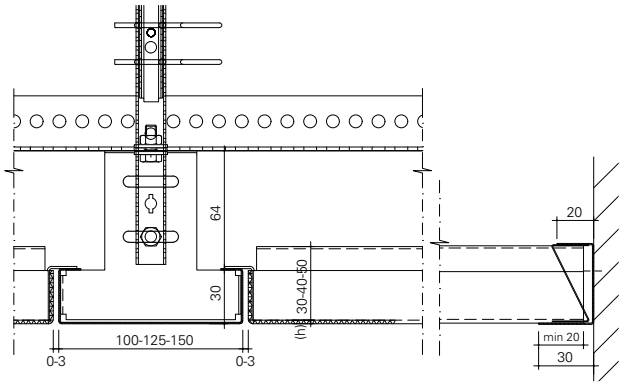
- Panel sizes:
  - without reinforcement maximum 600 x 1200 mm
  - with reinforcement maximum 600 x 2500 mm
- Square edge design in parallel or cross design installation
- Mesh panels with lay-on pads for acoustic control
- On site waste reduction with factory fabricated dimensional material
- Downweight: reduce static load with lightweight aluminium or steel
- Easy plenum access
- Compatible with industry standard lighting, HVAC, speaker, fire safety, and security services

TYPICAL ISOMETRICS

1 = C-Grid panel
2 = C-Grid profile
3 = C-Grid profile splice
4 = C-Grid suspension shoe
5 = Wall bracket
6 = Primary profile
7 = Primary profile splice
8 = Nonius hanger
9 = Locking clips

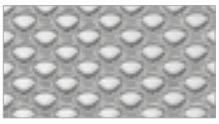


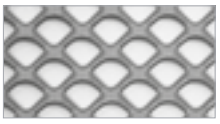
TYPICAL SECTIONS



MESH PATTERNS

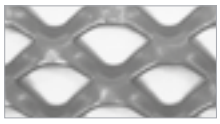
Standard patterns shown. See page 346 for all perforation patterns.
Scale shown: 1:1, unless otherwise noted. See page 353 for acoustic information.


LS6 (Fe)


LS8 (Fe)

LS10 (Fe)

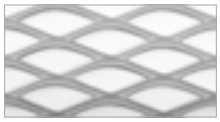
LS12 (Fe)


LS16 (Fe)

LD10 (Fe)

LD16 (Fe)

LD20 Rotterdam (Fe)
(Scale 1:2)


LD28 Moscow (Fe)
(Scale 1:2)

LD43 Paris (Fe)
(Scale 1:2)

PHYSICAL DATA

α_W = 0.55-1.00

Depends on Meshtype

Colours:
See page 152

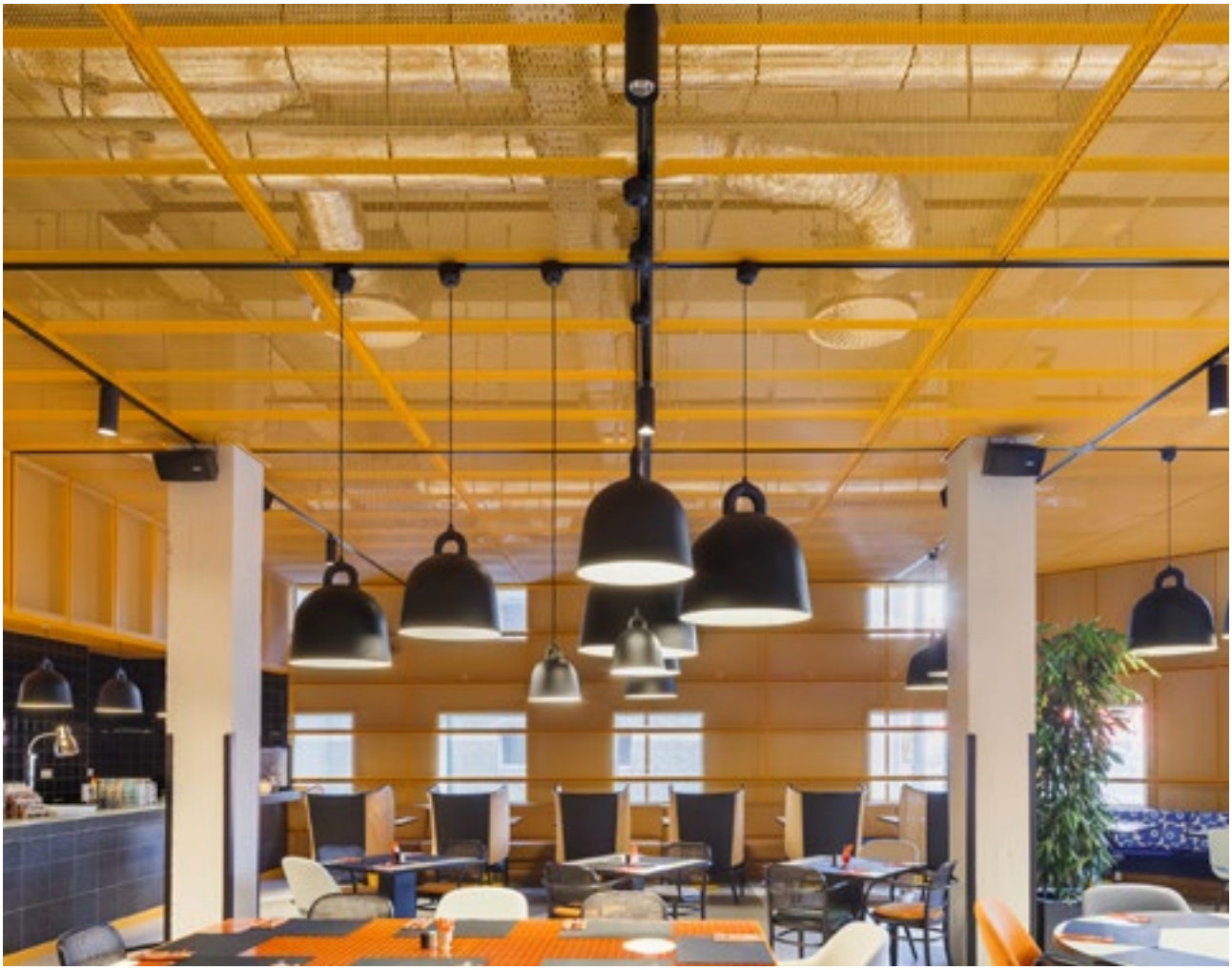
Varies with finish

Alu

Class B

BETA HOOK-ON SINGULAR - FOLDED

STRETCH METAL



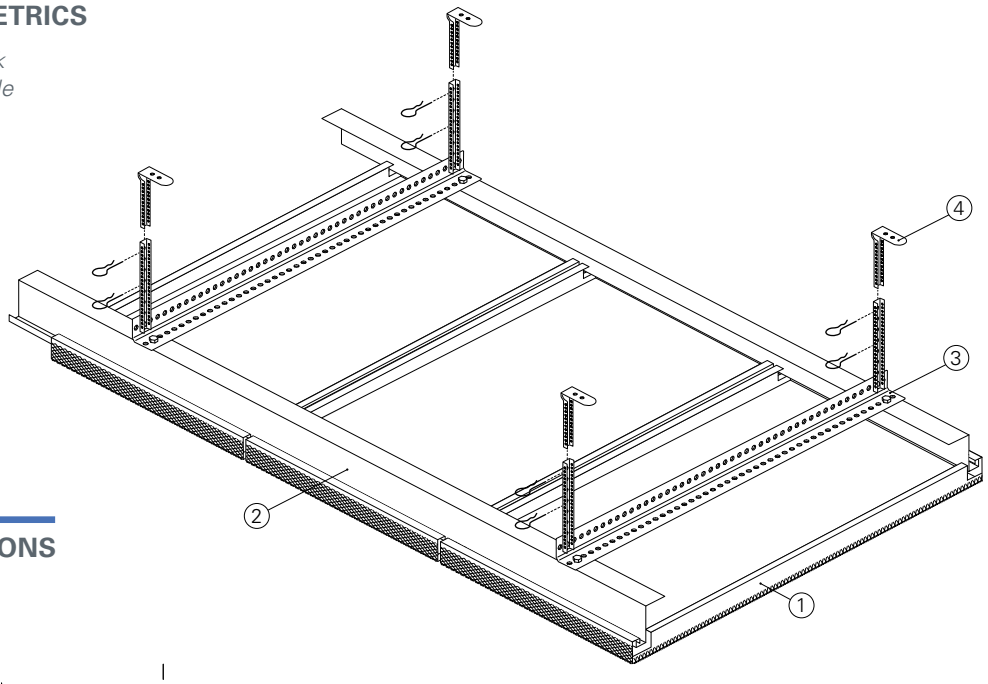
Project: Pakhuismeesteren, Rotterdam, The Netherlands - Product: Stretch Metal Beta Hook-on Singular - Folded - Architect: Teresa Sapey & Partners

KEY FEATURES

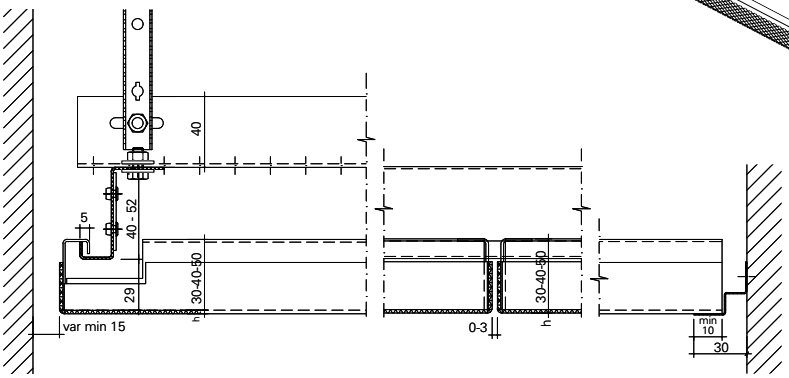
- Panel sizes:
  - with reinforcement maximum 600 x 2500 mm
- Square edge design
- Mesh panels with lay-on pads for acoustic control
- On site waste reduction with factory fabricated dimensional material
- Downweight: reduce static load with lightweight aluminium or steel
- Easy installation - no fasteners or tools required
- Hook-On feature allows point-access and 100% access to plenum
- Compatible with industry standard lighting, HVAC, speaker, fire safety, and security services

TYPICAL ISOMETRICS

1 = Hook-On plank
2 = Hook-On profile
3 = Primary profile
4 = Suspension



TYPICAL SECTIONS



MESH PATTERNS

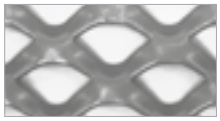
Standard patterns shown. See page 346 for all perforation patterns.
Scale shown: 1:1, unless otherwise noted. See page 353 for acoustic information.

LS6 (Fe)

LS8 (Fe)

LS10 (Fe)

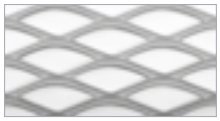
LS12 (Fe)

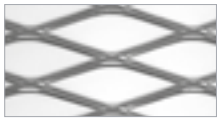

LS16 (Fe)

LD10 (Fe)

LD16 (Fe)

LD20 Rotterdam (Fe)
(Scale 1:2)


LD28 Moscow (Fe)
(Scale 1:2)


LD43 Paris (Fe)
(Scale 1:2)

PHYSICAL DATA

α_W = 0.55-1.00

Depends on Meshtype

Colours:
See page 152

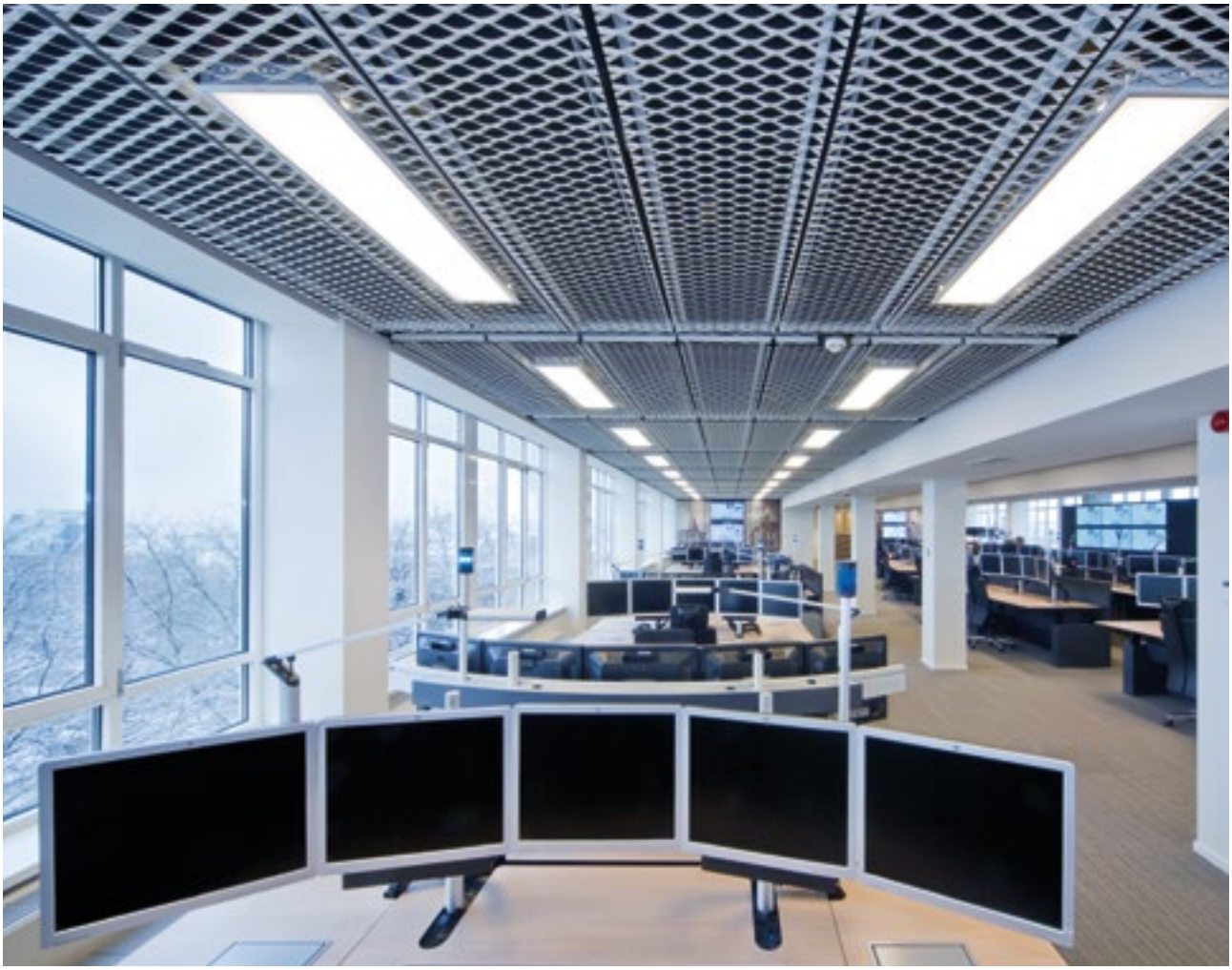
Varies with finish

Alu

Class B

BETA HOOK-ON SINGULAR - SPECIAL

STRETCH METAL



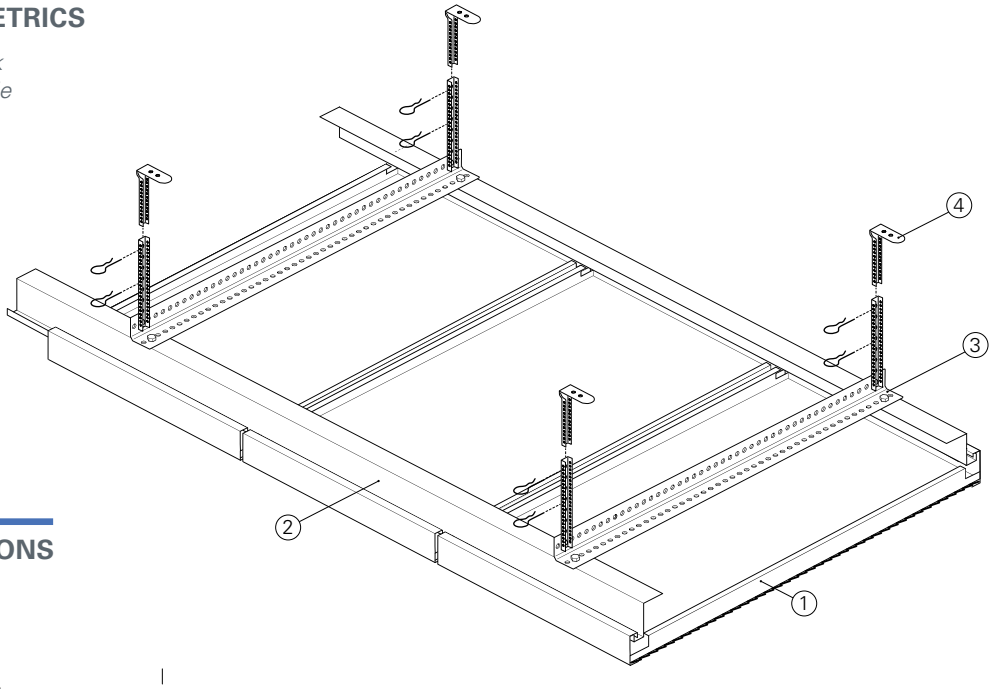
Project: RPAA, Control Room Police, Fire and Ambulance, Amsterdam, The Netherlands - Product: Stretch Metal Beta Hook-On Singular - Special - Architect: Architectenbureau De Twee Snoeken

KEY FEATURES

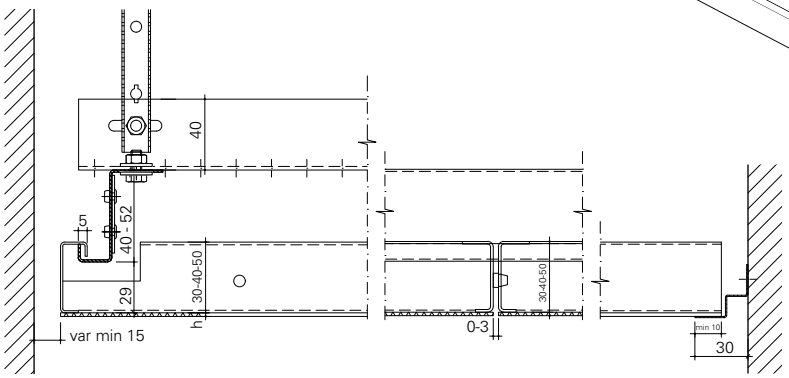
- Panel sizes:
  - with reinforcement maximum 600 x 2500 mm
- Square edge design
- Mesh panels with lay-on pads for acoustic control
- On site waste reduction with factory fabricated dimensional material
- Downweight: reduce static load with lightweight aluminium or steel
- Easy installation - no fasteners or tools required
- Hook-On feature allows point-access and 100% access to plenum
- Compatible with industry standard lighting, HVAC, speaker, fire safety and security services

TYPICAL ISOMETRICS

1 = Hook-On plank
2 = Hook-On profile
3 = Primary profile
4 = Suspension

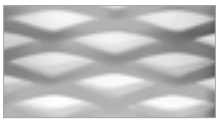


TYPICAL SECTIONS



MESH PATTERNS

Standard patterns shown. See page 346 for all perforation patterns.
Scale shown: 1:1, unless otherwise noted. See page 353 for acoustic information.



LD62 Dubai (Fe)
(Scale 1:4)

LD85 New York (Fe)*
(Scale 1:4)

** Panel width and length must be divisible by the mesh module*

PHYSICAL DATA

α_W = 0.55-1.00

Depends on Meshtype

Colours:
See page 152

Varies with finish

Alu

Class B

BETA HOOK-ON CONTINUOUS - FOLDED

STRETCH METAL

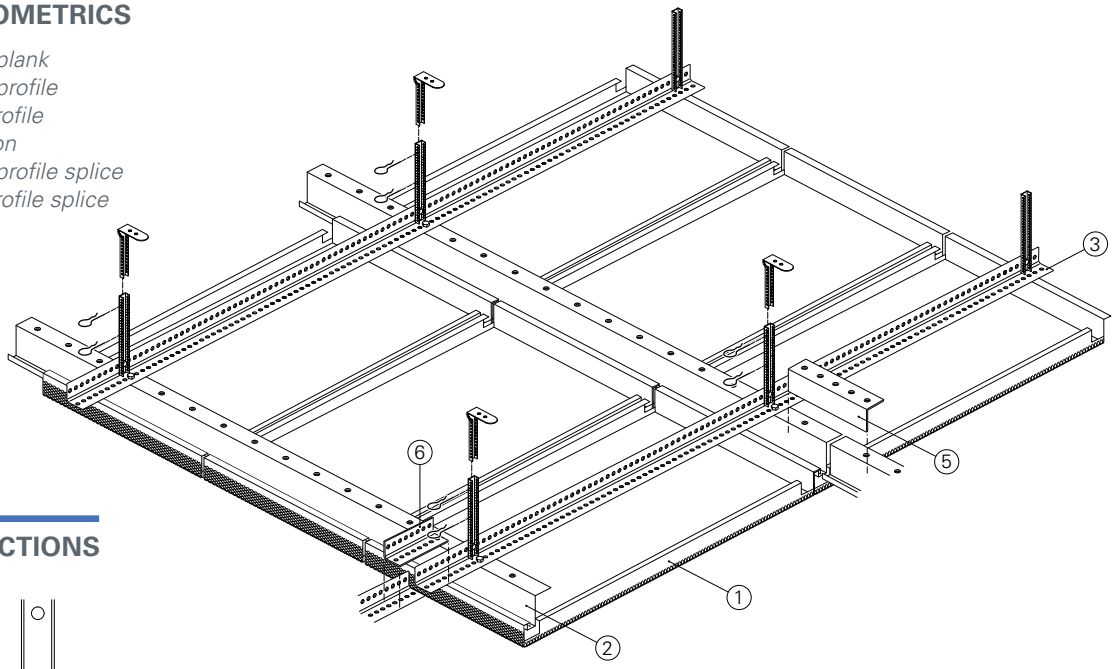
Project: Hotel de Ville, Montigny le Tilleul, Belgium - Product: Beta Hook-On Continuous - Folded - Architect: Bureau Bouwtechniek

KEY FEATURES

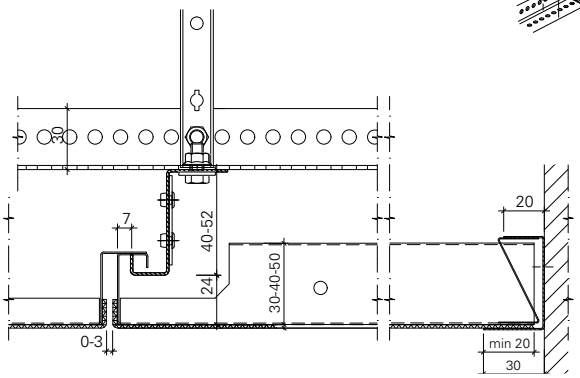
- Panel sizes:
  - with reinforcement maximum 600 x 2500 mm
- Square edge design
- Mesh panels with lay-on pads for acoustic control
- On site waste reduction with factory fabricated dimensional material
- Downweight: reduce static load with lightweight aluminium or steel
- Easy installation - no fasteners or tools required
- Compatible with industry standard lighting, HVAC, speaker, fire safety, and security services

TYPICAL ISOMETRICS

1 = Hook-On plank
2 = Hook-On profile
3 = Primary profile
4 = Suspension
5 = Hook-On profile splice
6 = Primary profile splice

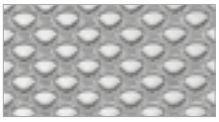


TYPICAL SECTIONS



MESH PATTERNS

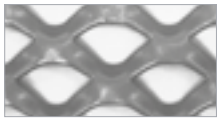
Standard patterns shown. See page 346 for all perforation patterns.
Scale shown: 1:1, unless otherwise noted. See page 353 for acoustic information.


LS6 (Fe)

LS8 (Fe)

LS10 (Fe)

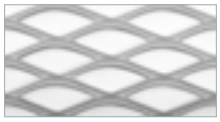
LS12 (Fe)


LS16 (Fe)

LD10 (Fe)

LD16 (Fe)

LD20 Rotterdam (Fe)
(Scale 1:2)


LD28 Moscow (Fe)
(Scale 1:2)

LD43 Paris (Fe)
(Scale 1:2)

PHYSICAL DATA

α_W = 0.55-1.00

Depends on Meshtype

Colours:
See page 152

Varies with finish

Alu

Class B

BETA HOOK-ON SAFETY-LOOP - FOLDED

STRETCH METAL

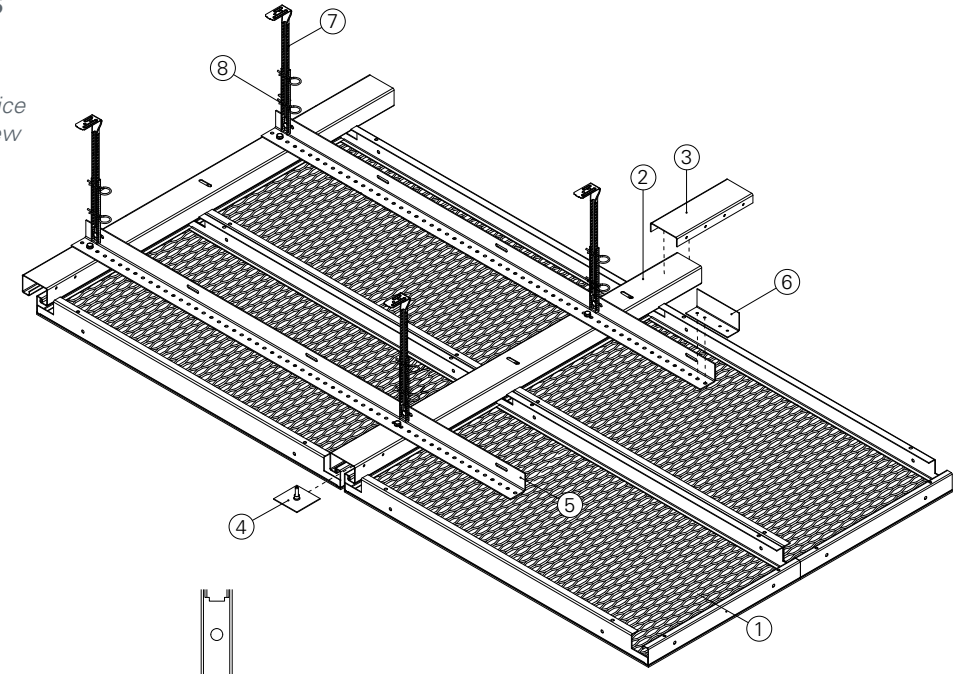
Project: Pepsi Arena Legia Football Stadium, Warsaw, Poland - Product: Stretch Metal Beta Hook-On Continuous - Folded - Architect: JSK

KEY FEATURES

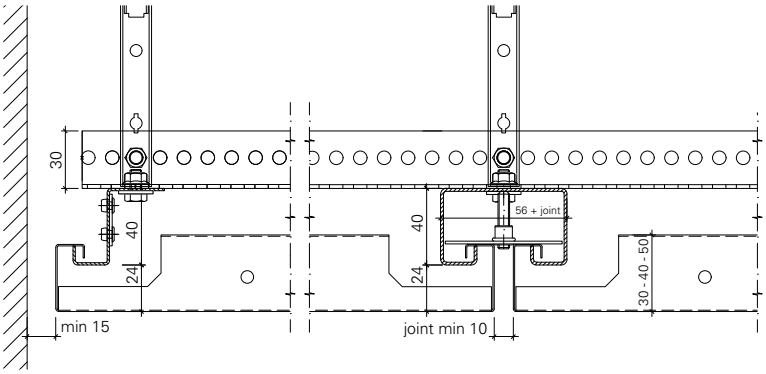
- Panel sizes:
  - with reinforcement maximum 600 x 2500 mm (depends on mesh type)
- Flat sheets with welded reinforcement profiles
- Mesh panels with lay-on pads for acoustic control
- On site waste reduction with factory fabricated dimensional material
- Downweight: reduce static load with lightweight aluminium or steel
- Easy plenum access
- Compatible with industry standard lighting, HVAC, speaker, fire safety, and security services

TYPICAL ISOMETRICS

1 = Hook-on plank
2 = Safety-Loop profile
3 = Safety-Loop profile splice
4 = Locking plate with screw
5 = Primary profile
6 = Primary profile splice
7 = Nonius hanger
8 = Suspension element



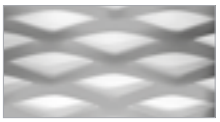
TYPICAL SECTIONS



MESH PATTERNS

Standard patterns shown. See page 346 for all perforation patterns.
Scale shown: 1:1, unless otherwise noted. See page 353 for acoustic information.

LD43 Paris (Fe)
(Scale 1:2)



LD62 Dubai (Fe)
(Scale 1:4)

LD85 New York (Fe)*
(Scale 1:4)

** Panel width and length must be divisible by the mesh module*

PHYSICAL DATA

α_W = 0.55-1.00

Depends on Meshtype

Colours:
See page 152

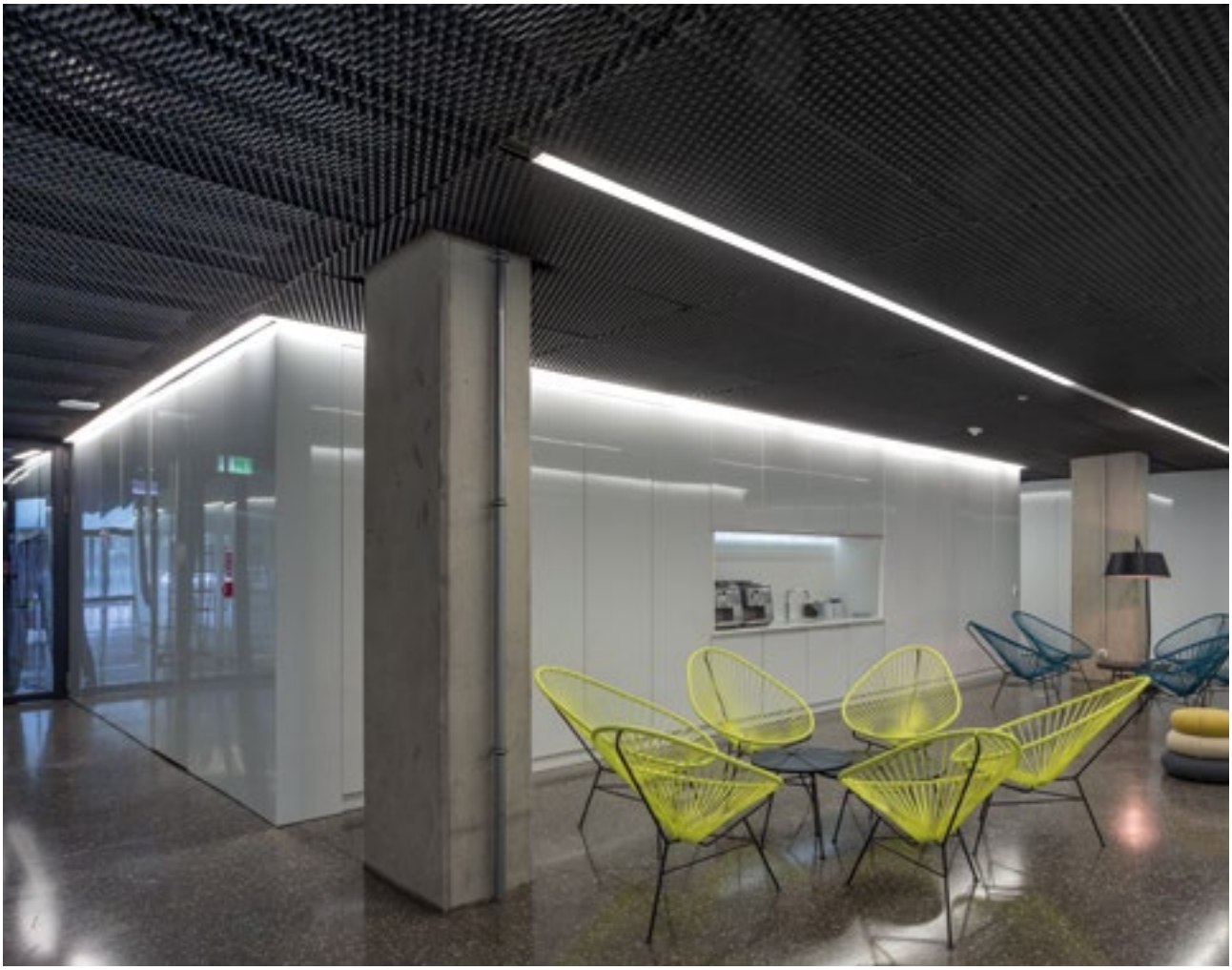
Varies with finish

Alu

Class B

BETA HOOK-ON SAFETY-LOOP - SPECIAL

STRETCH METAL



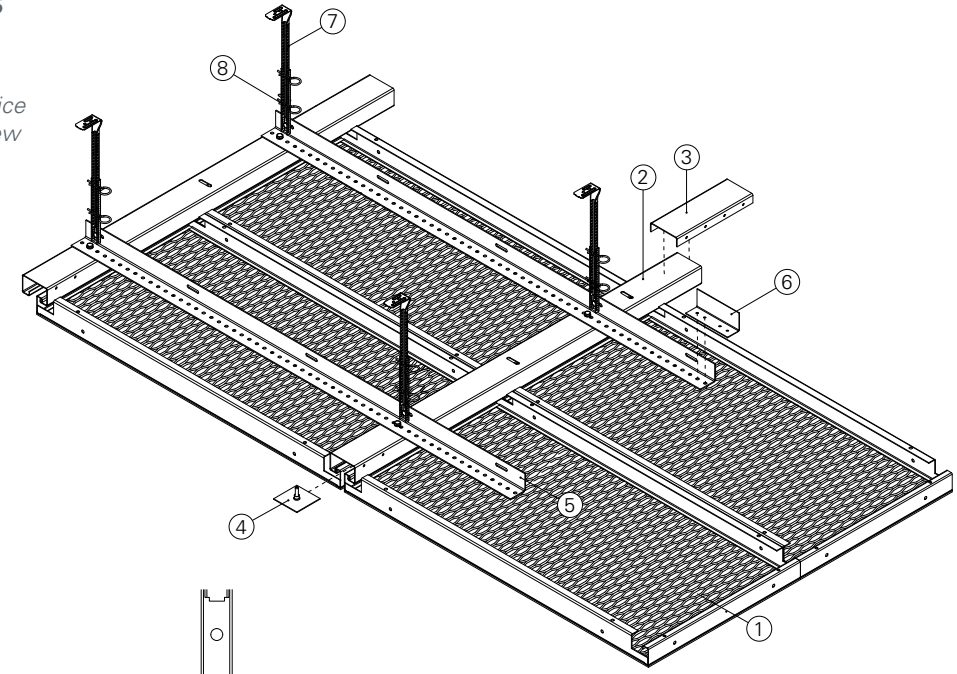
Project: Pixel, Poznan, Poland - Product: Stretch Metal Beta Hook-On Safety-Loop - Special - Architect: JEMS Architekci

KEY FEATURES

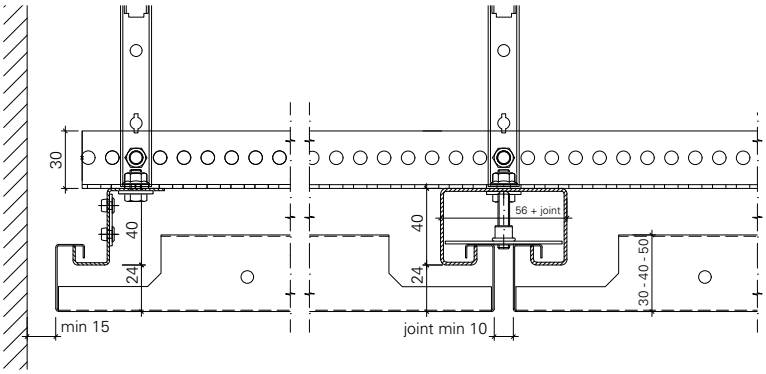
- Panel sizes:
  - with reinforcement maximum 680 x 2500 mm (depends on mesh type)
- Flat sheets with welded reinforcement profiles
- Mesh panels with lay-on pads for acoustic control
- On site waste reduction with factory fabricated dimensional material
- Downweight: reduce static load with lightweight aluminium or steel
- Easy plenum access
- Compatible with industry standard lighting, HVAC, speaker, fire safety, and security services

TYPICAL ISOMETRICS

1 = Hook-on plank
2 = Safety-Loop profile
3 = Safety-Loop profile splice
4 = Locking plate with screw
5 = Primary profile
6 = Primary profile splice
7 = Nonius hanger
8 = Suspension element

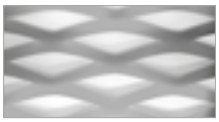


TYPICAL SECTIONS



MESH PATTERNS

Standard patterns shown. See page 346 for all perforation patterns.
Scale shown: 1:1, unless otherwise noted. See page 353 for acoustic information.

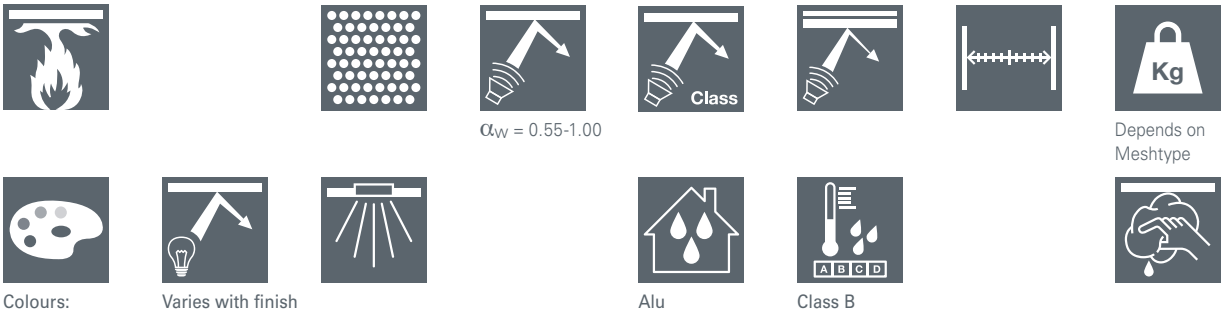


LD62 Dubai (Fe)
(Scale 1:4)

LD85 New York (Fe)*
(Scale 1:4)

** Panel width and length must be divisible by the mesh module*

PHYSICAL DATA



α_W = 0.55-1.00

Depends on Meshtype

Colours:
See page 152

Varies with finish

Alu

Class B

GAMMA LAY-ON
STRETCH METAL

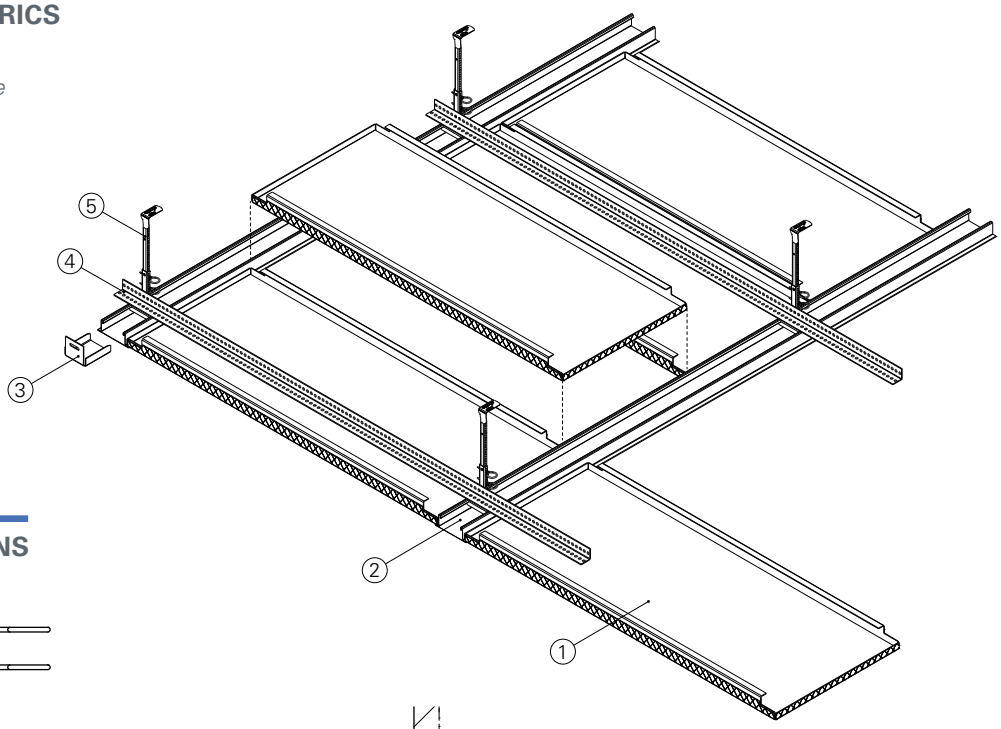
Project: Focus Park shopping mall network, Poland - Product: Stretch Metal Gamma (Lay-On) - Architect: MOFO

KEY FEATURES

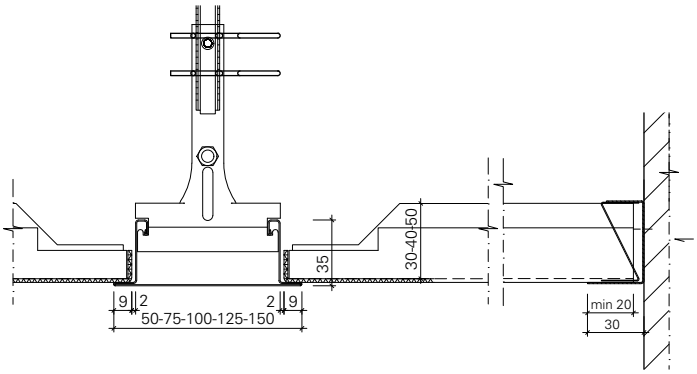
- Panel sizes:
  - without reinforcement maximum 600 x 1200 mm
  - with reinforcement maximum 600 x 2500 mm
- Square edge design
- Mesh panels with lay-on pads for acoustic control
- On site waste reduction with factory fabricated dimensional material
- Downweight: reduce static load with lightweight aluminium or steel
- Easy installation - no fasteners or tools required
- Compatible with industry standard lighting, HVAC, speaker, fire safety, and security services

TYPICAL ISOMETRICS

1 = Lay-On plank
2 = Bandraster profile
3 = Wall bracket
4 = Primary profile
5 = Nonius hanger

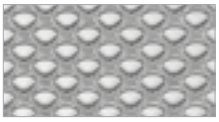


TYPICAL SECTIONS



MESH PATTERNS

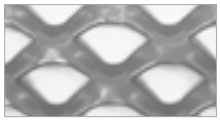
Standard patterns shown. See page 346 for all perforation patterns.
Scale shown: 1:1, unless otherwise noted. See page 353 for acoustic information.


LS6 (Fe)

LS8 (Fe)

LS10 (Fe)

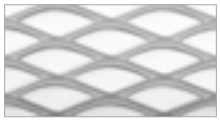
LS12 (Fe)


LS16 (Fe)

LD10 (Fe)

LD16 (Fe)

LD20 Rotterdam (Fe)
(Scale 1:2)


LD28 Moscow (Fe)
(Scale 1:2)

LD43 Paris (Fe)
(Scale 1:2)

PHYSICAL DATA

α_W = 0.55-1.00

Depends on Meshtype

Colours:
See page 152

Varies with finish

Alu

Class B

GAMMA CORRIDOR
STRETCH METAL

Project: Royal Wilanów office building, Warsaw, Poland - Product: Stretch Metal Gamma (Corridor) - Architect: JEMS Architekci

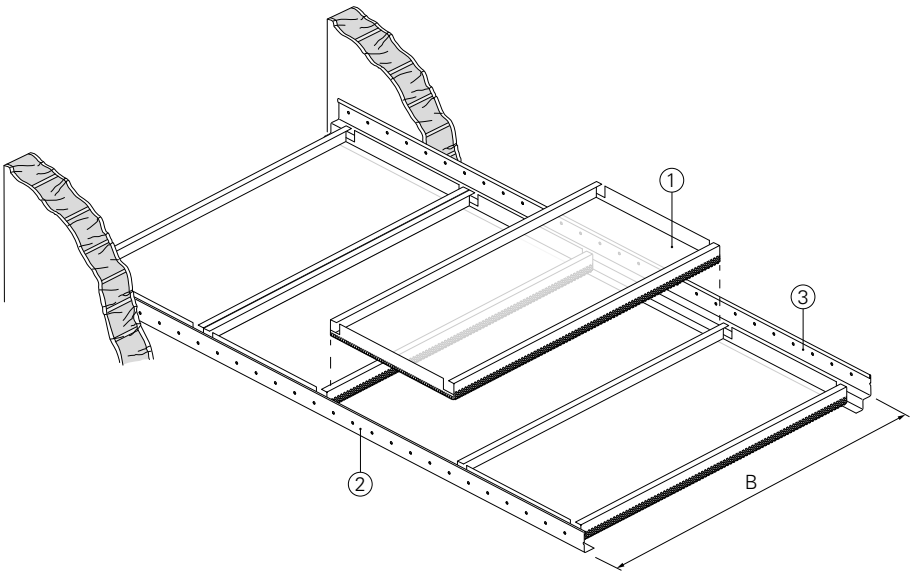
KEY FEATURES

- Panel sizes:
  - without reinforcement maximum 600 x 1200 mm
  - with reinforcement maximum 600 x 2500 mm
- Square edge design
- Mesh panels with lay-on pads for acoustic control
- On site waste reduction with factory fabricated dimensional material
- Downweight: reduce static load with lightweight aluminium or steel
- Easy installation - no fasteners or tools required
- Compatible with industry standard lighting, HVAC, speaker, fire safety, and security services

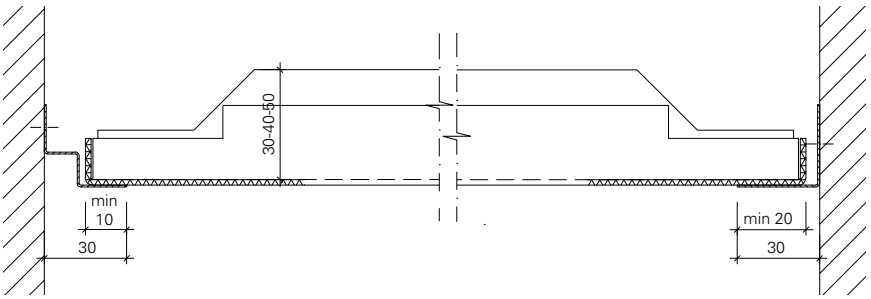
TYPICAL ISOMETRICS

1 = Lay-On plank
2 = Wall L-profile
3 = Wall W-profile

B = 1500/2800 mm (max.)

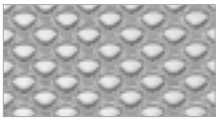


TYPICAL SECTIONS



MESH PATTERNS

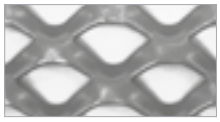
Standard patterns shown. See page 346 for all perforation patterns.
Scale shown: 1:1, unless otherwise noted. See page 353 for acoustic information.


LS6 (Fe)

LS8 (Fe)

LS10 (Fe)

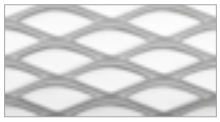
LS12 (Fe)


LS16 (Fe)

LD10 (Fe)

LD16 (Fe)

LD20 Rotterdam (Fe)
(Scale 1:2)


LD28 Moscow (Fe)
(Scale 1:2)

LD43 Paris (Fe)
(Scale 1:2)

PHYSICAL DATA

α_W = 0.55-1.00

Depends on Meshtype

Colours:
See page 152

Varies with finish

Alu

Class B

STRETCH METAL

COLOURS AND FINISHES

Hunter Douglas Architectural offers a wide choice of colours and finishes. Custom colour matching is available upon request. Please contact your local Hunter Douglas sales office for minimum quantities and lead times. See website for the most up to date information. Colours are for illustration purposes only.

STANDARD PAINT COLOURS

Signal White RAL 9003

Pure White RAL 9010

White Aluminium RAL 9006

Jet Black RAL 9005

CUSTOM COLOURS

Project: Microsoft Innovation Centre, Mons, Belgium - Product: Stretch Metal Gamma (Lay-On) - Architect: Reservoira Architectes sprl

WIDE PANEL

Project: Indianapolis Airport, USA - Product: Wide Panel 300C/300L (General) - Architect: AeroDesign Group and HOK

KEY FEATURES

- Panel width: 300 mm
- Panel length: 1000 - 6000 mm
- Bevelled edge design and square edge design
- On site waste reduction with factory fabricated dimensional material
- Easy plenum access
- Interior and exterior applications
- Compatible with industry standard lighting, HVAC, speaker, fire safety, and security services

TAIM

EPD

cradle to cradle CERTIFIED BRONZE

ISO 14001 SGS ISO 9001 SGS

Production by Hunter Douglas Ceiling Center

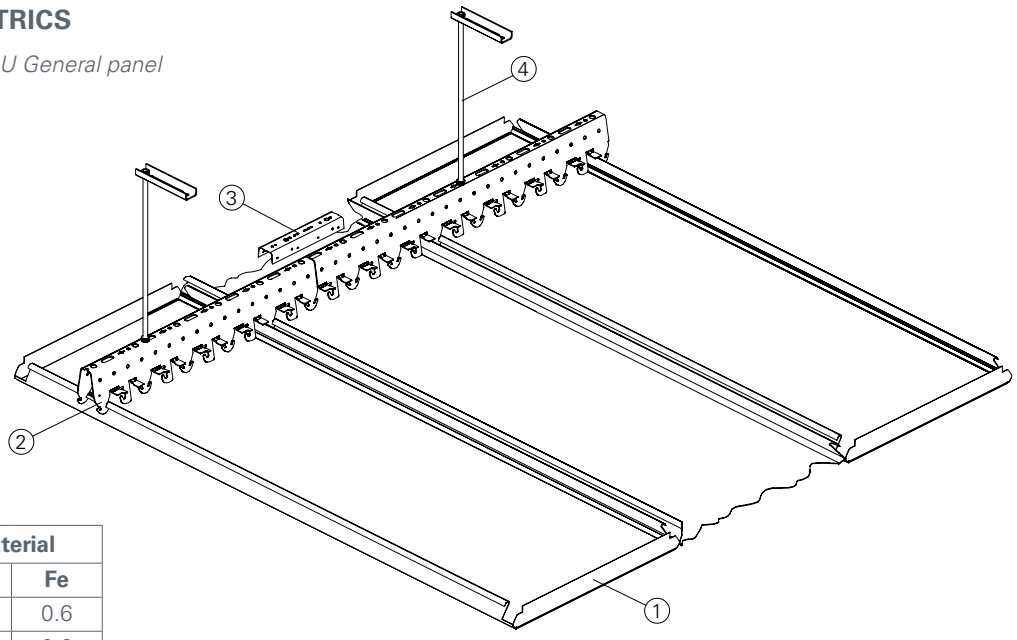
EN 13964
E1

A+ A B C
A+

Fe : 17%
Al : 90%

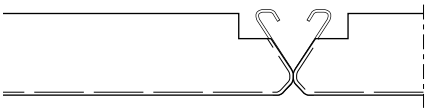
TYPICAL ISOMETRICS

1 = 300C/300L/300U General panel
2 = Carrier
3 = Carrier splice
4 = Hanger

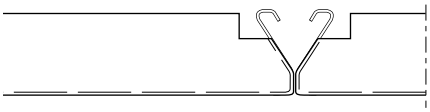


Panel type	Material	
	Al	Fe
300C	0.7	0.6
300L	0.7	0.6
300U	-	0.5

TYPICAL SECTIONS



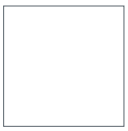
300C



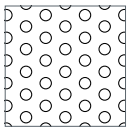
300L/300U

PERFORATION PATTERNS

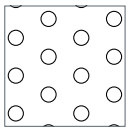
Standard patterns shown. See page 346 for all perforation patterns.
Scale shown: 1:1, unless otherwise noted. See page 353 for acoustic information.



Plain

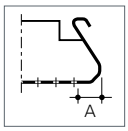


D1523
Ø 1.5 mm
⇳ 3 ⇿ 5.2
Openness 23%



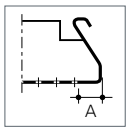
D2016
Ø 2 mm
⇳ 5 ⇿ 8.66
Openness 16%

(Scale 1:3)



Ø 1.5 / 2.0 mm
A = 8.5 mm
300C

(Scale 1:3)



Ø 1.5 / 2.0 mm
A = 8.5 mm
300L

PHYSICAL DATA

Plain: A2-s1,d0
Perf+NW: A2-s1,d0

D1522: α_w=0.75
D2016: α_w=0.75

Al: 2.93 kg/m²
Fe: 7.33 kg/m²

0280: 65%

Plain: Class C
Perf+NW: Class B

Perf+NW

Plain

OPTIONAL

Colours:
See page 162

Curved solutions:
See page 164

Exterior solutions:
See page 266

300C/300L/300U LAY-ON

WIDE PANEL

Project: Indianapolis Airport, USA - Product: Wide Panel 300C/300L (Lay-On) - Architect: AeroDesign Group and HOK

KEY FEATURES

- Panel width: 300 mm
- Panel length: 1000 - 2400 mm
- Bevelled edge design and square edge design
- On site waste reduction with factory fabricated dimensional material
- Easy plenum access
- Compatible with industry standard lighting, HVAC, speaker, fire safety, and security services

TAIM

EPD

cradle to cradle CERTIFIED BRONZE

ISO 14001 SGS ISO 9001 SGS

Production by Hunter Douglas Ceiling Center

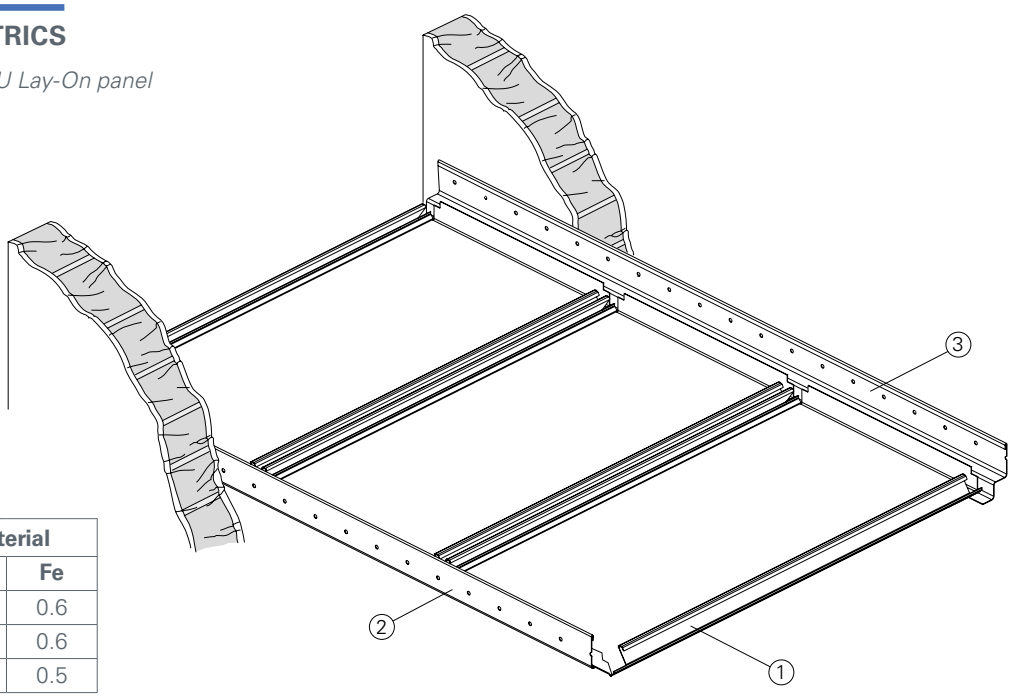
EN 13964
E1

A+
A+ A B C

Fe : 17%
Al : 90%

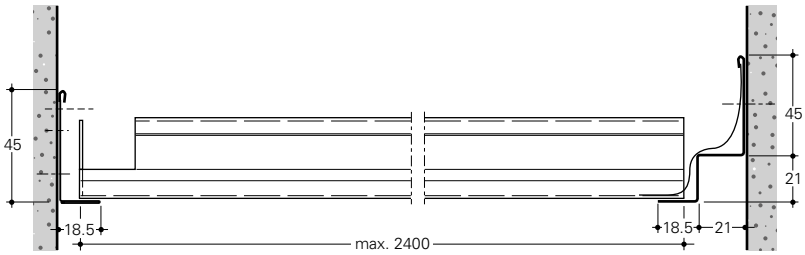
TYPICAL ISOMETRICS

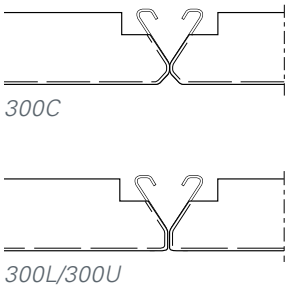
1 = 300C/300L/300U Lay-On panel
2 = Wall L-profile
3 = Wall W-profile



Panel type	Material	
	Al	Fe
300C	0.7	0.6
300L	0.7	0.6
300U	-	0.5

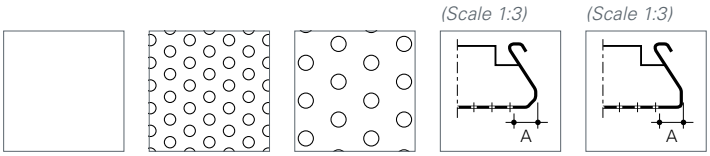
TYPICAL SECTIONS





PERFORATION PATTERNS

Standard patterns shown. See page 346 for all perforation patterns.
Scale shown: 1:1, unless otherwise noted. See page 353 for acoustic information.



Plain

D1523
Ø 1.5 mm
⇳ 3 ⇿ 5.2
Openness 23%

D2016
Ø 2 mm
⇳ 5 ⇿ 8.66
Openness 16%

(Scale 1:3)

Ø 1.5 / 2.0 mm
A = 8.5 mm
300C

(Scale 1:3)

Ø 1.5 / 2.0 mm
A = 8.5 mm
300L

PHYSICAL DATA

Plain: A2-s1,d0
Perf+NW: A2-s1,d0

D1522: α_W=0.75
D2016: α_W=0.75

Al: 2.93 kg/m²
Fe: 7.33 kg/m²

0280: 65%

Plain: Class C
Perf+NW: Class B

Perf+NW

Plain

OPTIONAL

Colours:
See page 162

300C/300L/300U BANDRASTER

WIDE PANEL

Project: La Plaine offices, Brussels, Belgium - Product: Wide Panel 300C/300L (Bandraster) - Architect: Bureau d'Architecture H. Montois sa L'Atelier sprl, Cerau sprl

KEY FEATURES

- Panel width: 300 mm
- Panel length: 1000 - 2400 mm
- Bevelled edge design and square edge design
- On site waste reduction with factory fabricated dimensional material
- Easy plenum access
- Compatible with industry standard lighting, HVAC, speaker, fire safety, and security services

TAIM

EPD

cradle to cradle CERTIFIED BRONZE

ISO 14001 SGS ISO 9001 SGS

Production by Hunter Douglas Ceiling Center

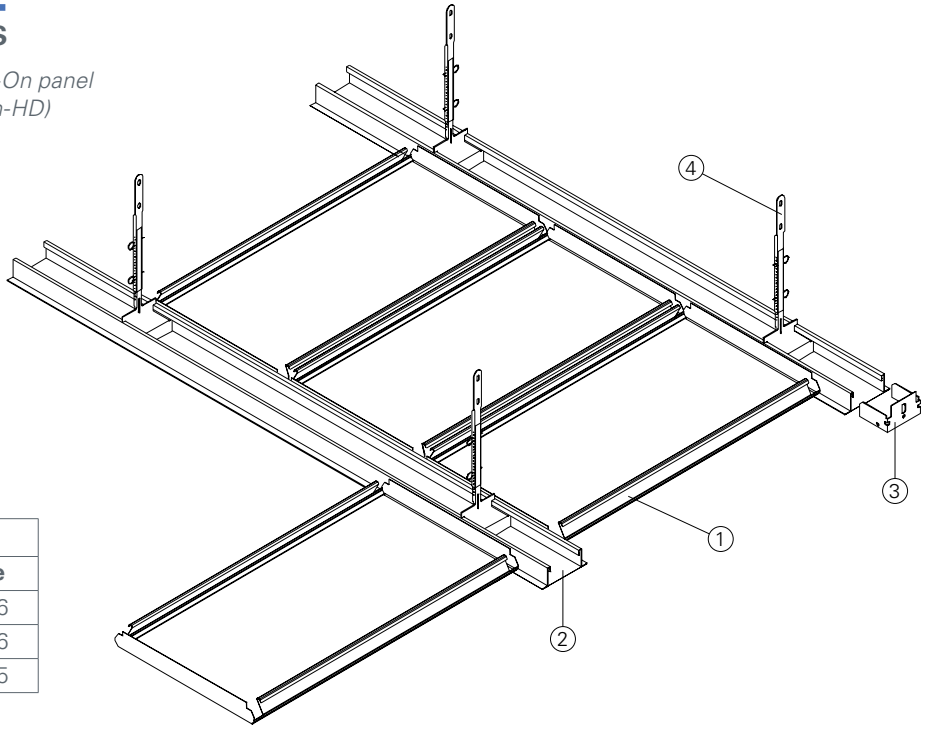
EN 13964
E1

A+
A+ A B C

Fe : 17%
Al : 90%

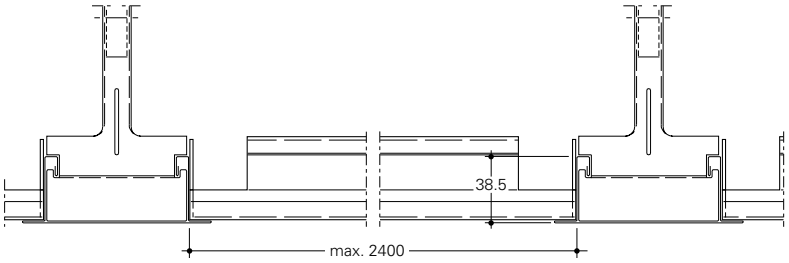
TYPICAL ISOMETRICS

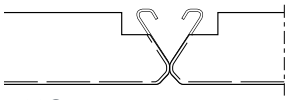
1 = 300C/300L/300U Lay-On panel
2 = Bandraster profile (non-HD)
3 = Wall bracket (non-HD)
4 = Suspension (non-HD)



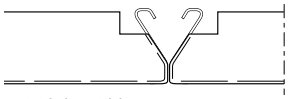
Panel type	Material	
	Al	Fe
300C	0.7	0.6
300L	0.7	0.6
300U	-	0.5

TYPICAL SECTIONS





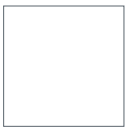
300C



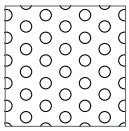
300L/300U

PERFORATION PATTERNS

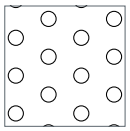
Standard patterns shown. See page 346 for all perforation patterns.
Scale shown: 1:1, unless otherwise noted. See page 353 for acoustic information.



Plain

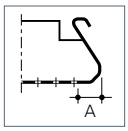


D1523
Ø 1.5 mm
⇳ 3 ⇔ 5.2
Openness 23%



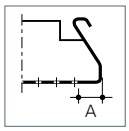
D2016
Ø 2 mm
⇳ 5 ⇔ 8.66
Openness 16%

(Scale 1:3)



Ø 1.5 / 2.0 mm
A = 8.5 mm
300C

(Scale 1:3)



Ø 1.5 / 2.0 mm
A = 8.5 mm
300L

PHYSICAL DATA

Plain: A2-s1,d0
Perf+NW: A2-s1,d0

D1522: α_W=0.75
D2016: α_W=0.75

Al: 2.93 kg/m²
Fe: 7.33 kg/m²

0280: 65%

Plain: Class C
Perf+NW: Class B

Perf+NW

Plain

OPTIONAL

Colours:
See page 162

300C/300L C-GRID
WIDE PANEL

Project: Tasson dor, Vorst, Belgium - Product: Wide Panel 300C - Architect: B Hemeleers sprl

KEY FEATURES

- Panel width: 300 mm
- Panel length: 1000 - 2400 mm
- Bevelled edge design and square edge design
- On site waste reduction with factory fabricated dimensional material
- Easy plenum access
- Compatible with industry standard lighting, HVAC, speaker, fire safety, and security services

TAIM

EPD

cradle to cradle CERTIFIED BRONZE

ISO 14001 SGS ISO 9001 SGS

Production by Hunter Douglas Ceiling Center

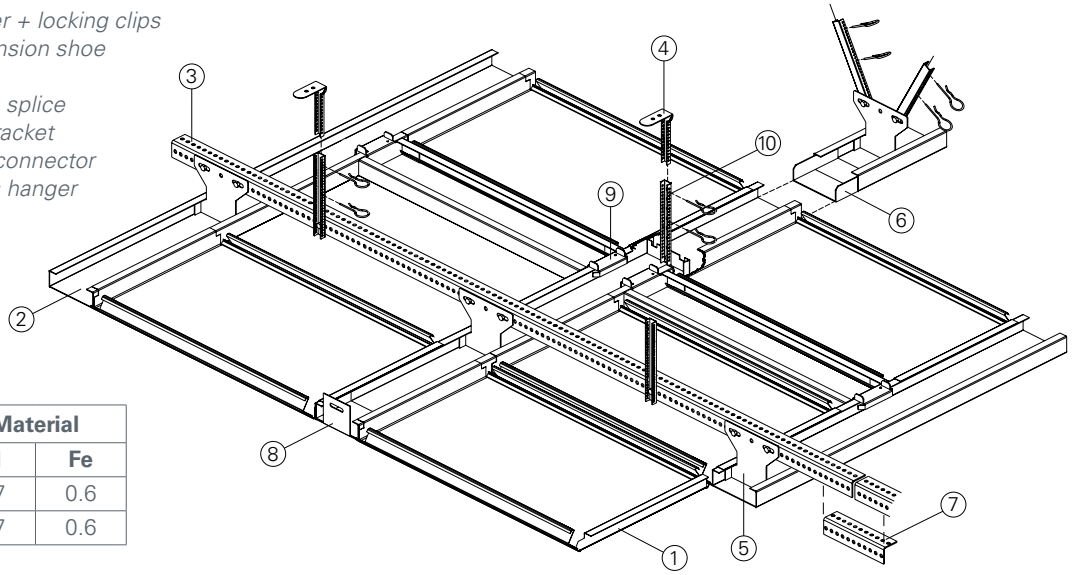
EN 13964
E1

A+ A B C
A+

Fe : 17%
Al : 90%

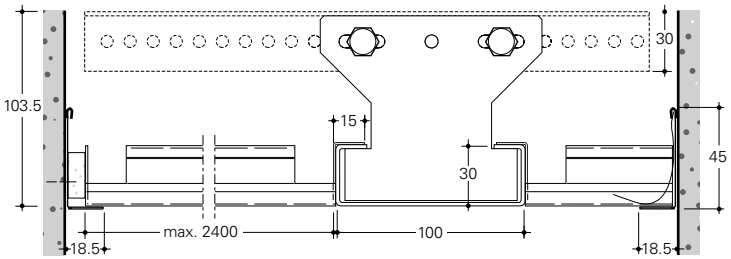
TYPICAL ISOMETRICS

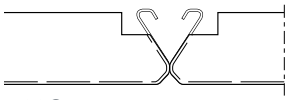
1 = 300C/300L C-Grid panel
2 = C-Grid profile
3 = Primary angle
4 = Nonius hanger + locking clips
5 = C-Grid suspension shoe
6 = C-Grid splice
7 = Primary angle splice
8 = C-Grid wall bracket
9 = C-Grid cross connector
10 = C-Grid nonius hanger



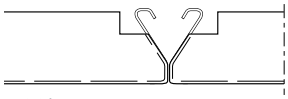
Panel type	Material	
	Al	Fe
300C	0.7	0.6
300L	0.7	0.6

TYPICAL SECTIONS





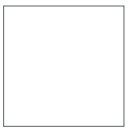
300C



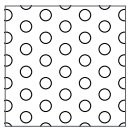
300L

PERFORATION PATTERNS

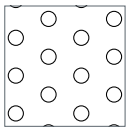
Standard patterns shown. See page 346 for all perforation patterns.
Scale shown: 1:1, unless otherwise noted. See page 353 for acoustic information.



Plain

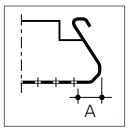


D1523
Ø 1.5 mm
⇳ 3 ⇔ 5.2
Openness 23%



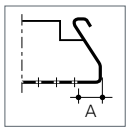
D2016
Ø 2 mm
⇳ 5 ⇔ 8.66
Openness 16%

(Scale 1:3)



Ø 1.5 / 2.0 mm
A = 8.5 mm
300C

(Scale 1:3)



Ø 1.5 / 2.0 mm
A = 8.5 mm
300L

PHYSICAL DATA

Plain: A2-s1,d0
Perf+NW: A2-s1,d0

D1522: α_w=0.75
D2016: α_w=0.75

Al: 2.93 kg/m²
Fe: 7.33 kg/m²

0280: 65%

Plain: Class C
Perf+NW: Class B

Perf+NW

Plain

OPTIONAL

Colours:
See page 162

COLOURS AND FINISHES

Hunter Douglas Architectural offers a wide choice of colours and finishes. Custom colour matching is available upon request. Please contact your local Hunter Douglas sales office for minimum quantities and lead times. See website for the most up to date information. Colours are for illustration purposes only.

300C/300L IN AL

COOL WHITES

0106
±RAL 9016

0181
±RAL 9003

NATURE TONES

1585

4648

1883
±RAL 9011

WARM WHITES

0280
±RAL 9010

METALS

7163

7007

7178

CUSTOM COLOURS

300C/300L/300U IN FE

0280
±RAL 9010

7163

Project: Gdansk Lech Walesa Airport, Gdansk, Poland - Product: Wide Panel 300C - Architect: JSK Architekci Sp z oo

CURVED 300C
WIDE PANEL

Project: Al Khoory Automobiles Subaru, Madrid, Spain - Product: Curved 300C - Architect: Al Baha Consultants

KEY FEATURES

- Panel width: 300 mm
- Panel length: 1000 - 6000 mm
- Minimum radius for all shapes 1000 mm
- Panels in concave, convex or S-shape
- On site waste reduction with factory fabricated dimensional material
- Easy plenum access
- Compatible with industry standard lighting, HVAC, speaker, fire safety, and security services

TAIM

EPD

cradle to cradle CERTIFIED BRONZE

ISO 14001 SGS ISO 9001 SGS

Production by Hunter Douglas Ceiling Center

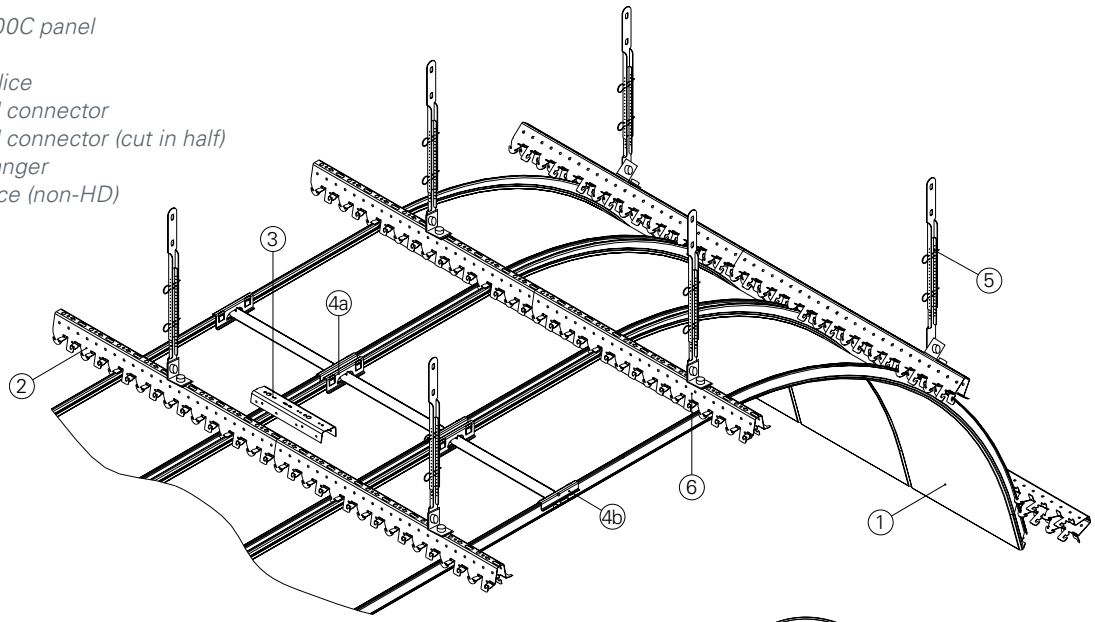
EN 13964
E1

A+
A+ A B C

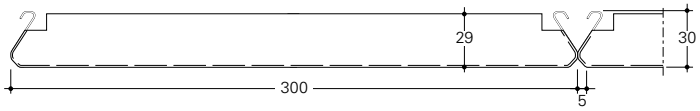
Fe : 17%
Al : 90%

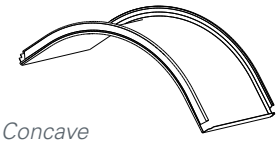
TYPICAL ISOMETRICS

1 = Curved 300C panel
2 = Carrier
3 = Carrier splice
4a = Panel end connector
4b = Panel end connector (cut in half)
5 = Nonius hanger
6 = Fixing piece (non-HD)

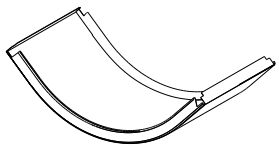


TYPICAL SECTIONS





Concave

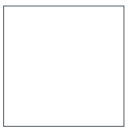


Convex

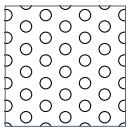
PERFORATION PATTERNS

Standard patterns shown. See page 346 for all perforation patterns.
Scale shown: 1:1, unless otherwise noted. See page 353 for acoustic information.

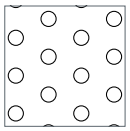
(Scale 1:3)



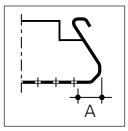
Plain



D1523
Ø 1.5 mm
⇳ 3 ⇿ 5.2
Openness 23%



D2016
Ø 2 mm
⇳ 5 ⇿ 8.66
Openness 16%



Ø 1.5 / 2.0 mm
A = 8.5 mm
300C

PHYSICAL DATA

Plain: A2-s1,d0
Perf+NW: A2-s1,d0

D1523 : α_W=0.75
D2016 : α_W=0.75

Al: 2.9 kg/m²
Fe: 7.3 kg/m²

0280: 65%

Plain: Class C
Perf+NW: Class B

Perf+NW

Plain

OPTIONAL

Colours:
See page 166

COLOURS AND FINISHES

Hunter Douglas Architectural offers a wide choice of colours and finishes. Custom colour matching is available upon request. Please contact your local Hunter Douglas sales office for minimum quantities and lead times. See website for the most up to date information. Colours are for illustration purposes only.

300C/300L IN AL

COOL WHITES

0106
±RAL 9016

0181
±RAL 9003

NATURE TONES

1585

4648

1883
±RAL 9011

WARM WHITES

0280
±RAL 9010

METALS

7163

7007

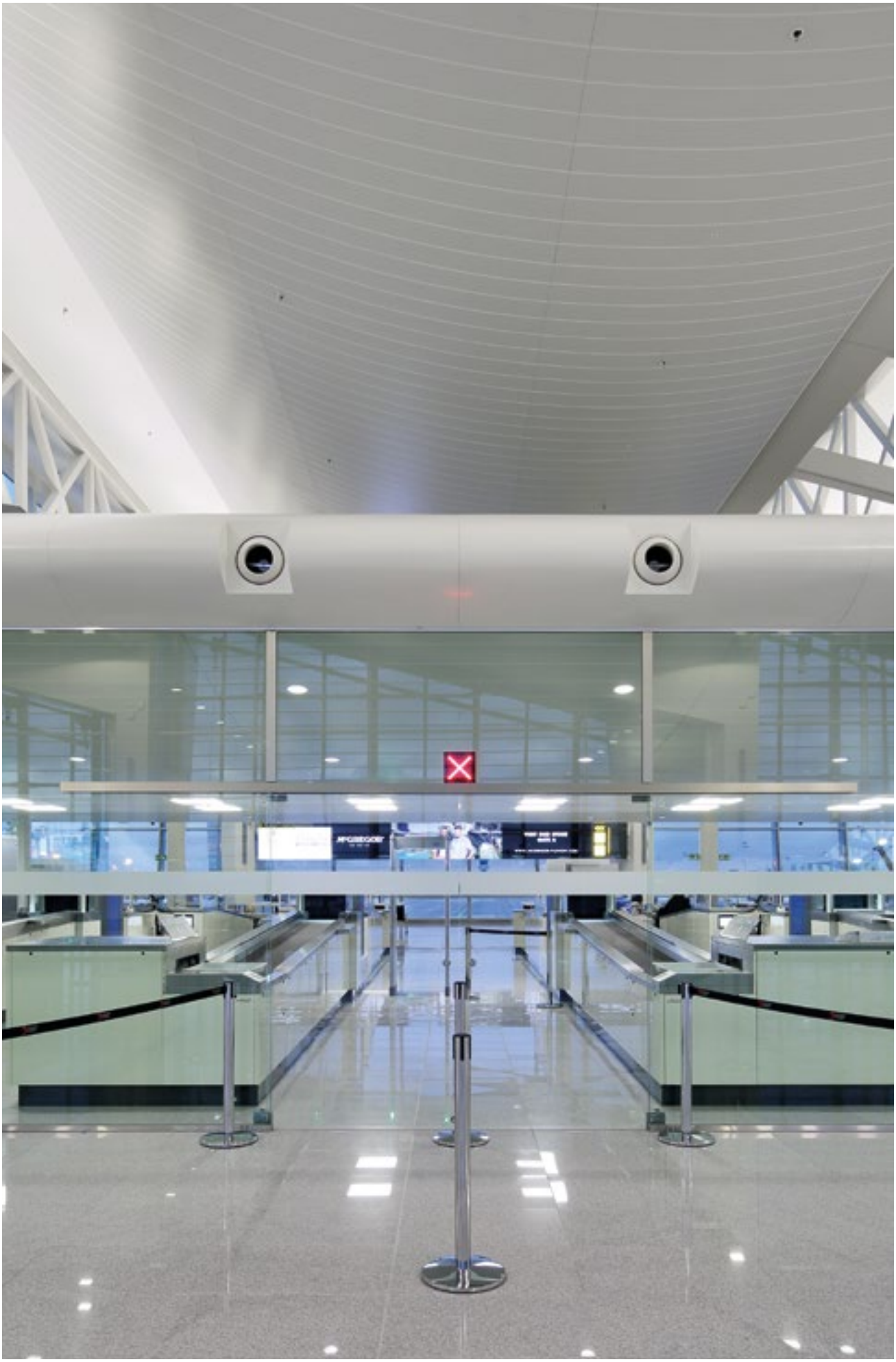
7178

CUSTOM COLOURS

300C/300L/300U IN FE

0280
±RAL 9010

7163



Project: Brussels Airport Connector, Zaventem, Belgium - Product: Curved 300C - Architect: Joint Venture CTHM

Project: Centre Commercial Westfield Part Dieu Lyon, France - Product: Tavola™ Baffles - Architect: Saguez & Partners

KEY FEATURES

- Profile lengths up to 4000 mm, on request up to 6000 mm
- Profile heights: standard 100 - 150 - 200 mm, other heights on request
- Profile widths: 30, 40 and 50 mm
- Carrier length: standard 5000 mm
- On site waste reduction with factory fabricated dimensional material
- Standard from pre-painted steel strip, on request also available in aluminium
- Easy plenum access

TAIM

EPD

cradle to cradle CERTIFIED BRONZE

ISO 14001 SGS ISO 9001 SGS

Production by Hunter Douglas Ceiling Center

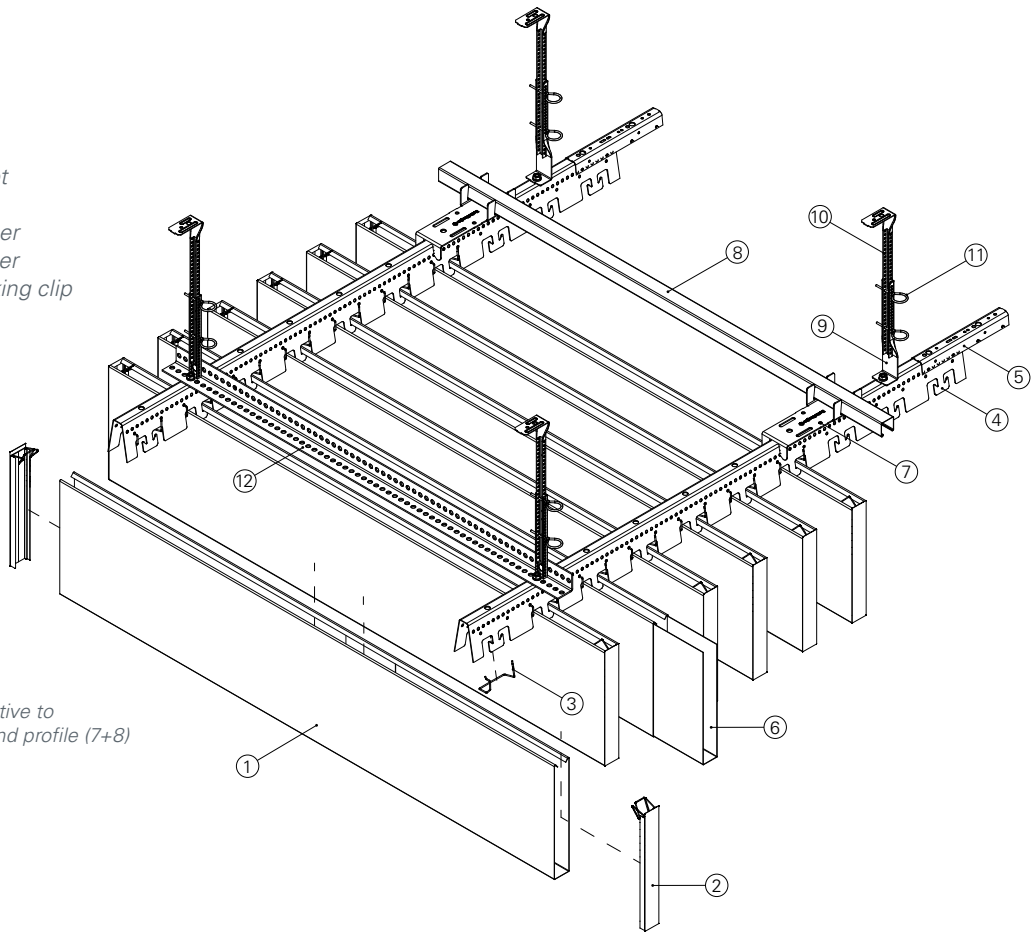
EN 13964
E1

A

Fe : 17%
Al : 90%

TYPICAL ISOMETRICS

1 = Tavola™ Baffle
2 = End cap
3 = Locking spring
4 = Carrier
5 = Carrier splice
6 = Baffle splice
7 = Stabilisation bracket
8 = Stabilisation profile
9 = Lower nonius hanger
10 = Upper nonius hanger
11 = Nonius hanger locking clip
*12 = Primary profile**

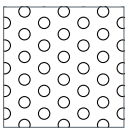


** Can be used as an alternative to the stabilisation bracket and profile (7+8)*

Maximum spans primary and secondary grid 1200 mm
Maximum cantilevers 300 mm

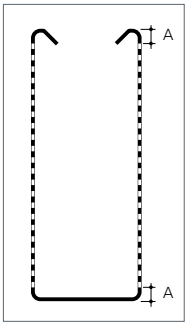
PERFORATION PATTERNS

Standard patterns shown. See page 346 for all perforation patterns.
Scale shown: 1:1, unless otherwise noted. See page 353 - 354 for acoustic information.



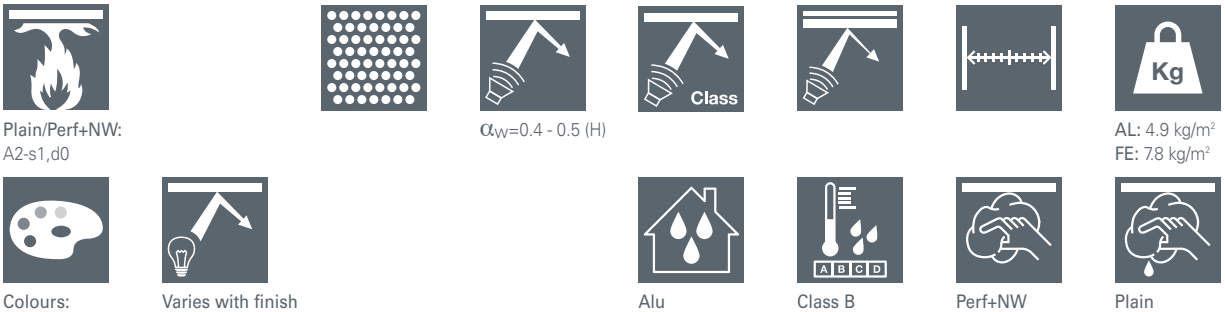
D1523
Ø 1.5 mm
⇳ 3 ⇔ 5,2
Openness 23%

Standard Perforation



A = 10 mm

PHYSICAL DATA



Plain/Perf+NW:
A2-s1,d0

α_W=0.4 - 0.5 (H)

AL: 4.9 kg/m²
FE: 7.8 kg/m²

Colours:
See page 176

Varies with finish
RAL9010: LR = 0.81

Alu

Class B

Perf+NW

Plain

Project: Visualisation - Product: Tavola™ Levels

KEY FEATURES

- Profile lengths up to 4000 mm, on request up to 6000 mm
- Profile heights: standard 100 - 150 - 200 mm, other heights on request
- Profile widths: 30, 40 and 50 mm
- Carrier length: standard 5000 mm
- On site waste reduction with factory fabricated dimensional material
- Standard from pre-painted steel strip, on request also available in aluminium
- Easy plenum access

TAIM

EPD

cradle to cradle CERTIFIED BRONZE

ISO 14001 SGS ISO 9001 SGS

Production by Hunter Douglas Ceiling Center

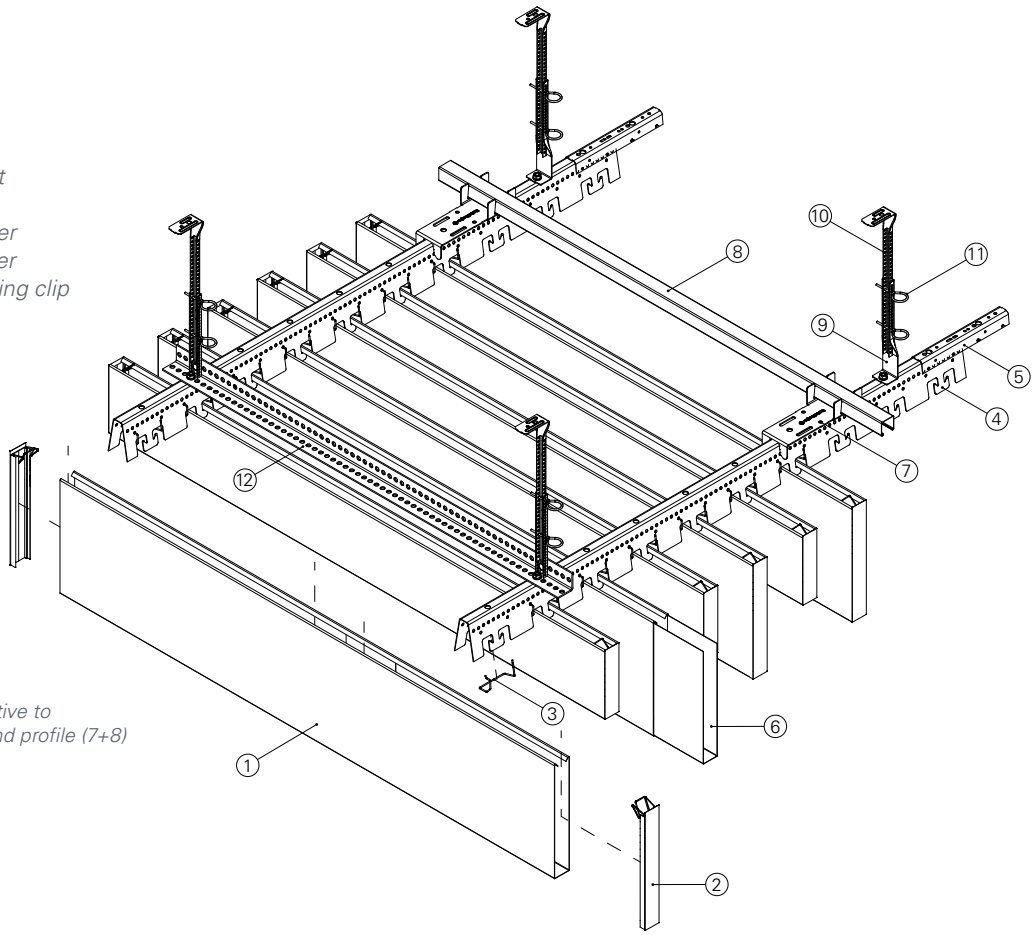
EN 13964
E1

A

Fe : 17%
Al : 90%

TYPICAL ISOMETRICS

1 = Tavola™ Baffle
2 = End cap
3 = Locking spring
4 = Carrier
5 = Carrier splice
6 = Baffle splice
7 = Stabilisation bracket
8 = Stabilisation profile
9 = Lower nonius hanger
10 = Upper nonius hanger
11 = Nonius hanger locking clip
*12 = Primary profile**

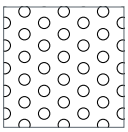


** Can be used as an alternative to the stabilisation bracket and profile (7+8)*

Maximum spans primary and secondary grid 1200 mm
Maximum cantilevers 300 mm

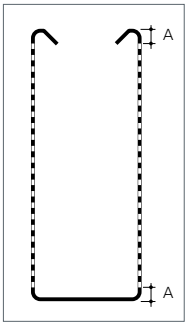
PERFORATION PATTERNS

Standard patterns shown. See page 346 for all perforation patterns.
Scale shown: 1:1, unless otherwise noted. See page 353 - 354 for acoustic information.



D1523
Ø 1.5 mm
⇳ 3 ⇔ 5,2
Openness 23%

Standard Perforation



A = 10 mm

PHYSICAL DATA

Plain/Perf+NW:
A2-s1,d0

α_W=0.4 - 0.5 (H)

AL: 4.9 kg/m²
FE: 7.8 kg/m²

Colours:
See page 176

Varies with finish
RAL9010: LR = 0.81

Alu

Class B

Perf+NW

Plain

Project: Booking.com, Orlando, FL, USA - Product: Baffles Tavola™ Divergent - Architect: HOK

KEY FEATURES

- Profile lengths up to 4000 mm, on request up to 6000 mm
- Profile heights: standard 100 - 150 - 200 mm, other heights on request
- Profile widths: 30, 40 and 50 mm
- Carrier length: standard 2990 mm
- On site waste reduction with factory fabricated dimensional material
- Standard from pre-painted steel strip, on request also available in aluminium
- Easy plenum access

TAIM

EPD

cradle to cradle CERTIFIED BRONZE

ISO 14001 SGS ISO 9001 SGS

Production by Hunter Douglas Ceiling Center

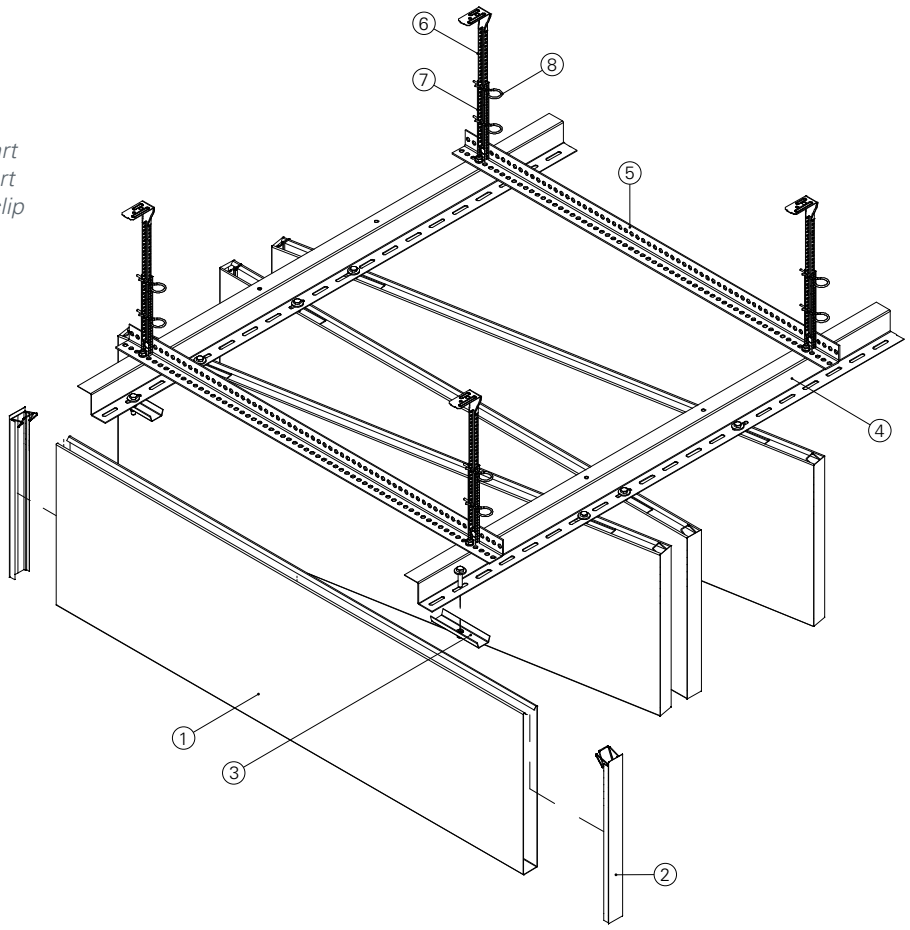
EN 13964
E1

A

Fe : 17%
Al : 90%

TYPICAL ISOMETRICS

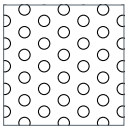
1 = Tavola™ Baffle
2 = End cap
3 = Fixing plate
4 = Carrier
5 = Primary grid
6 = Nonius hanger upper part
7 = Nonius hanger lower part
8 = Nonius hanger locking clip



Maximum spans primary and secondary grid 1200 mm
Maximum cantilevers 300 mm

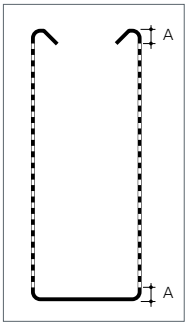
PERFORATION PATTERNS

Standard patterns shown. See page 346 for all perforation patterns.
Scale shown: 1:1, unless otherwise noted. See page 353 - 354 for acoustic information.



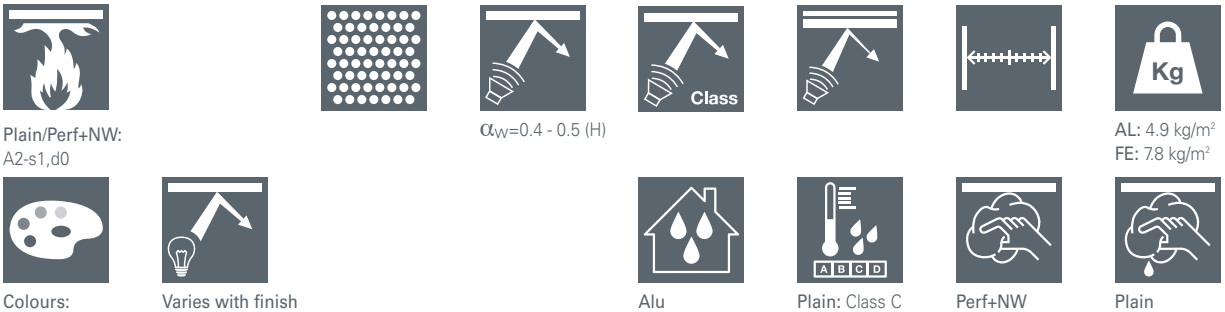
D1523
Ø 1.5 mm
⇳ 3 ⇔ 5,2
Openness 23%

Standard Perforation



A = 10 mm

PHYSICAL DATA



Plain/Perf+NW:
A2-s1,d0

α_w=0.4 - 0.5 (H)

AL: 4.9 kg/m²
FE: 7.8 kg/m²

Colours:
See page 176

Varies with finish
RAL9010: LR = 0.81

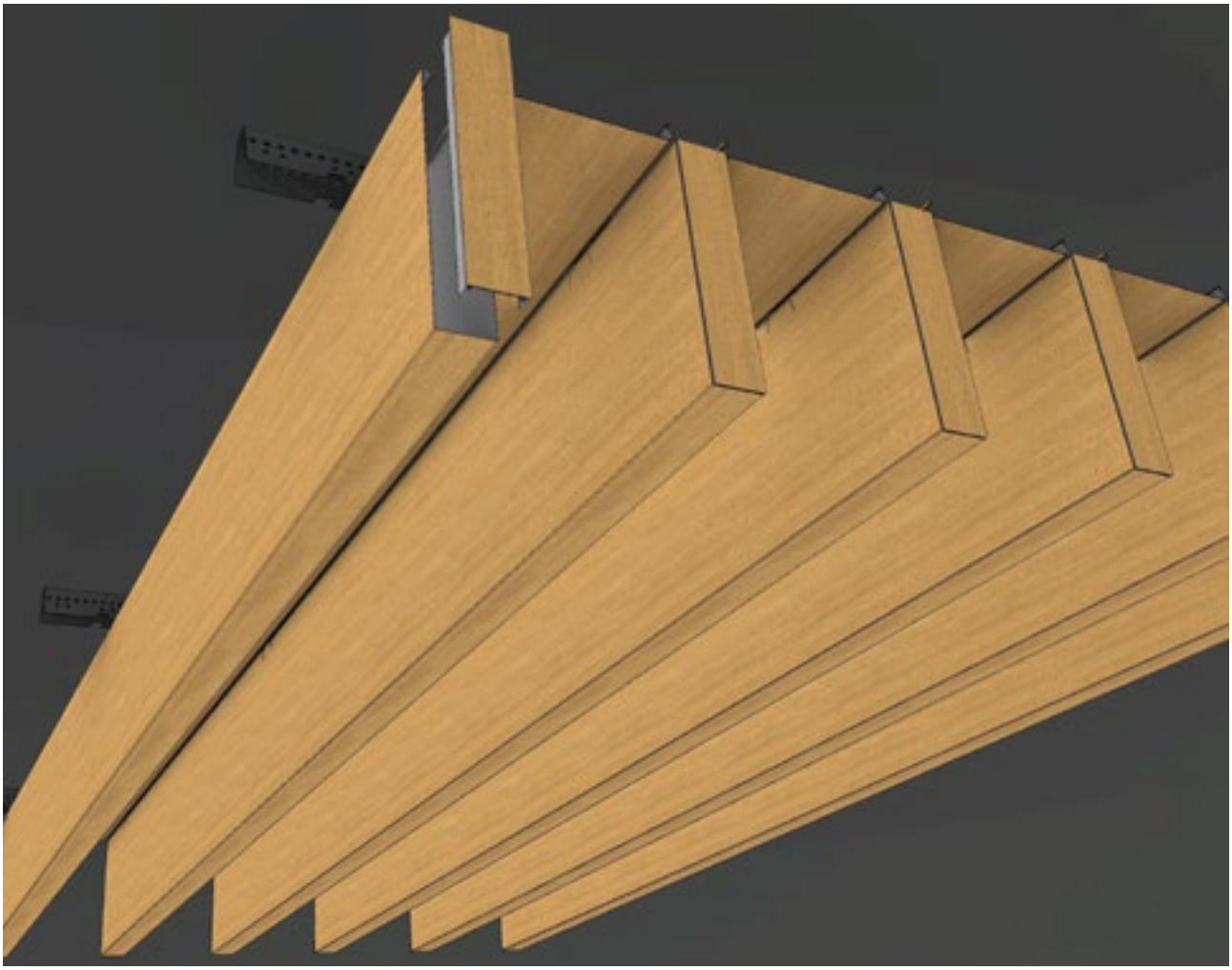
Alu

Plain: Class C
Perf+NW: Class B

Perf+NW

Plain

TAVOLA™ 40-150C
BAFFLES



KEY FEATURES

- Baffle lengths up to 4000 mm, on request up to 6000 mm
- Baffle width: 40 mm
- Baffle heights: standard 100 - 150 - 200 mm, other heights on request
- Plenum closed with 150C panel, resulting in a modulation of 190 mm
- Carrier length: standard 5000 mm
- On site waste reduction with factory fabricated dimensional material
- Standard from pre-painted steel strip
- Easy plenum access

TAIM

EPD

cradle to cradle CERTIFIED BRONZE

ISO 14001 SGS ISO 9001 SGS

Production by Hunter Douglas Ceiling Center

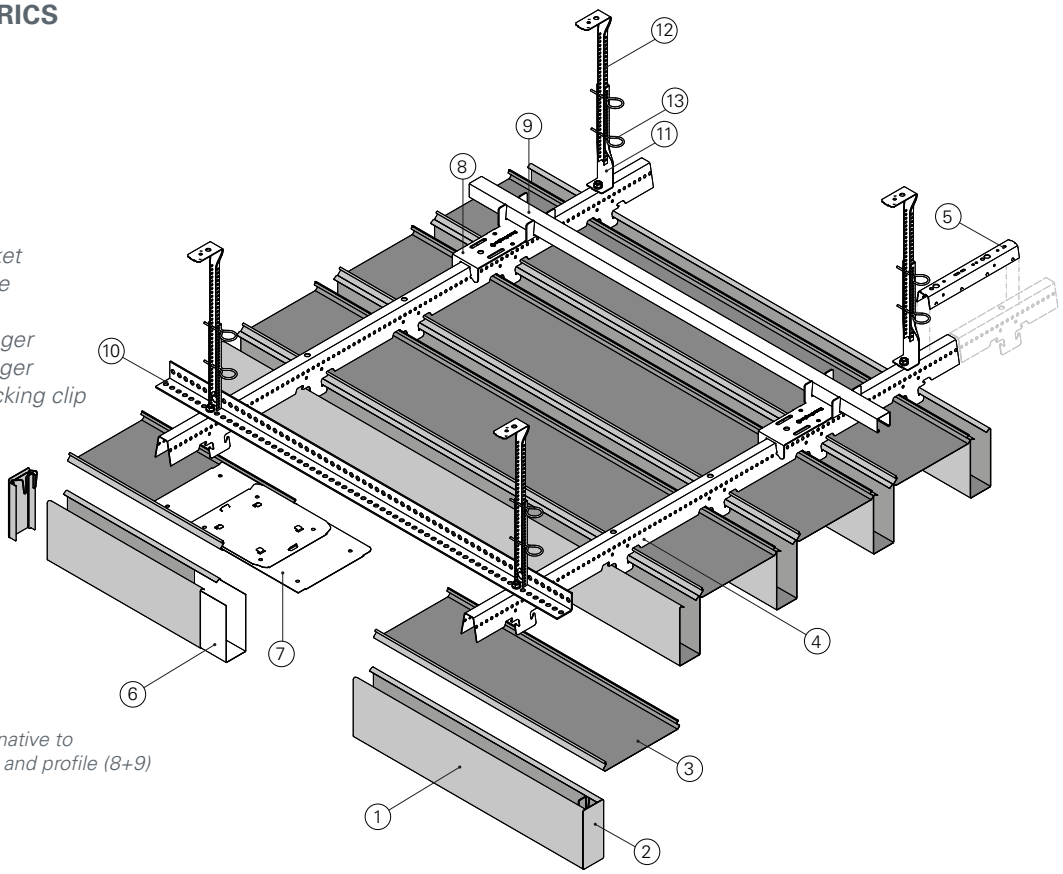
EN 13964
E1

A+ A B C
A

Fe : 17%
Al : 90%

TYPICAL ISOMETRICS

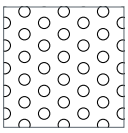
1 = Tavola™ Baffle
2 = End cap
3 = 150C panel
4 = Carrier
5 = Carrier splice
6 = Baffle splice
7 = Panel splice
8 = Stabilisation bracket
9 = Stabilisation profile
*10 = Primary profile**
11 = Lower nonius hanger
12 = Upper nonius hanger
13 = Nonius hanger locking clip



** Can be used as an alternative to the stabilisation bracket and profile (8+9)*

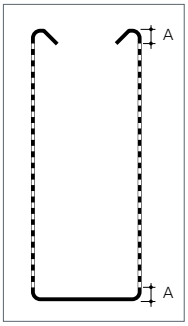
PERFORATION PATTERNS

Standard patterns shown. See page 346 for all perforation patterns.
Scale shown: 1:1, unless otherwise noted. See page 353 - 354 for acoustic information.



D1523
Ø 1.5 mm
⇳ 3 ⇔ 5,2
Openness 23%

Standard Perforation



A = 10 mm

PHYSICAL DATA

Plain/Perf+NW:
A2-s1,d0

α_w=0.50 - 0.65 (H)

AL: 4.9 kg/m²
FE: 7.8 kg/m²

Colours:
See page 176

Varies with finish
RAL9010: LR = 0.81

Alu

Class B

Perf+NW

Plain

COLOURS AND FINISHES

Hunter Douglas Architectural offers a wide choice of colours and finishes. Custom colour matching is available upon request. Please contact your local Hunter Douglas sales office for minimum quantities and lead times. See website for the most up to date information. Colours are for illustration purposes only.

STANDARD COLOURS STEEL BAFFLES

0181
±RAL 9003

0280
±RAL 9010

1883
±RAL 9011

8920
Oak

CUSTOM COLOURS

On Request

Aluminium baffles available upon request.

Project: Muzeum Józefa Piłsudskiego, Sulejówek, Poland - Product: Tavola™ Baffles - Architect: PIG Architekci / WXCA

V100/V200 (SCREENS)

BAFFLES

Project: Blue City shopping mall Food Court, Warsaw, Poland - Product: Baffles V100 (Screens) - Architect: Studio Quadra

KEY FEATURES

- Panel length: 800 mm up to 6000 mm
- Panel heights: 101 mm (V100); 200 mm (V200)
- Also available in exterior application (V100 only)
- On site waste reduction with factory fabricated dimensional material
- Easy plenum access
- Compatible with industry standard lighting, HVAC, speaker, fire safety, and security services
- Option of deco profile clipped to the bottom of the V100/200 panel. In extruded aluminium or solid wood

TAIM

EPD

cradle to cradle CERTIFIED BRONZE

ISO 14001 SGS ISO 9001 SGS

Production by Hunter Douglas Ceiling Center

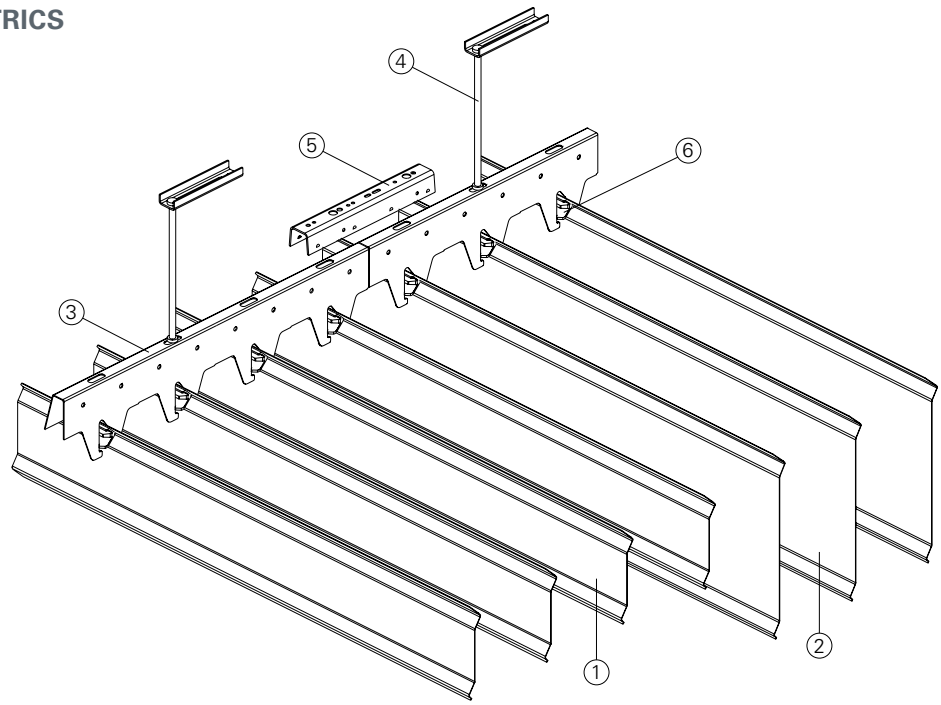
EN 13964 E1

A+ A B C A+

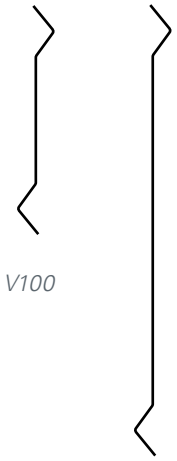
90%

TYPICAL ISOMETRICS

1 = V100 panel
2 = V200 panel
3 = Carrier
4 = Hanger
5 = Carrier splice
6 = Panel fixing clip

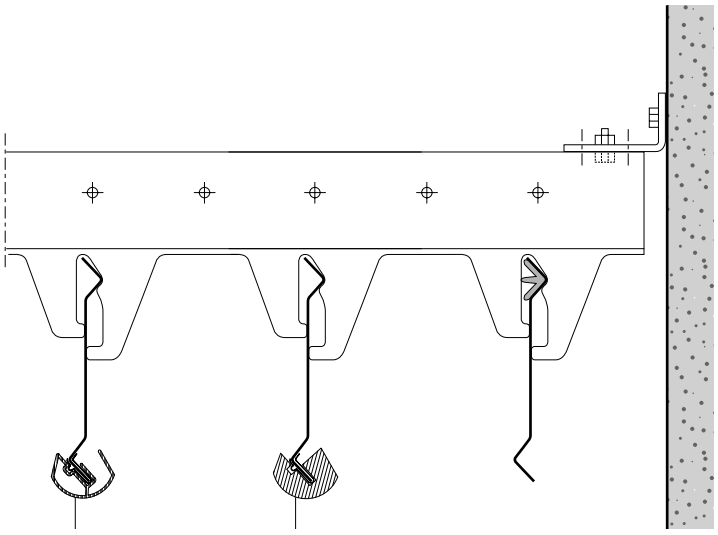


TYPICAL SECTIONS



V100

V200



Deco profile Extruded Aluminium (optional)

Deco profile Solid Wood (optional)

Screen clip for Exterior application (optional)

PHYSICAL DATA

V100: A2-s1,d0
V200: A2-s2,d0
(without deco profiles)

Al: 3.0 - 4.5 kg/m²

0280: 65%

Plain: Class C

Plain

OPTIONAL

Colours:
See page 180

Exterior solutions:
See page 262

COLOURS AND FINISHES

Hunter Douglas Architectural offers a wide choice of colours and finishes. Custom colour matching is available upon request. Please contact your local Hunter Douglas sales office for minimum quantities and lead times. See website for the most up to date information. Colours are for illustration purposes only.

STANDARD PAINT COLOURS

0280
±RAL 9010

1883
±RAL 9011
(only V100)

7163

CUSTOM COLOURS

COLOUR OPTIONS DECO PROFILES ALUMINIUM

Alu natural
anodised

RAL 9010

COLOUR OPTIONS DECO PROFILES WOOD

Cherry

Steamed
Beech

Project: Hilton Schiphol 2, The Netherlands - Product: Baffles V100/V200 (Screens) - Architect: Mecanoo

Project: Bucharest Veranda shopping mall, Bucharest, Romania - Product: Baffles V100/V200 (Screens) with deco profiles
Architect: Chapman Taylor Studio 10M

D
DEICHMAN

40/50
CELL

Project: De Zalmhaven, Rotterdam, The Netherlands - Product: Cell 50 - Architect: Dam & Partners

KEY FEATURES

- Tile dimensions: 600 x 600 mm and 600 x 1200 mm
- Profile heights: 40 and 50 mm
- Panel width: 10 mm
- Standard modules: 50*, 60, 75, 86, 100, 120, 150 and 200 mm
- Other dimensions and modules available on request
- Bi-directional plenum mask
- Monolithic design with integrated support structure
- On site waste reduction with factory fabricated dimensional material
- Downweight: reduce static load with lightweight aluminium
- Easy plenum access
- Compatible with industry standard lighting, HVAC, speaker, fire safety, and security services

**M50: only for Cell 40 sliding Clip and Cell 40*

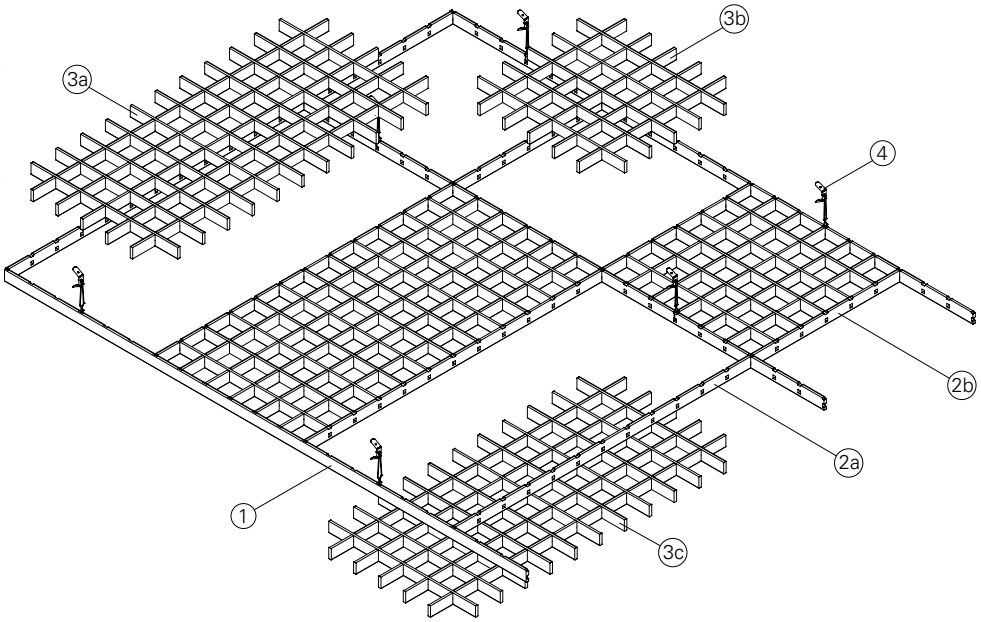
TAIM EPD cradle to cradle BRONZE ISO 14001 SGS ISO 9001 SGS

Production by Hunter Douglas Ceiling Center

EN 13964 E1 | A+ | 90%

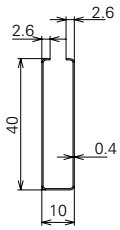
TYPICAL ISOMETRICS

1 = Main runner 2400 mm
2a = Cross runner 1200 mm
2b = Cross runner 600 mm
3a = Cell tile 1200 x 600 mm (pre-notched hooks)
3b = Cell tile 600 x 600 mm (pre-notched hooks)
3c = Cell tile 1200 x 600 mm or 600 x 600 mm (straight ends, for sliding clip)
4 = Cell hanger

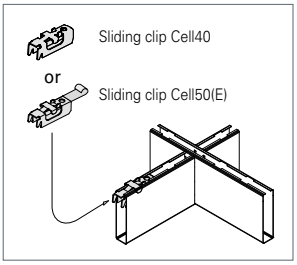


Example Cell 40

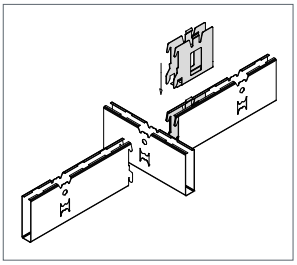
TYPICAL SECTIONS



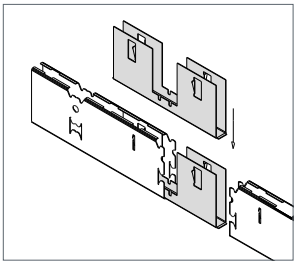
Cell 40



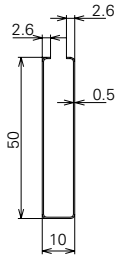
Sliding clip



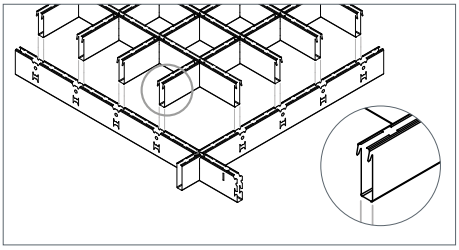
Adaptor bracket



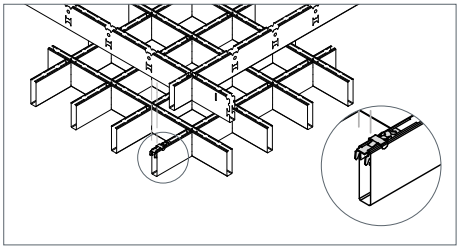
Main runner splice



Cell 50



Pre-notched hooks (all around, Cell 40)



Clean-cut ends + sliding clips (4/tile, Cell 40, Cell 50)

PHYSICAL DATA

A2-s2,d0

3.0 - 4.5 kg/m²

0280: 65%

Plain: Class C

Plain

OPTIONAL

Acoustics:
See page 354

Colours:
See page 186

COLOURS AND FINISHES

Hunter Douglas Architectural offers a wide choice of colours and finishes. Custom colour matching is available upon request. Please contact your local Hunter Douglas sales office for minimum quantities and lead times. See website for the most up to date information. Colours are for illustration purposes only.

STANDARD PAINT COLOURS (CELL 40)

0181 ±RAL 9003 | 0280 ±RAL 9010 | 1883 ±RAL 9011 | 7163 ±RAL 9006

STANDARD PAINT COLOURS (CELL 50)

COOL WHITES

0106 ±RAL 9016 | 0181 ±RAL 9003

CUSTOM COLOURS

NATURE TONES

1585 | 4648 | 1883 ±RAL 9011

WARM WHITES

0280 ±RAL 9010 | 0581 ±RAL 9001

METALS

7163 | 7007 | 7178

WOOD TONES

8602 Oak | 8611 Palissander | 8612 Cedar | 8617 Elm | 8621 Pine

Project: TVH Office, Waregem, Belgium - Product: Cell 50 - Architect: Architecten- en Ingenieursbureau d'Hondt Beyens Goesaert

Project: Queensgate Shopping Centre, Peterborough, United Kingdom - Product: Cell T15 - Architect: Benoy

KEY FEATURES

- Tile dimensions: 600 x 600 mm and 600 x 1200 mm
- Profile heights: 40 mm
- Profile width: 15 mm
- Standard modules: 50, 60, 75, 86, 100, 120, 150 and 200 mm
- Other dimensions and modules available on request
- Bi-directional plenum mask
- Fits seamlessly in butted standard T15 grid
- On site waste reduction with factory fabricated dimensional material
- Easy plenum access
- Compatible with industry standard lighting, HVAC, speaker, fire safety, and security services

TAIM

EPD

cradle to cradle CERTIFIED BRONZE

ISO 14001 SGS ISO 9001 SGS

Production by Hunter Douglas Ceiling Center

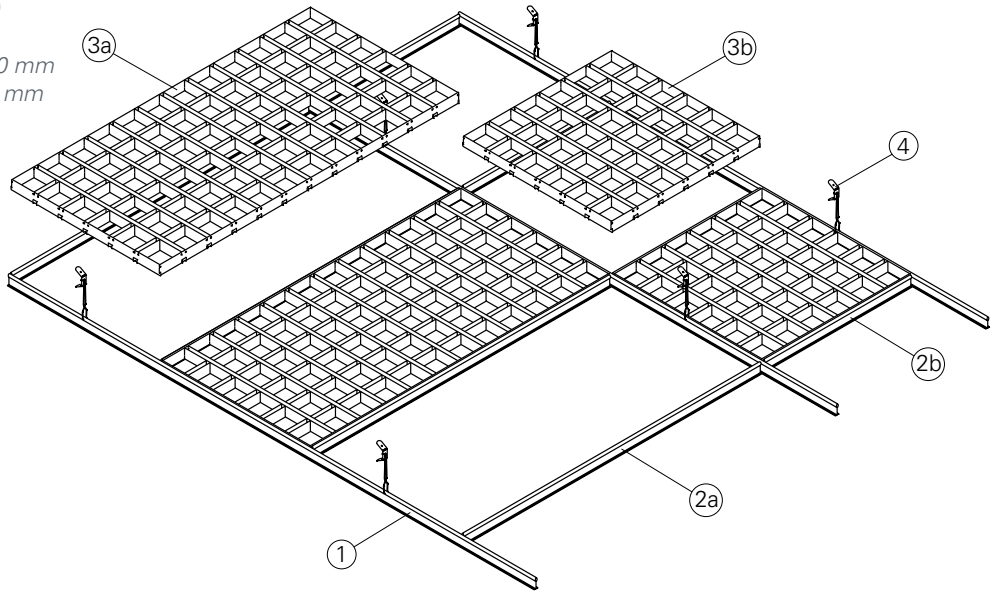
EN 13964
E1

A+ A B C
A+

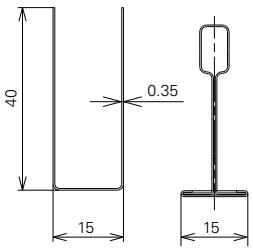
%
90%

TYPICAL ISOMETRICS

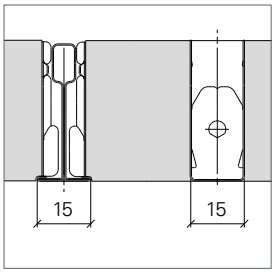
1 = Main T-profile 3000 (non HD)
2a = Cross T 1200 (non HD)
2b = Cross T 600 (non HD)
3a = Cell T15 tile 1200 x 600 mm
3b = Cell T15 tile 600 x 600 mm
4 = Cell hanger



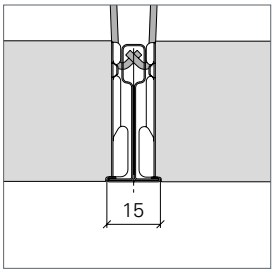
TYPICAL SECTIONS



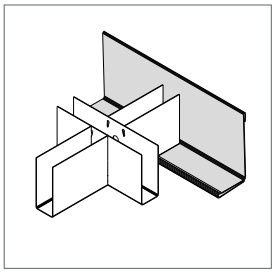
Cell T15



T-profiles flush with tiles



Cell hanger suspension



Edge trimming with L-profile

PHYSICAL DATA

A2-s2,d0

3.0 - 4.5 kg/m²

0280: 65%

Plain: Class C

Plain

OPTIONAL

Colours:
See page 190

COLOURS AND FINISHES

Hunter Douglas Architectural offers a wide choice of colours and finishes. Custom colour matching is available upon request. Please contact your local Hunter Douglas sales office for minimum quantities and lead times. See website for the most up to date information. Colours are for illustration purposes only.

STANDARD PAINT COLOURS

0181
±RAL 9003

1883
±RAL 9011

7163
±RAL 9006

CUSTOM COLOURS

Project: Queensgate Shopping Centre, Peterborough, United Kingdom - Product: Cell - Architect: Benoy

Project: Jersey Airport, St Peter Channel Island, United Kingdom - Product: Linear 225C - Architect: Ruddle Wilkinson

KEY FEATURES

- Panel widths: 75 mm, 150 mm and 225 mm
- Panel length: 800 mm up to 6000 mm
- Panel depth: 15 mm
- Bevelled edge design
- On site waste reduction with factory fabricated dimensional material
- Easy plenum access
- Compatible with industry standard lighting, HVAC, speaker, fire safety, and security services

TAIM

EPD

cradle to cradle CERTIFIED BRONZE

ISO 14001 SGS ISO 9001 SGS

Production by Hunter Douglas Ceiling Center

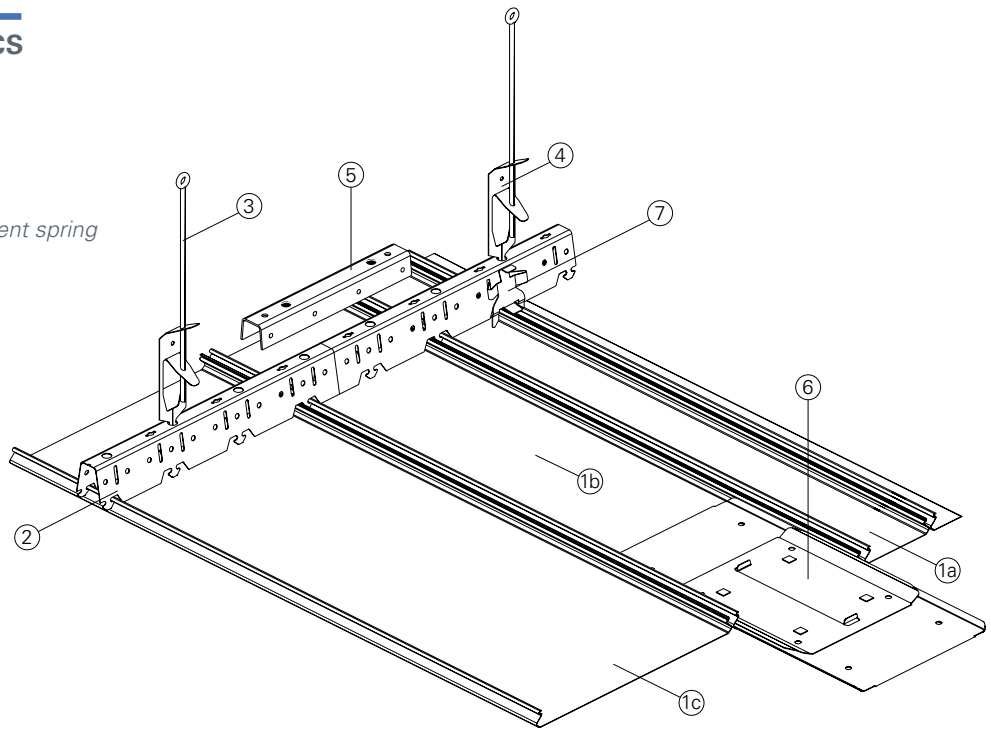
EN 13964
E1

A+ A B C
A+

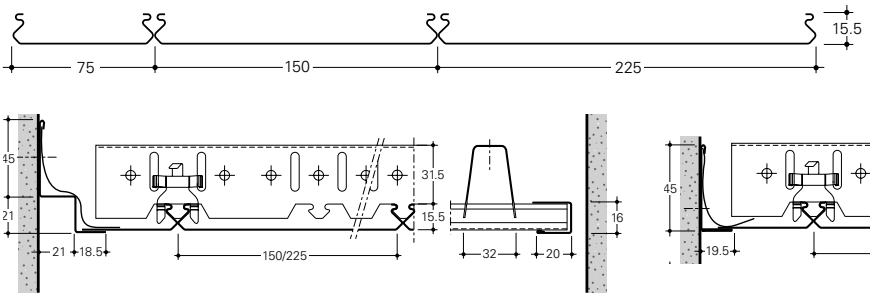
90%

TYPICAL ISOMETRICS

1a = Panel 75C
1b = Panel 150C
1c = Panel 225C
2 = Carrier
3 = Rod hanger
4 = Suspension adjustment spring
5 = Carrier splice
6 = Panel splice
7 = Adaptor clip



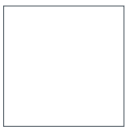
TYPICAL SECTIONS



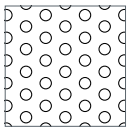
PERFORATION PATTERNS

Standard patterns shown. See page 346 for all perforation patterns.
Scale shown: 1:1, unless otherwise noted. See page 355 for acoustic information.

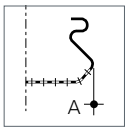
(Scale 3:5)



Plain



D1523
Ø 1.5 mm
⇳ 3 ⇔ 5.2
Openness 23%



Ø 1.5 mm:
A = 0 mm
75C/150C/225C

Perforation runs into the bevelled edge

PHYSICAL DATA

Plain: A2-s1,d0
Perf+NW: A2-s2,d0

D1523: α_w=0.75

Al: 2.6 kg/m²

0280: 65%

Plain: Class C
Perf+NW: Class B

Perf+NW

Plain

OPTIONAL

Colours:
See page 194

Exterior solutions:
See page 254

COLOURS AND FINISHES

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STANDARD PAINT COLOURS

COOL WHITES

0106
±RAL 9016

0181
±RAL 9003

WARM WHITES

0280
±RAL 9010

0581
±RAL 9001

NATURE TONES

1585

4648
±RAL 9006

1883
±RAL 9011

METALS

7163
±RAL 9006

7007

7178

7008

WOOD TONES

8602
Oak

8611
Palissander

8612
Cedar

8617
Elm

8621
Pine

CUSTOM COLOURS

COLOUR AVAILABILITY PER PANEL

Colour	RAL/NCS	75C	150C	225C
0106	±9016	✓	✓	✓
0181	±9003	✓	✓	✓
0280	±9010	✓■	✓■	✓■
0581	±9001	✓		
1585		✓	✓	
1883	±9011	✓	✓	✓
4648		✓		
7007		✓	✓	
7008		✓		
7163	±9006	✓■	✓■	✓■
7178		✓	✓	✓
Wood tones				
8602	Oak	✓		
8611	Palissander	✓		
8612	Cedar	✓		
8617	Elm	✓		
8621	Pine	✓		

■ *Available with 1,5 mm perforation*

Project: Dodoens Hospital, Mechelen, Belgium - Product: Linear 225C - Architect: Luyten Lens

Project: Alexander Station, Rotterdam, The Netherlands - Product: Metal MultiPanel - Architect: OPL Architects

KEY FEATURES

- Panel widths: 30, 80, 130 and 180 mm, joint width 20 mm
- Panel length: 800 mm up to 6000 mm
- Panel depths:
  - 15 mm (30B, 80B, 130B, 180B)
  - 39 mm (30BD)
  - 64 mm (30BXD, 80BXD, 130BXD)
- Square edge design
- Curved carrier application available
- On site waste reduction with factory fabricated dimensional material
- Easy plenum access
- Compatible with industry standard lighting, HVAC, speaker, fire safety, and security services

TAIM

EPD

cradle to cradle CERTIFIED BRONZE

ISO 14001 SGS ISO 9001 SGS

Production by Hunter Douglas Ceiling Center

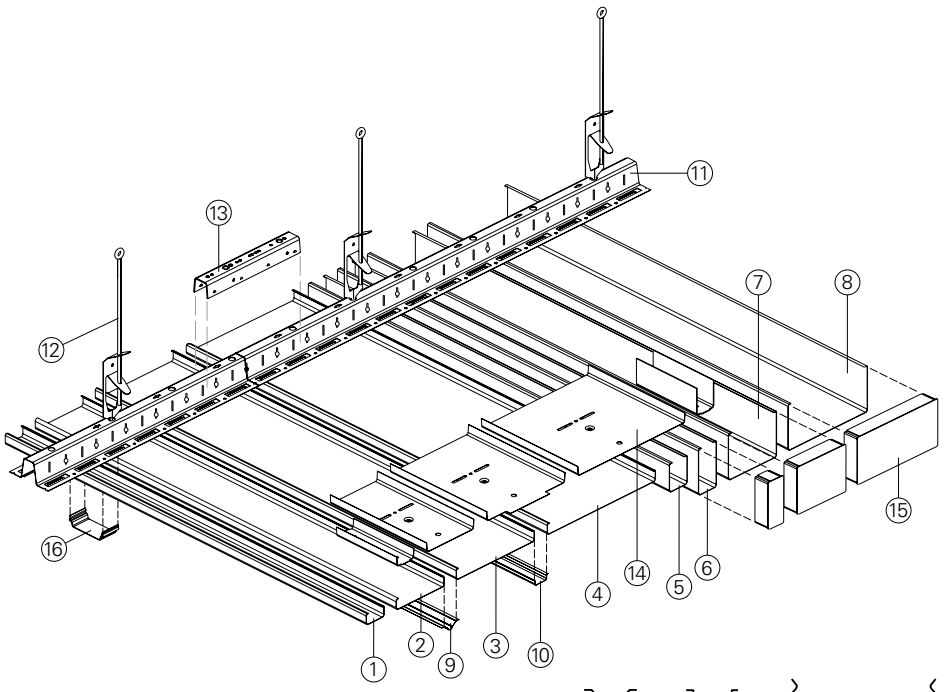
EN 13964 E1

A+ A B C A+

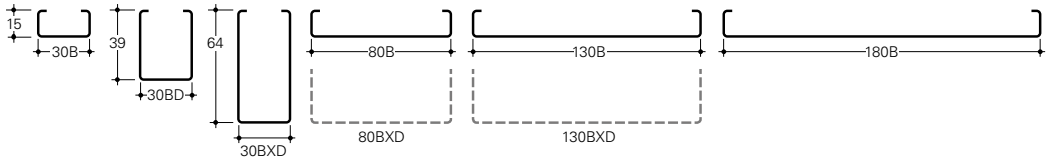
90%

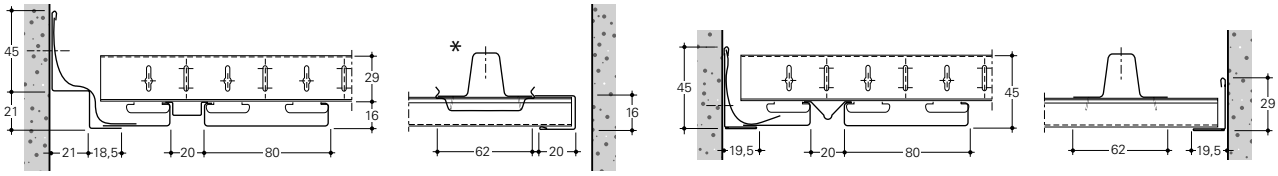
TYPICAL ISOMETRICS

1 = 30B panel
2 = 80B panel
3 = 130B panel
4 = 180B panel
5 = 30BD panel
6 = 30BXD panel
7 = 80BXD panel
8 = 130BXD panel
9 = Recessed V-join profile
10 = Recessed U-join profile
11 = MultiPanel Carrier
12 = Hanger
13 = Carrier Splice
14 = Panel Splice
15 = End cap
16 = Fixing clip



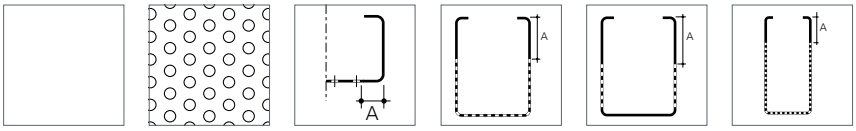
TYPICAL SECTIONS





PERFORATION PATTERNS

Standard patterns shown. See page 346 for all perforation patterns.
Scale shown: 1:1, unless otherwise noted. See page 354-356 for acoustic information.



Plain

D1523
Ø 1.5 mm
⇳ 3 ⇔ 5.2
Openness 23%

Ø 1.5 mm:
A = 5 mm
30B/80B/130B/180B

Ø 1.5 mm:
A = 17 mm
30BD standard

Ø 1.5 mm:
A = 19 mm
30BD on request

Ø 1.5 mm:
A = 17 mm
30/80/130BXD

PHYSICAL DATA

Plain: A2-s1,d0
Perf+NW: A2-s2,d0
30B(X)D plain: B-s1,d0
30B(X)D perf+NW: B-s2,d0

D1523: α_W=0.75

AL: 1.9 - 6.0 kg/m²

0280: 65%

Plain: Class C
Perf+NW: Class B

Perf+NW

Plain

OPTIONAL

Colours:
See page 198

Curved solutions:
See page 218

Exterior solutions:
See page 250

COLOURS AND FINISHES

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STANDARD PAINT COLOURS

COOL WHITES

0106
±RAL 9016

0181
±RAL 9003

WARM WHITES

0280
±RAL 9010

0581
±RAL 9001

NATURE TONES

1585

4648

1883
±RAL 9011

METALS

7163
±RAL 9006

7007

7178

7008

WOOD TONES

8602
Oak

8611
Palissander

8612
Cedar

8617
Elm

8621
Pine

CUSTOM COLOURS

COLOUR AVAILABILITY PER PANEL

Colour	RAL/NCS	30B	30BD 80B	30BXD 130B	80BXD 180B	130BXD
0106	±9016		✓	✓		✓
0181	±9003	✓	✓	✓	✓	✓
0280	±9010	✓■	✓■	✓■	✓■	✓■
0581	±9001		✓			
1585			✓	✓		
1883	±9011		✓	✓	✓	✓
4648			✓	✓		
7007			✓	✓		
7008			✓			
7163	±9006	✓■	✓■	✓■	✓■	✓■
7178			✓	✓	✓	✓
Wood tones						
8602	Oak		✓	✓		
8611	Palissander		✓	✓		
8612	Cedar		✓	✓		
8617	Elm		✓	✓		
8621	Pine		✓	✓		

■ *Available with 1,5 mm perforation*

Project: MME, Zug, Switzerland - Product: Metal MultiPanel - Architect: Büronauten AG

Project: Charles de Gaulle airport, Accueil, France - Product: Linear 30BD - Architect: NoE Duchaufour Lawrance

KEY FEATURES

- Panel width: 30 mm, joint width 20 mm (standard) or 30 mm (CCA)
- Panel length: 800 mm up to 6000 mm
- Panel depths: 39 mm (30BD) and 64 mm (30BXD)
- Standard carrier modules: 50, 60, 70, 80, 90 and 100 mm. For CCA application 60 mm module is the standard. For enhanced heat exchange.
- Square edge design
- On site waste reduction with factory fabricated dimensional material
- Easy plenum access
- Compatible with industry standard lighting, HVAC, speaker, fire safety, and security services

TAIM

EPD

cradle to cradle CERTIFIED BRONZE

ISO 14001 SGS ISO 9001 SGS

Production by Hunter Douglas Ceiling Center

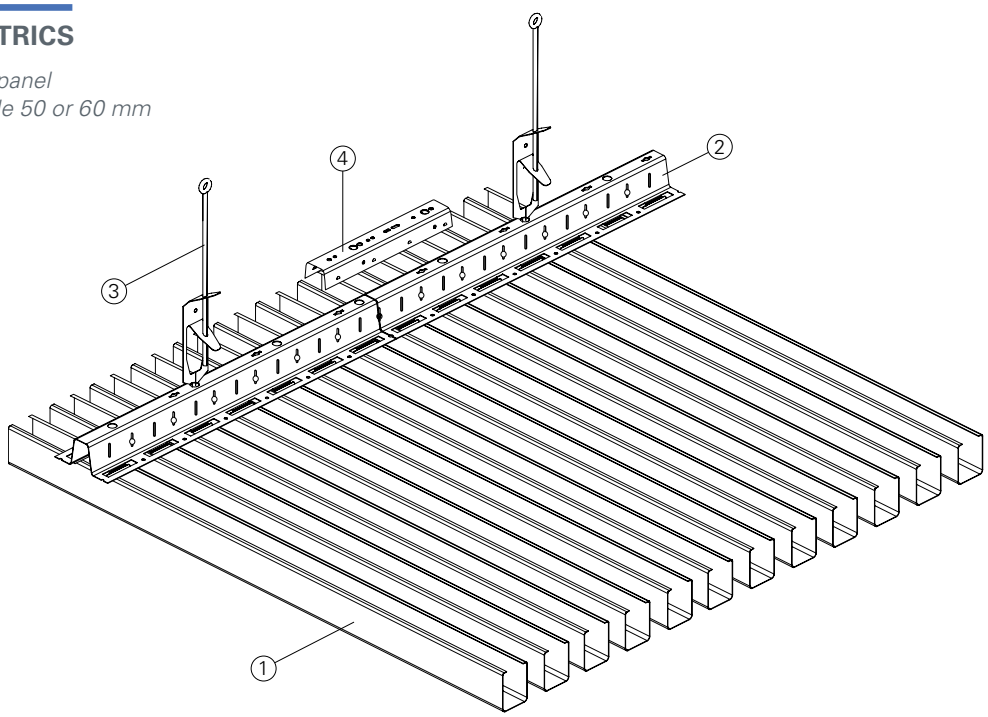
EN 13964 E1

A+ A B C A+

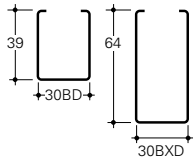
90%

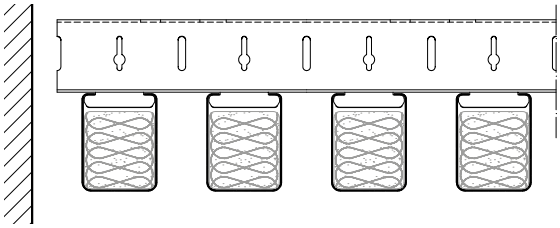
TYPICAL ISOMETRICS

1 = 30BD / 30BXD panel
2 = Al carrier module 50 or 60 mm
3 = Hanger
4 = Al carrier splice



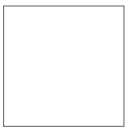
TYPICAL SECTIONS



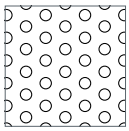


PERFORATION PATTERNS

Standard patterns shown. See page 346 for all perforation patterns.
Scale shown: 1:1, unless otherwise noted. See page 354-356 for acoustic information.

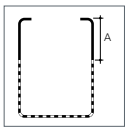


Plain



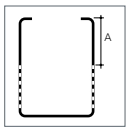
D1523
Ø 1.5 mm
⇳ 3 ⇔ 5.2
Openness 23%

(Scale 1:3)



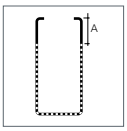
Ø 1.5 mm:
A = 17 mm
30BD standard

(Scale 1:3)



Ø 1.5 mm:
A = 19 mm
30BD on request

(Scale 1:5)



Ø 1.5 mm:
A = 17 mm
30BXD

PHYSICAL DATA

Plain: B-s1,d0
Perf+NW: B-s2,d0

D1523: α_W=0.75

Al: 3.8 - 6.0 kg/m²

0280: 65%

Plain: Class C
Perf+NW: Class B

Perf+NW

Plain

OPTIONAL

Colours:
See page 204

Project: Groninger Forum, Groningen, The Netherlands - Product: PareauLux 30BD Climate Ceiling - Architect: NL Architects

KEY FEATURES

- 80% more capacity over a standard climate ceiling
- Unparalleled design freedom in colours, also in woodprint
- Panel dimension box shaped 30 x 39 mm or 30 x 64 mm (can be combined)
- Sustainable solution
- Acoustical comfort
- Low exploitation cost
- Positive influence on sustainability certification
- Always a comfortable and even temperature

TAIM

EPD

cradle to cradle CERTIFIED BRONZE

ISO 14001 SGS ISO 9001 SGS

Production by Hunter Douglas Ceiling Center

EN 13964
E1

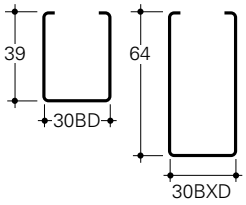
A+ A B C
A+

%
90%

TYPICAL ISOMETRICS

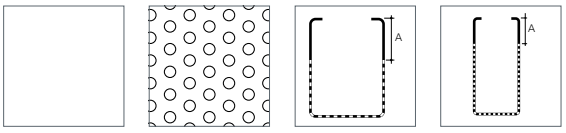
Typical lay out has a grid size of 1200 x 1200 mm
Within this dimension 2 climate panels of modular 600 x 200 mm are installed

TYPICAL SECTIONS



PERFORATION PATTERNS

Standard patterns shown. See page 346 for all perforation patterns.
Scale shown: 1:1, unless otherwise noted. See page 354-356 for acoustic information.



Plain

D1523
Ø 1.5 mm
⇳ 3 ⇿ 5.2
Openness 23%

Ø 1.5 mm:
A = 17 mm
30BD standard

Ø 1.5 mm:
A = 17 mm
30BXD

PHYSICAL DATA

Plain: B-s1,d0
Perf+NW: B-s2,d0

D1523: α_W=0.75

AI: 3.8 - 6.0 kg/m²

0280: 65%

Plain: Class C
Perf+NW: Class B

Perf+NW

Plain

OPTIONAL

Colours:
See page 204

COLOURS AND FINISHES

Hunter Douglas Architectural offers a wide choice of colours and finishes. Custom colour matching is available upon request. Please contact your local Hunter Douglas sales office for minimum quantities and lead times. See website for the most up to date information. Colours are for illustration purposes only.

STANDARD PAINT COLOURS

COOL WHITES

0106
±RAL 9016

0181
±RAL 9003

WARM WHITES

0280
±RAL 9010

0581
±RAL 9001
(only 30BD)

NATURE TONES

1585

4648

1883
±RAL 9011

METALS

7163
±RAL 9006

7007

7178

7008
(only 30BD)

WOOD TONES

8602
Oak

8611
Palissander

8612
Cedar

8617
Elm

8621
Pine

CUSTOM COLOURS

Project: Smolyan Krasin Office, Smolyan, Bulgaria - Product: Metal Linear 30BD - Architect: Alexander Traykov

Project: Maastoren, Rotterdam, The Netherlands - Product: Linear MultiPanel - Architect: OTH architecten

KEY FEATURES

- Panel widths: 80 mm and 130 mm, joint width 20 mm
- Panel length: 800 mm up to 6000 mm
- Panel depth: 64 mm
- Square edge design
- Curved carrier application available
- On site waste reduction with factory fabricated dimensional material
- Easy plenum access
- Compatible with industry standard lighting, HVAC, speaker, fire safety, and security services

TAIM

EPD

cradle to cradle CERTIFIED BRONZE

ISO 14001 SGS ISO 9001 SGS

Production by Hunter Douglas Ceiling Center

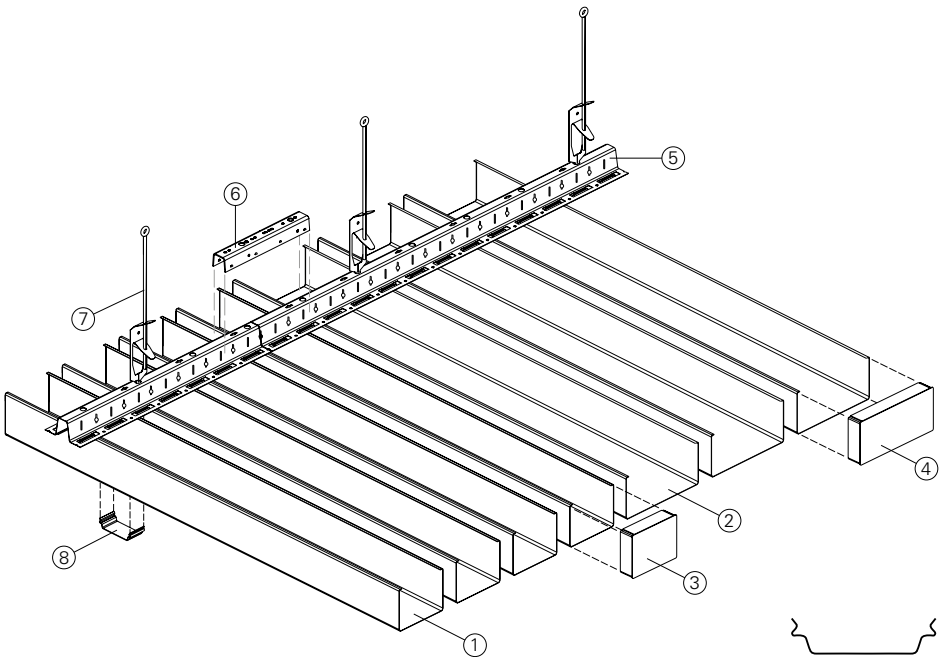
EN 13964
E1

A+ A B C
A+

90%

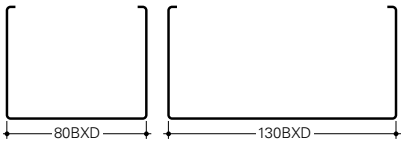
TYPICAL ISOMETRICS

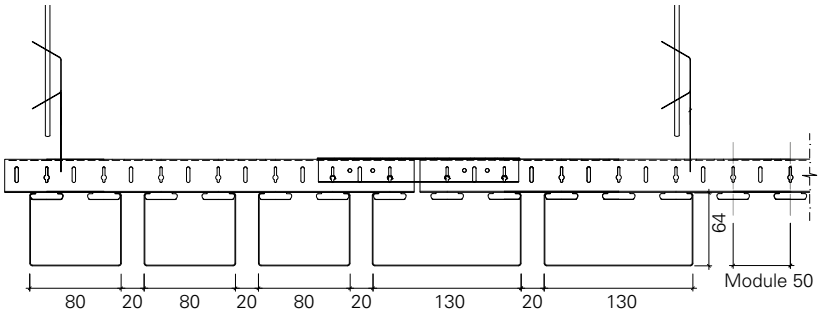
1 = 80BXD panel
2 = 130BXD panel
3 = End cap (80BXD)
4 = End cap (130BXD)
5 = MultiPanel carrier
6 = Carrier splice
7 = Hanger
8 = Fixing clip



Fixing clip

TYPICAL SECTIONS

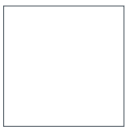


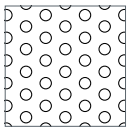


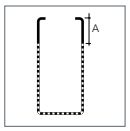
PERFORATION PATTERNS

Standard patterns shown. See page 346 for all perforation patterns.
Scale shown: 1:1, unless otherwise noted. See page 354 for acoustic information.

(Scale 1:5)


Plain


D1523
Ø 1.5 mm
⇳ 3 ⇿ 5.2
Openness 23%



Ø 1.5 mm:
A = 17 mm
80BXD/130BXD

PHYSICAL DATA

Plain: A2-s1,d0
Perf+NW: A2-s2,d0

D1523: α_W=0.75

Al: 3.75 - 4.5 kg/m²

0280: 65%

Plain: Class C
Perf+NW: Class B

Perf+NW

Plain

OPTIONAL

Colours:
See page 208

COLOURS AND FINISHES

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STANDARD PAINT COLOURS

COOL WHITES

0106
±RAL 9016

0181
±RAL 9003

WARM WHITES

0280
±RAL 9010

NATURE TONES

1883
±RAL 9011

METALS

7163
±RAL 9006

7178

CUSTOM COLOURS

COLOUR AVAILABILITY PER PANEL

Colour	RAL/NCS	80BXD	130BXD
0106	±9016		✓
0181	±9003	✓	✓
0280	±9010	✓■	✓■
1883	±9011	✓	✓
7163	±9006	✓■	✓■
7178		✓	✓

■ *Available with 1,5 mm perforation*

Project: Chisinau airport, Chisinau, Moldova - Product: Linear 80BXD - Architect: Vladimir Pinzaru (Arhform)

Project: Marknesse National Air and Space Center, Marknesse, The Netherlands - Product: Linear 84R - Architect: Inbo Architecten

KEY FEATURES

- Panel width 84 mm, joint 16 mm
- Panel length: 800 mm up to 6000 mm
- Panel depths: 16mm (84R) and 12.5mm (84B, 84C)
- Square edge design (84B and 84C) or rounded edges (84R)
- Curved carrier application available (84B and 84R)
- Curved panel application available (84R)
- On site waste reduction with factory fabricated dimensional material
- Easy plenum access
- Compatible with industry standard lighting, HVAC, speaker, fire safety, and security services

TAIM

EPD

cradle to cradle CERTIFIED BRONZE

ISO 14001 SGS ISO 9001 SGS

Production by Hunter Douglas Ceiling Center

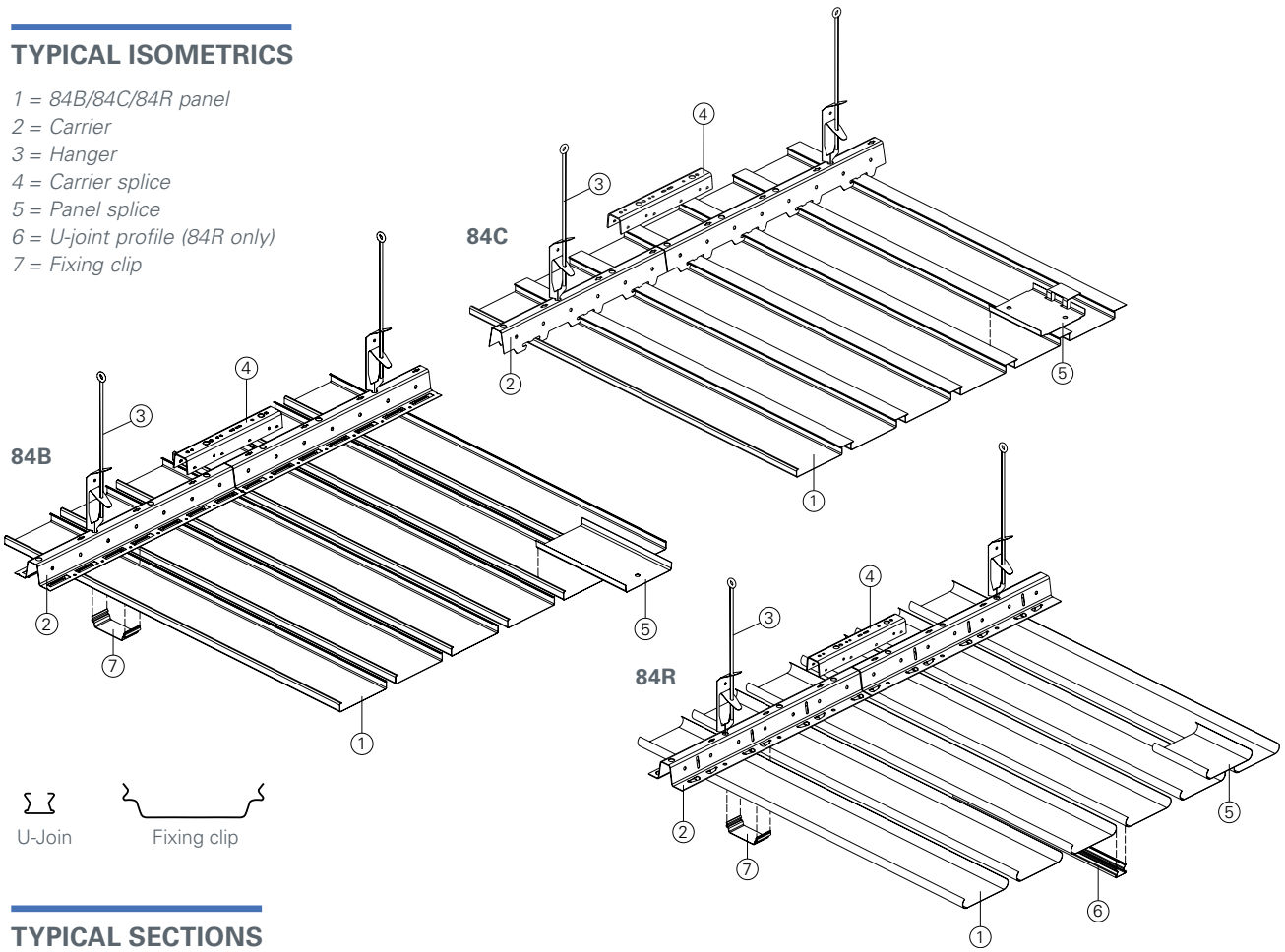
EN 13964 E1

A+ A B C A+

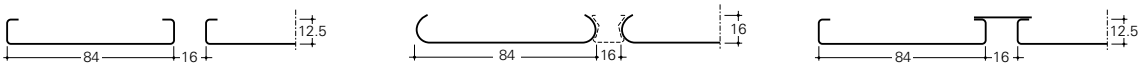
90%

TYPICAL ISOMETRICS

1 = 84B/84C/84R panel
2 = Carrier
3 = Hanger
4 = Carrier splice
5 = Panel splice
6 = U-joint profile (84R only)
7 = Fixing clip



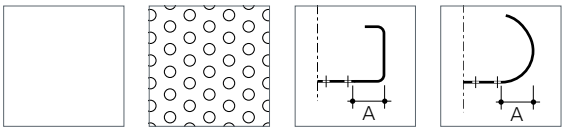
TYPICAL SECTIONS



84B *84R* *84C*

PERFORATION PATTERNS

Standard patterns shown. See page 346 for all perforation patterns.
Scale shown: 1:1, unless otherwise noted. See page 355-356 for acoustic information.

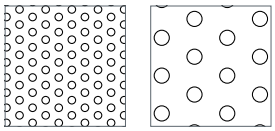


Plain

D1523
Ø 1.5 mm
⇳ 3 ⇔ 5.2
Openness 23%
(Only 84B and 84R)

Ø 1.5 mm:
A = 7 mm
84B

Ø 1.5 mm:
A = 7 mm
84R



D1023
Ø 1 mm
⇳ 2 ⇔ 3.46
Openness 23%
(Only 84C)

D2016
Ø 2 mm
⇳ 5 ⇔ 8.66
Openness 16%
(Only 84C)

PHYSICAL DATA

Plain: A2-s1,d0
Perf+NW: A2-s2,d0

D1523: α_W=0.75

Al: 2.2 - 2.5 kg/m²

0280: 65%

Plain: Class C
Perf+NW: Class B

Perf+NW

Plain

OPTIONAL

Colours:
See page 212

Curved solutions:
See page 214 (84R panel)
See page 218 (curved carriers)

Exterior solutions:
See page 246

COLOURS AND FINISHES

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STANDARD PAINT COLOURS (84B AND 84R)

COOL WHITES

0106
±RAL 9016

0181
±RAL 9003

CUSTOM COLOURS

WARM WHITES

0280
±RAL 9010

0581
±RAL 9001

NATURE TONES

1585

4648

1883
±RAL 9011

METALS

7163
±RAL 9006

7007

7178

7008

WOOD TONES

8602
Oak

8611
Palissander

8612
Cedar

8617
Elm

8621
Pine

STANDARD PAINT COLOURS (84C)

0280
±RAL 9010

7163

Project: Vitesse Trainingscomplex Papendal, Arnhem, The Netherlands - Product: Linear 84B - Architect: Geesink Weusten Architecten

Project: Berceni-Sudului Food and Agiricultural Market, Romania - Product: Curved 84R Woodprint - Architect: Concrete Design Solutions

KEY FEATURES

- Panel width: 84 mm, joint 16 mm
- Panel length: 1000 - 6000 mm
- Fixed radius of 325 mm or variable radius with minimum of 1000 mm
- Panels in concave, convex or S-shape
- On site waste reduction with factory fabricated dimensional material
- Easy plenum access
- Interior and exterior applications
- Compatible with industry standard lighting, HVAC, speaker, fire safety, and security services

TAIM

EPD

cradle to cradle CERTIFIED BRONZE

ISO 14001 SGS ISO 9001 SGS

Production by Hunter Douglas Ceiling Center

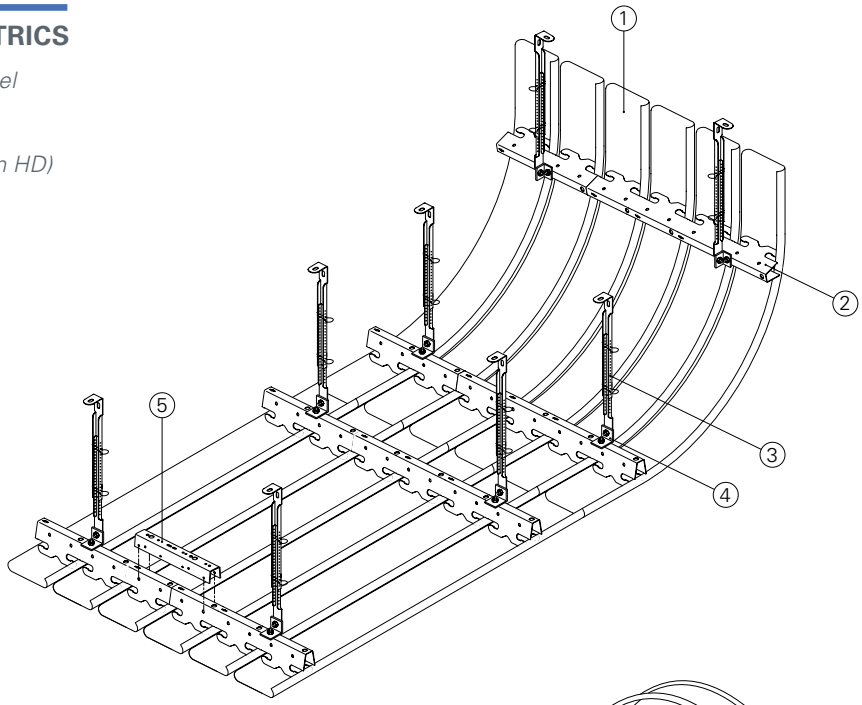
EN 13964
E1

A+ A B C
A+

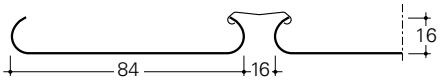
90%

TYPICAL ISOMETRICS

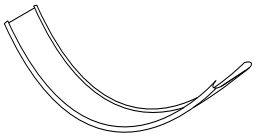
1 = Curved 84R panel
2 = 84R carrier
3 = Nonius hanger
4 = Fixing piece (non HD)
5 = Carrier splice



TYPICAL SECTIONS



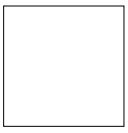
Concave



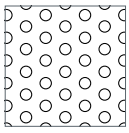
Convex

PERFORATION PATTERNS

Standard patterns shown. See page 346 for all perforation patterns.
Scale shown: 1:1, unless otherwise noted. See page 355 for acoustic information.

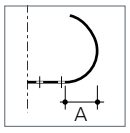


Plain



D1523
Ø 1.5 mm
⇳ 3 ⇔ 5.2
Openness 23%

(Scale 3:5)



Ø 1.5 mm
A = ca. 7 mm
84R

PHYSICAL DATA

Plain: A2-s1,d0
Perf+NW: A2-s2,d0

D1523 : α_W=0.75

Al: 2.5 kg/m²

0280: 65%

Plain: Class C
Perf+NW: Class B

Perf+NW

Plain

OPTIONAL

Colours:
See page 216

COLOURS AND FINISHES

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STANDARD PAINT COLOURS

COOL WHITES

0106
±RAL 9016

0181
±RAL 9003

WARM WHITES

0280
±RAL 9010

0581
±RAL 9001

NATURE TONES

1585

4648

1883
±RAL 9011

METALS

7163
±RAL 9006

7007

7178

7008

WOOD TONES

8602
Oak

8611
Palissander

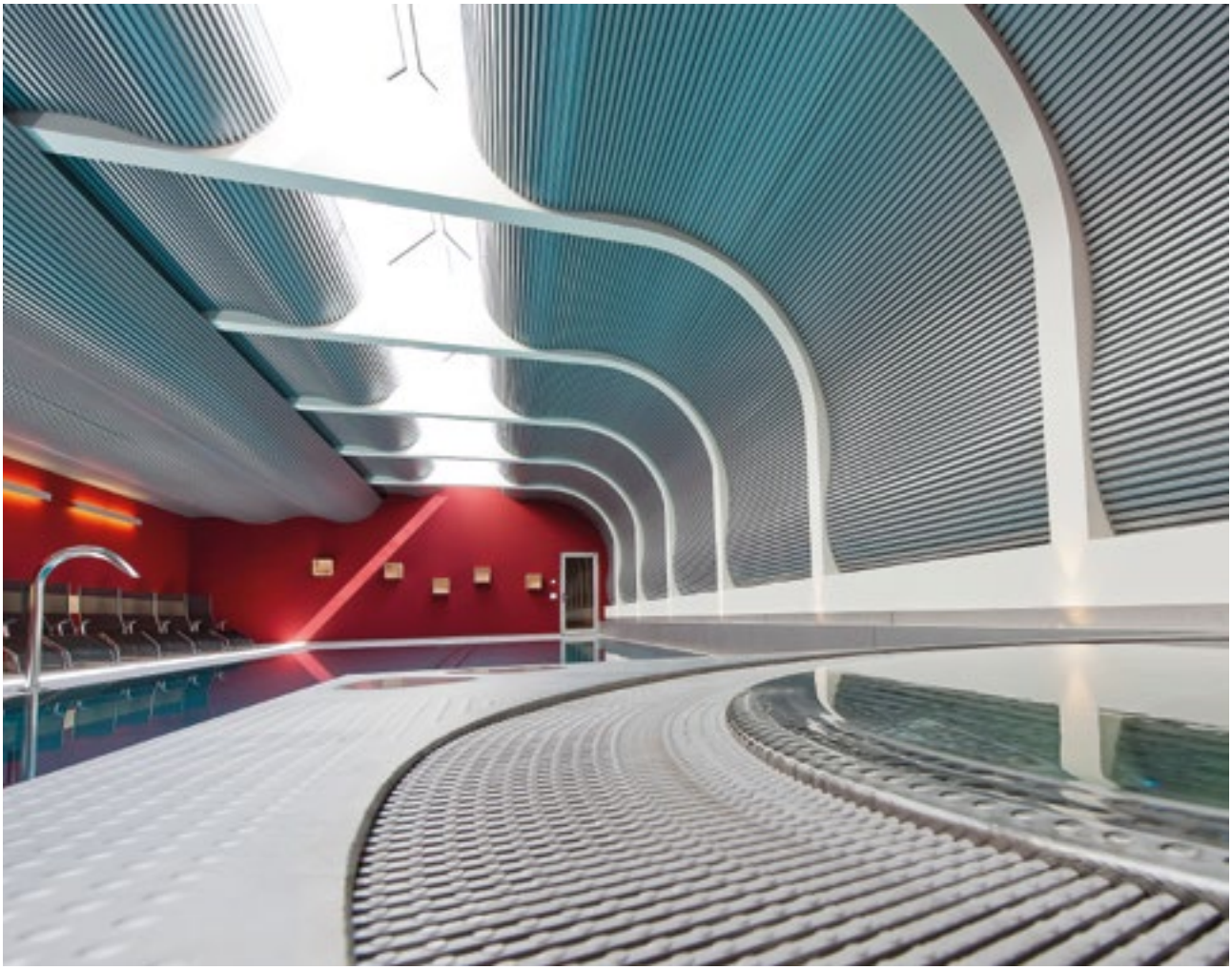
8612
Cedar

8617
Elm

8621
Pine

CUSTOM COLOURS

Project: Berceni-Sudului Food and Agirucultural Market, Romania - Product: Curved 84R Woodprint - Architect: Concrete Design Solutions



Project: Hotel Ambassador, Zermatt, Switzerland - Product: Linear 30BD Curved Carrier - Architect: Vogel Architekten

KEY FEATURES

- Panel width: 300 mm or 100 mm module
- Panel length: 800 - 6000 mm
- Segmented carrier: minium radius convex 5 m, concave 2 m
- Flexible carrier: minimum radius convex 600 mm, concave 400 mm (depends on panel type)
- Ceilings in concave, convex or ondulating
- On site waste reduction with factory fabricated dimensional material
- Easy plenum access
- Interior and exterior applications
- Compatible with industry standard lighting, HVAC, speaker, fire safety and security services

TAIM

EPD

cradle to cradle CERTIFIED BRONZE

ISO 14001 SGS ISO 9001 SGS

Production by Hunter Douglas Ceiling Center

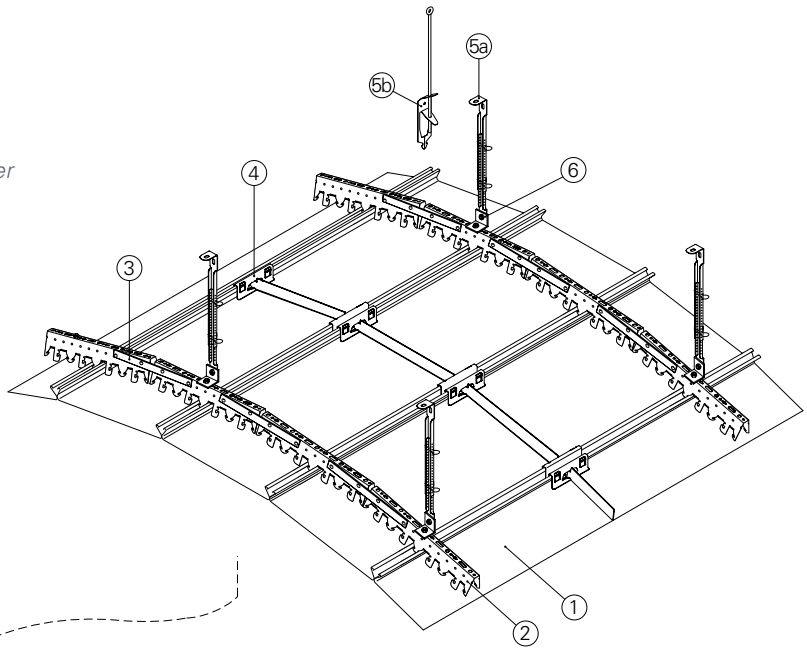
EN 13964
E1

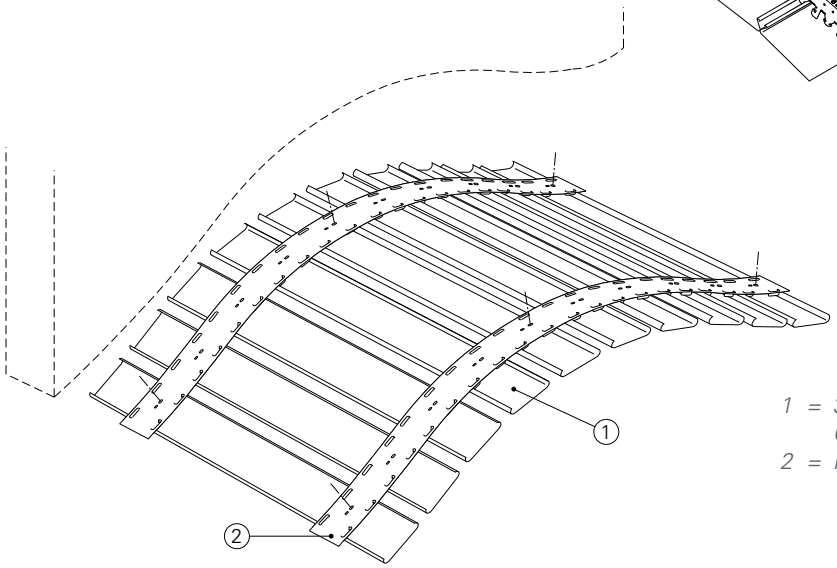
A+
A+ A B C

Fe : 17%
Al : 90%

TYPICAL ISOMETRICS

1 = 300C panel, straight
2 = 300C carrier, segmented
3 = Connecting strips segmented carrier
4 = 300C alignment bracket
5a= Nonius hanger
5b= Rod hanger
6 = Fixing piece (non-HD)

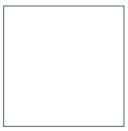




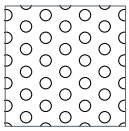
1 = 30B-180B, 84B, 84R, 70U Ceiling panel, straight
2 = Flex carrier

PERFORATION PATTERNS

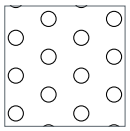
Standard patterns shown. See page 346 for all perforation patterns.
Scale shown: 1:1, unless otherwise noted. See page 354-356 for acoustic information.



Plain



D1523
Ø 1.5 mm
⇳ 3 ⇿ 5.2
Openness 23%



D2016
Ø 2 mm
⇳ 5 ⇿ 8.66
Openness 16%
(300C Only)

PHYSICAL DATA

Plain: A2-s1,d0
Perf+NW: A2-s2,d0

Al: 2.5 kg/m²

0280: 65%

D1523 : α_W=0.75
D2016 : α_W=0.75

Plain: Class C
Perf+NW: Class B

Perf+NW

Plain

OPTIONAL

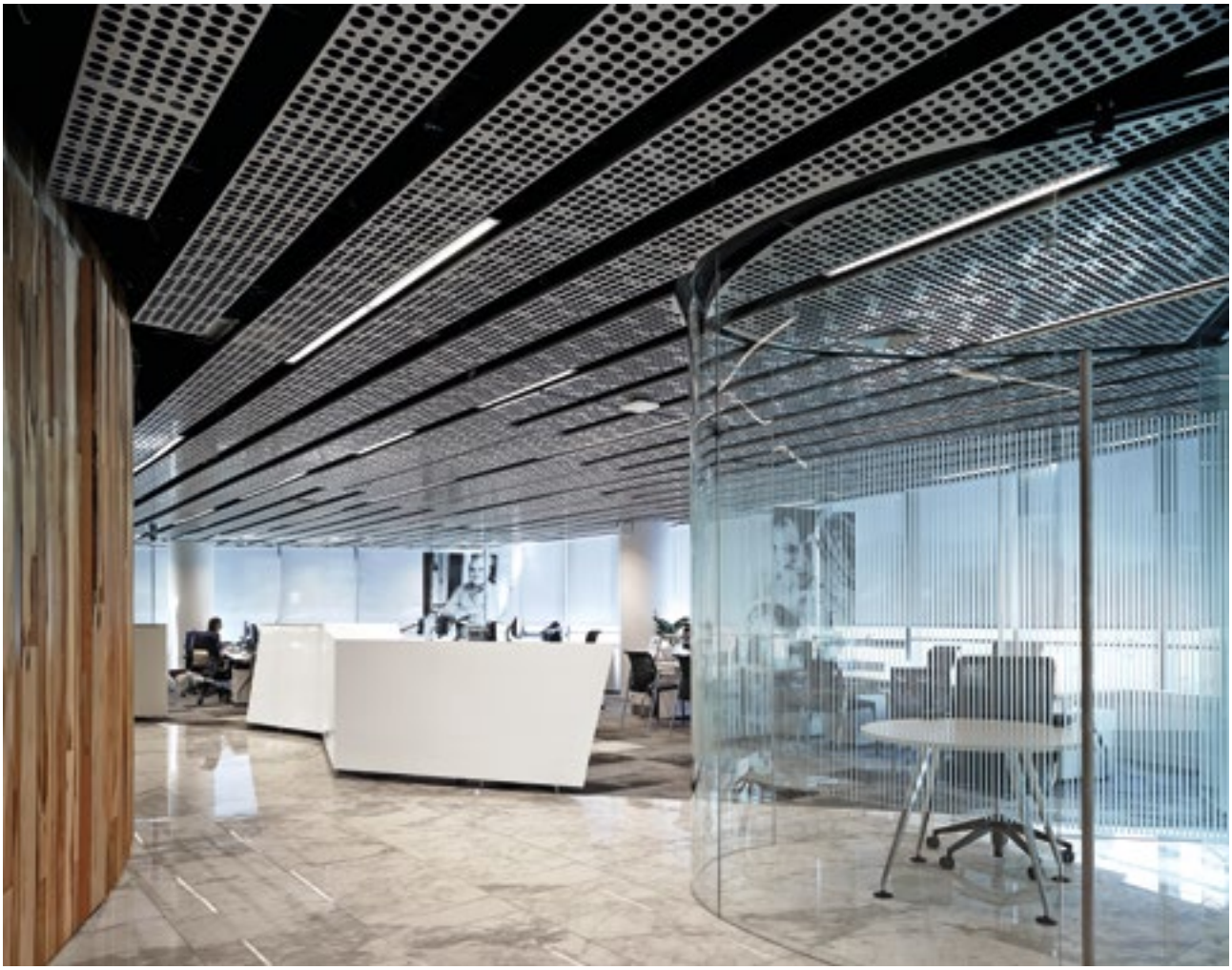
Colours:
See page 220

COLOURS AND FINISHES

Hunter Douglas Architectural offers a wide choice of colours and finishes. Custom colour matching is available upon request. Please contact your local Hunter Douglas sales office for minimum quantities and lead times. See website for the most up to date information. Colours are for illustration purposes only.

Please refer to the respective product pages for colour availability.

Project: Wroclaw Airport, Wroclaw, Poland - Product: Curved Carrier - Architects: JSK



Project: Entel Office Building, Santiago, Chile - Product: Custom Wide Panel 300C/300L (Special perforation) - Architect: Sabbagh Architects

THE PROJECT

The design of a corporate building has a dual objective, represent the company's image today, and also the image it seeks to project into the future. It represents its present particular way of facing the world, its business culture; but also its future, that is, where it wants to go. In turn it must be understood and interpreted by both its regular users; part of the company, as the common public who come in for services.

In this sense, the great challenge was choosing the materials that would make up the design of the new corporate building of Entel and being able to create a cozy, relaxed atmosphere, to facilitate new ways of working. And at the same time transmit a modern high-tech image vanguard. Be sufficiently noble and essential to withstand the test of time and fashions.

The Wide Panel ceiling, in a modular width and variable length is ideal for applications in corridors, providing a monolithic look. It is a suitable metal indoor ceiling due to the system of profiles used in the installation. Perforated metal panels with acoustic fleece have a high sound absorption coefficient (α_w).

TAIM

EPD

cradle to cradle BRONZE

ISO 14001 SGS ISO 9001 SGS

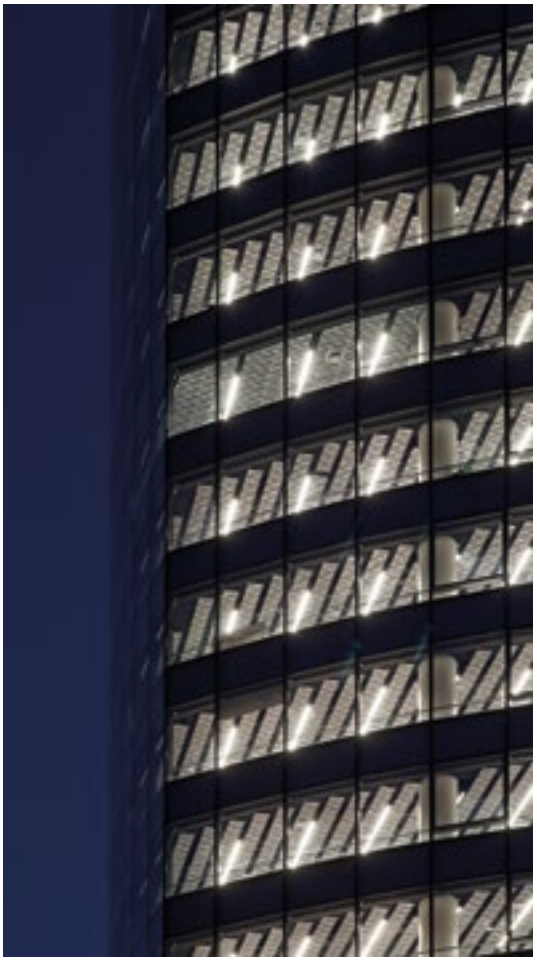
Production by Hunter Douglas Ceiling Center

EN 13964
E1

A+
A+ A B C

Fe : 17%
Al : 90%

A



Project: Spoorzone Delft, The Netherlands - Product: Custom Baffle Ceiling - Architect: Benthem Crouwel Architects

THE PROJECT

Hunter Douglas's expertise for complex projects is demonstrated in designing a logistically challenging - and eye-catching - ceiling for the platform in the new railway station in Delft, the Netherlands. Amsterdam's Benthem Crouwel Architects wanted the terminal to be uncluttered and well-lit and the design of the ceiling, particularly the baffles, played an integral role in this vision.

Combining hand-crafted and polished tapered baffles of extruded aluminium with a fixed, perforated baffle above the ceiling means optimal sound absorption and a reverberation time of less than one second. The baffles' exceptional light reflection, at 110 gloss units (2 layers), maximizes the output of the artificial lighting to be installed between the baffles.

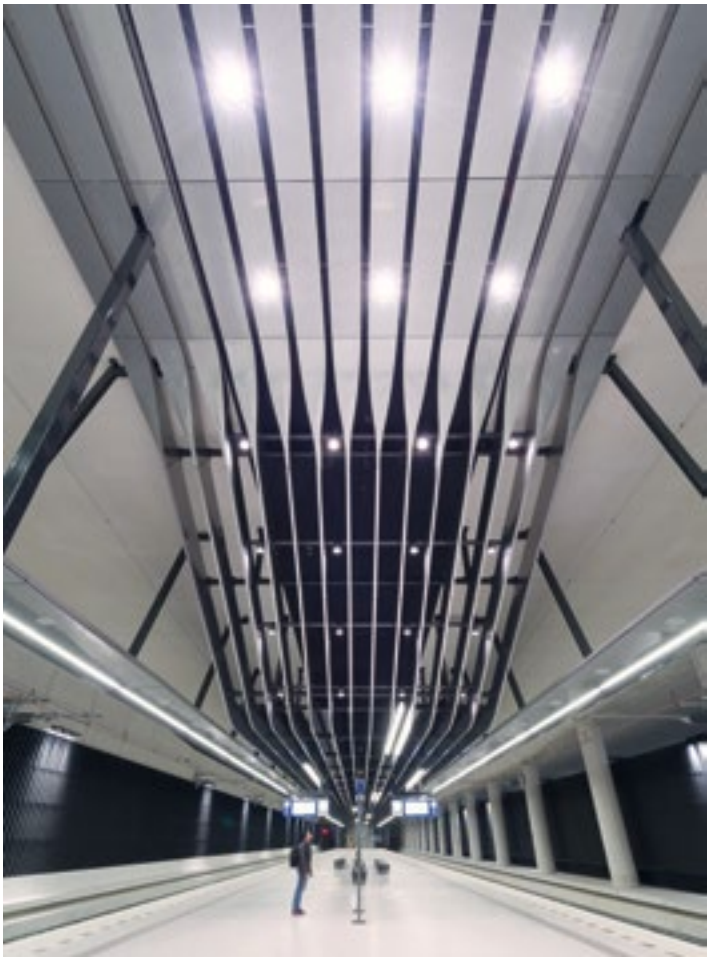
TAIM

EPD

EN 13964
E1

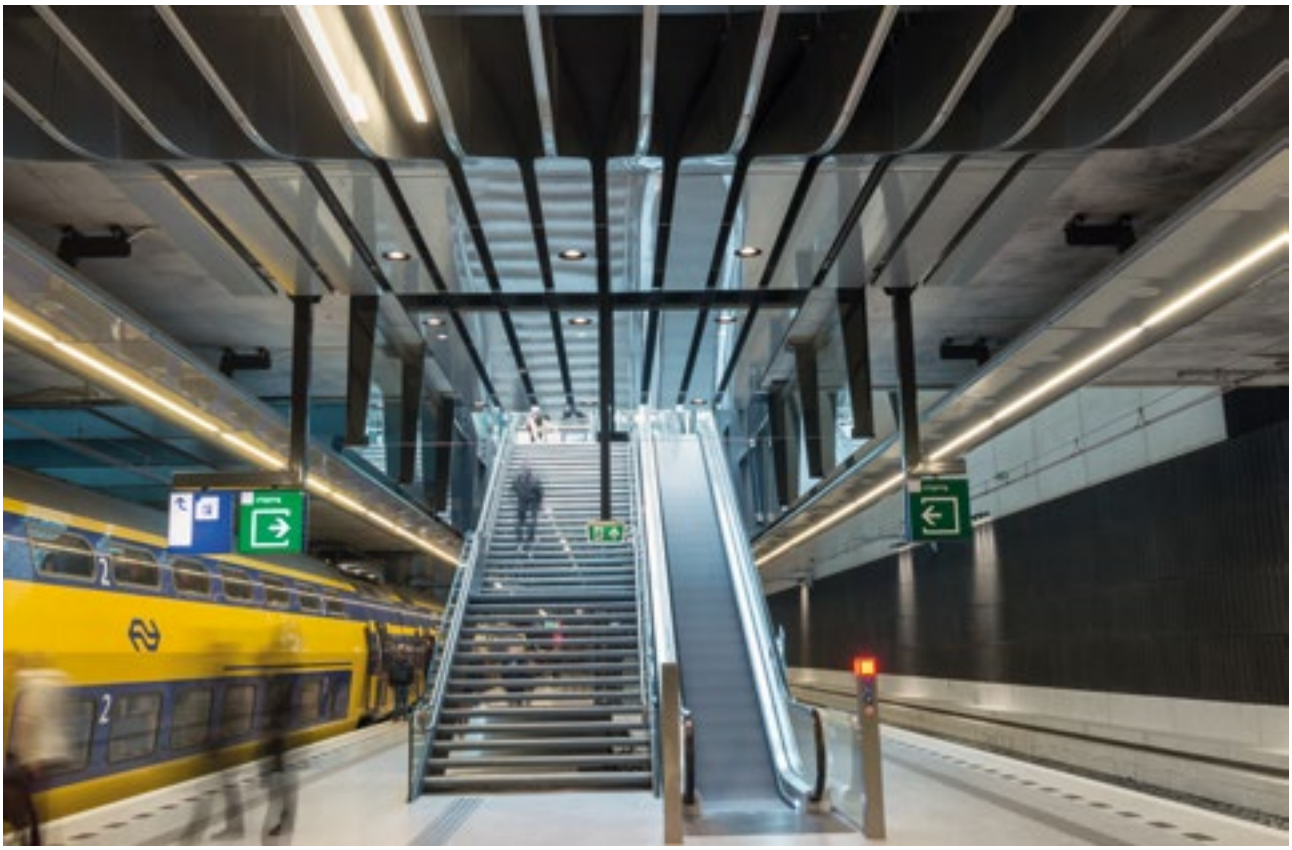
A+
A+ A B C

60%



A UNIQUE CUSTOM CEILING

The underground train station Delft is part of the complete redevelopment of the railway zone in Delft. The project includes among others a tunnel with underground station, parking facilities, new municipal offices, homes and offices, a park and water features. A unique ceiling which was realised by a close cooperation of Hunter Douglas and Benthem Crouwel Architects.



Project: Rome Fiumicino Airport Gate C, Rome, Italy - Product: Custom Baffle Ceiling - Architect: The Design Solution, AdR, SPEA Engineering and Studio Muzzi

THE PROJECT

The refurbishment of Italy's Fiumicino airport in Rome has seen the design and specification of a vast sweeping ceiling canopy incorporating Hunter Douglas Architectural's Custom Baffle ceiling system. The ceiling canopy, which has been designed to let in great amounts of natural light, looks down on over 10.000 m² of luxury retail outlets on the first floor and a 3.000 m² Italian food and beverage street which also features Hunter Douglas Architectural's Custom Baffle system within the ceiling void.

Baffle ceilings are ideal for such environments creating atmosphere, increased spatial awareness and contribute to a highly efficient and comfortable acoustic environment. They have been specified on a number of major transport hubs around the world. Hunter Douglas Architectural experience with the Tavola™ Baffle ceiling has led us in designing this custom solution of a lightweight steel curved composite baffle. The convex and concave curved baffles emphasise the shape of the building. The opening in the ceiling flushes the space with natural daylight, crating a comfortable ambiance for the many travellers passing underneath.

TAIM

EPD

EN 13964
E1

A+
A+ A B C

60%

Project: Goede Doelen Loterij, Amsterdam, The Netherlands - Product: Custom Planks - Architect: Benthem Crouwel Architects

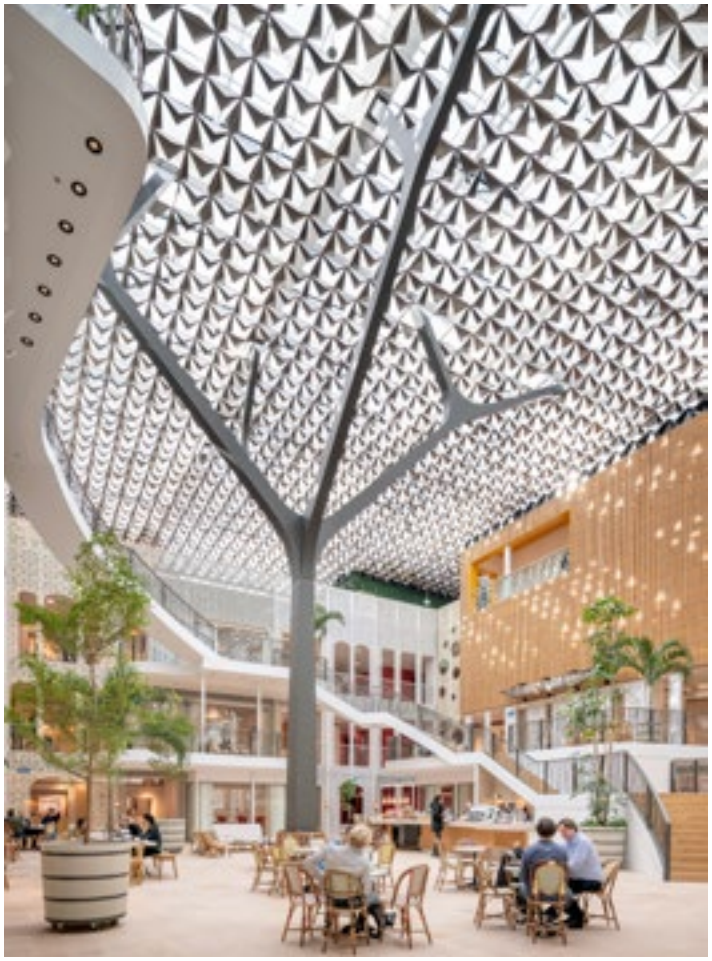
THE PROJECT

The offices of the Dutch Charity Lottery in the trendy Zuidas business district of Amsterdam are located in the most sustainably transformed office building in the Netherlands. The project gained iconic fame. The main reason is the striking leaf canopy that graces the atrium and forecourt at the entrance to the building. In addition to the eye-catching aesthetics, the canopy's architecture reveals high-quality technical innovations, developed by Hunter Douglas.

The office building was designed by architectural firm Benthem Crouwel of Amsterdam. Located on the Amsterdam's Beethovenstraat, the building has been awarded the highest possible sustainability label: BREEAM Outstanding. The certificate is related not just to the sustainability aspects of the design, but also to sustainable choices made during the construction process. The way in which the atrium and entrance ceiling were designed and installed is an important part of this. "The architects' idea was to create a leaf motif in the ceiling that filters light similar to that of a leafy environment". "Both inside and outside, the steel columns of the supporting structure have the irregular shapes of trees and branches. A canopy-like ceiling was the obvious next step. Hunter Douglas designed and produced a flat ceiling, using a total of 3.500 m^2 of roof panels, and making sure the inside and outside panels had the same dimensions. The panels consist of tiles of 650 mm by 650 mm, fixed to an aluminium profile.

SPECIAL LIGHT

The design is based on four triangular leaves folded down in different angles. The sets of four leaves were fixed to the ceiling with 58 different types of mounts to form one big, complicated puzzle. The corners of the panels move like leaves. No two profiles are the same, which produces a very special kind of lighting.



XL*nt*

XL ACOUSTIC PANELS

Project: Noord/Zuidlijn, Amsterdam, The Netherlands - Product: XL Acoustic panels XLnt (Swing-Down) - Architect: Benthem Crouwel Architects

THE PROJECT

The Amsterdam metro North/South Line section is constructed between the stations Amsterdam-Noord (North) and Amsterdam-Zuid (South). This required laying tubes beneath the historic central area of Amsterdam and erecting eight stations; three above ground and five below.

To get enough daylight in the underground areas, as is characteristic for all the underground stations, reflecting walls and ceilings are integrated in the design. Therefore Hunter Douglas created aluminium panels with a high reflective value of 82 percent. In order to improve the acoustics, the ceiling panels are perforated.

TAIM

EN 13964 E1

A+ A B C A+

% 60%

OVERVIEW AND UNIFORMITY

The new interchange hall at Amsterdam Central station was one of the first parts of the North/ South Line that was put in use. The underground area is accessible via three different entrances at the station square. Passengers can change in this hall from/to the existing East Line, the new metro line, as well as the train station.

The ceiling in the interchange hall consists of uniform, rectangular panels of 180 x 90 cm, that are placed in the running direction. These large panels contribute to overview and uniformity, so the travellers can easily orientate themselves.

Project : City Hall Berkelland, The Netherlands
Product : Metal MultiPanel
Architect : IAA Architecten

Project: Goede Doelen Loterij, Amsterdam, The Netherlands
Product: Custom Planks Exterior
Architect: Benthem Crouwel Architects

EXTERIOR CEILINGS

Offering a wide range of design possibilities, exterior ceilings have been developed with the same appearance as the range of Hunter Douglas interior ceilings.

NIREPOLIS

Project : Kinepolis, Braine, Belgium
Product : Exterior wide panel
Architect: Espace Architectes

"AN IMPRESSIVE ENTRANCE WITH A NEW AND MORE MODERN LOOK"

A popular cinema complex in a Belgium municipality has undergone an extensive transformation, with a high-performance Hunter Douglas Architectural exterior metal ceiling creating an impressive entrance.

Kinepolis was keen to update its 10-screen cinema theatre in Braine and as part of the modernisation, 600m² of Luxalon® 300C exterior ceiling was specified. Ideally suited for large, open spaces, the 300C ceiling is made from lightweight, corrosion-resistant aluminium alloy, yet is extremely robust, having been tested for wind load resistance.

Espace Architectes said the cinema chain had used Hunter Douglas products in previous locations and knew that it could rely on the quality and aesthetics.

"The main entrance and the look of the complex were outdated. In order to create a new and more modern look to the building, the decision was taken to add a pentroof," they said.

"This also increases the comfort of our visitors, as it acts like a rain shelter. It was also designed to have lights placed randomly in the ceiling, creating a 'stars' sky. The collaboration with Hunter Douglas was excellent, with technical support on issues such as wind stability provided."

Project: NCIA (NATO), The Hague, The Netherlands
Product: Beta Safety-Loop Exterior
Architect: MVSA Architecten

Project: DIFC Gate Building, Dubai, United Arab Emirates
Product: Exterior Metal 80B
Architect: Gensler Architects

EXTERIOR CEILINGS

SOLID WOOD LINEAR 240

SOLID WOOD GRILL 242

LINEAR PANEL 70U/84R 246

LINEAR MULTIPANEL 30BD/30BXD/80B 250

LINEAR CLOSED 75C/150C/225C 254

LINEAR 150F/200F 258

BAFFLES V100 262

WIDE PANEL 300C/300L 266

PLANKS BETA SAFETY-LOOP 270

STRETCH METAL HOOK-ON SAFETY-LOOP 274

LINEAR
SOLID WOOD

Project: Traveller Pavilion, Amsterdam, The Netherlands - Product: Solid Wood Linear - Architect: Powerhouse Company

KEY FEATURES

- Exterior applications
- Two outside ceiling solutions: Linear open & MultiPanel system
- Panel widths from 70 mm up to 116 mm, depending on wood specie
- Mixed length with a minimum of 900 mm, manufactured inclusive tongue and groove connection. Fixed lengths on request
- Panel thickness from 15 mm up to 20 mm
- Available in different modules and joint width
- For outside application the joint between the panel will be covered with a special Ultra Fiber black glued and stapled
- With the MultiPanel system various widths can be combined to create a dynamic look and feel
- Other sizes are available upon request
- Quick and invisible mounting according to a fixed pattern due to the specially developed fixing method
- Budgetary flexibility thanks to 13 wood species within various price categories
- High-quality finishing specially for outside apllication against moisture, dust and dirt. Transparent or wide range of colours available
- Curved and undulating shapes possible
- Compatible with industry standard lighting, HVAC, speaker, fire safety and security services
- Certified: FSC, PEFC, Cradle to Cradle silver
- Integral guarantee for support systems, wood, finish and fire retardance
- Contribution to obtaining credits within BREEAM and LEED

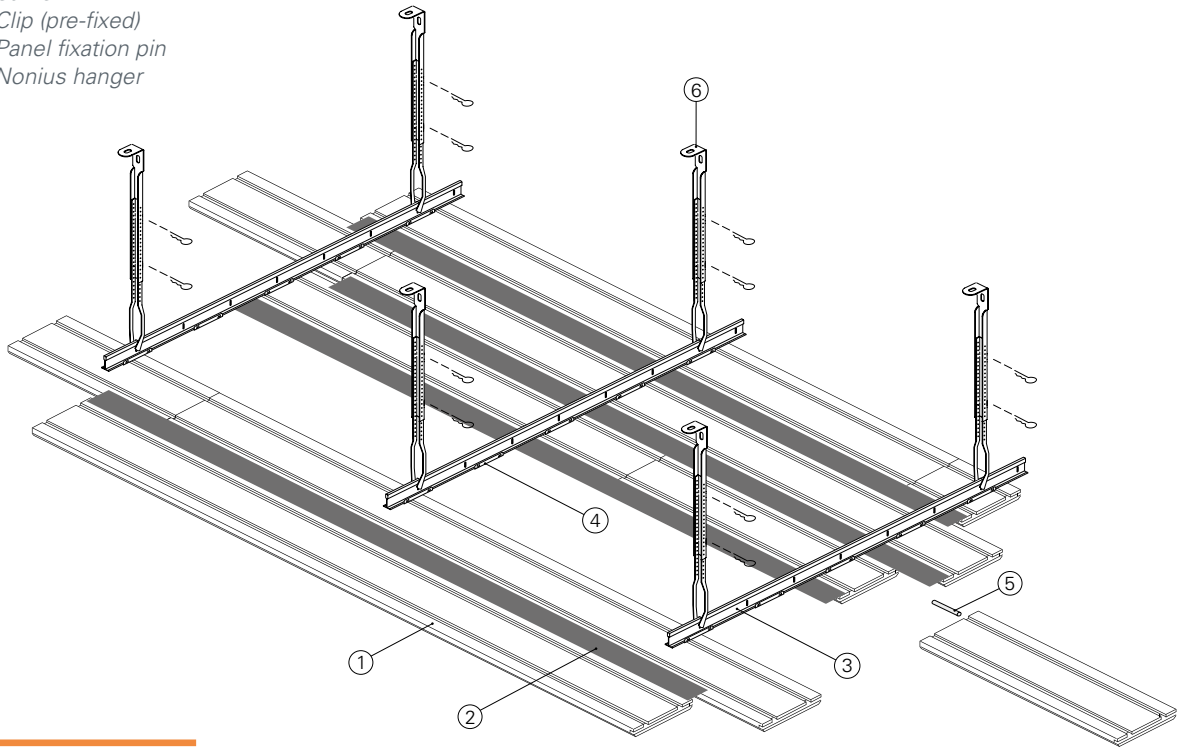
Produced and certified by Derako International

EN 13964
E1

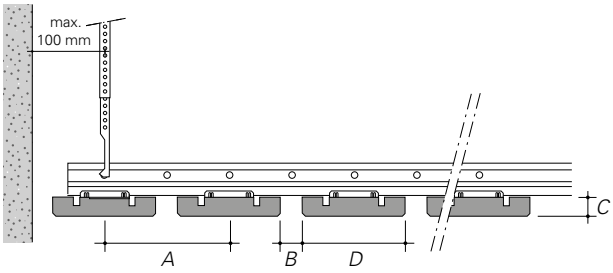
A+

TYPICAL ISOMETRICS

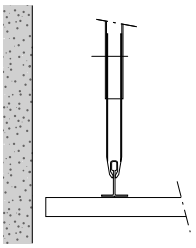
1 = Solid Wood Linear panel
2 = Pre-applied Ultra Fiber black
3 = Carrier
4 = Clip (pre-fixed)
5 = Panel fixation pin
6 = Nonius hanger



TYPICAL SECTIONS



A = Module
B = Joint
C = Panel thickness
D = Panel width



PHYSICAL DATA

B-s2,d0 According to EN 13501-1

5.0 - 12.0 kg/m²

Moist cloth

OPTIONAL

Acoustic cloth
Black

Colours:
See page 244

GRILL
SOLID WOOD

Project: Meander Medical Center, Amersfoort, The Netherlands - Product: Solid Wood Grill, Exterior - Architect: Atelier Pro

KEY FEATURES

- Exterior applications
- Made to measure wooden ceiling solution. Design the sizes of the slats and the distance between the slats. Together this will form the Grill element
- The slat thickness can be between 15 mm and 35 mm, depending on wood specie
- The slat height can be between 40 mm and 140 mm, depending on wood specie
- The distance between the slats can be 25 mm up to 140 mm
- The length of the assembled Grill elements will be determined by the structural conditions. This can vary between 590 mm and 3590 mm, depending on the available raw material
- The Grill element is available with 12 mm or 20 mm metal dowel. The standard colour is black, other colours are on request
- Easily and individually demountable
- Budgetary flexibility thanks to 13 wood species within various price categories
- High-quality finishing against moisture, dust and dirt. Transparent or wide range of colours available
- Curved, undulating and special shapes possible
- Compatible with industry standard lighting, HVAC, speaker, fire safety and security services
- Certified: FSC, PEFC, Cradle to Cradle silver
- Integral guarantee for support systems, wood, finish and fire retardance
- Contribution to obtaining credits within BREEAM and LEED

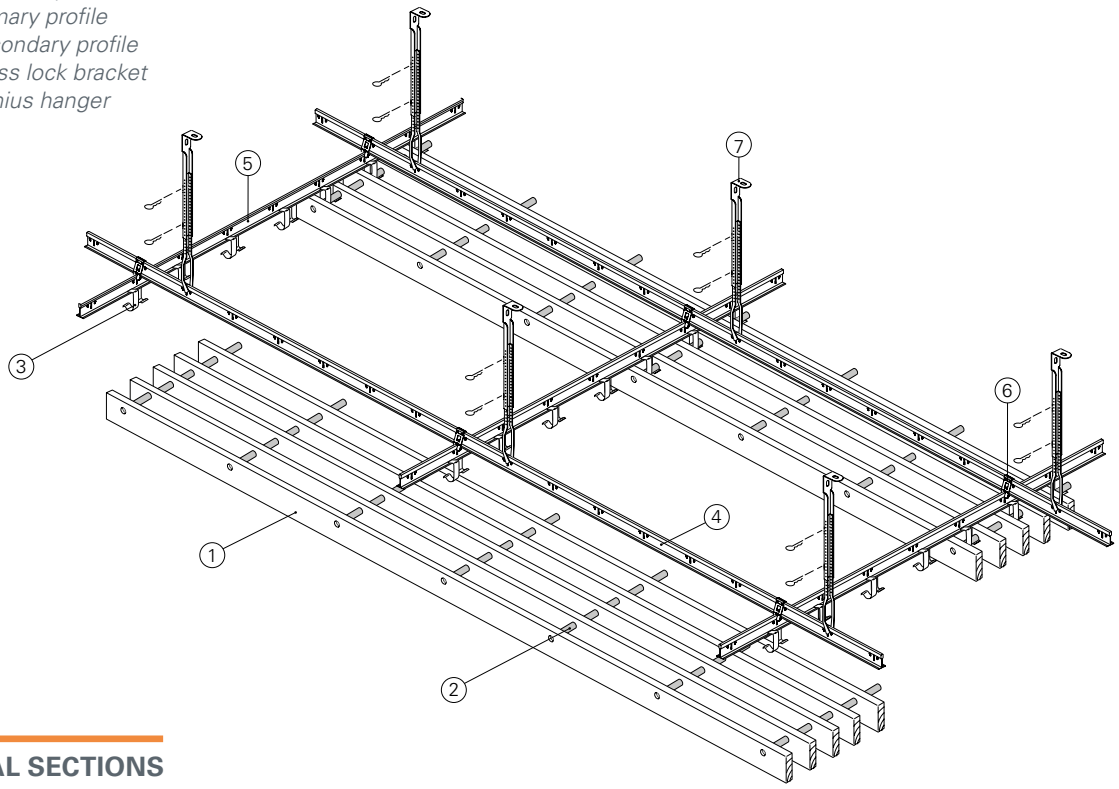
Produced and certified by Derako International

EN 13964
E1

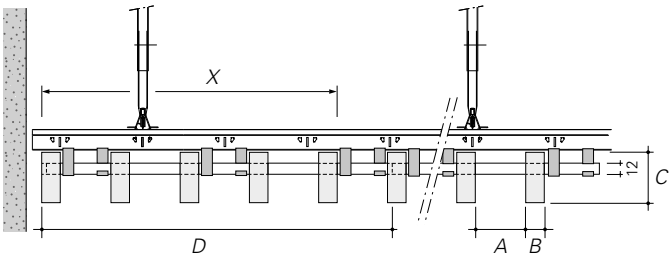
A+

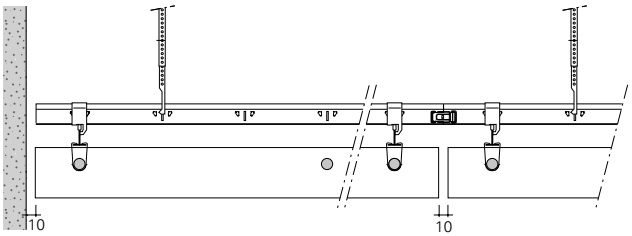
TYPICAL ISOMETRICS

1 = Solid Wood Grill Element
2 = Aluminium dowel
3 = Dowel clip
4 = Primary profile
5 = Secondary profile
6 = Cross lock bracket
7 = Nonius hanger



TYPICAL SECTIONS





A = Joint
B = Slat thickness
C = Slat height
D = Element width
X = Amount of slats

PHYSICAL DATA

B-s2,d0 According to EN 13501-1

6.0 - 15.0 kg/m²

Moist cloth

OPTIONAL

Acoustic cloth
Black

Colours:
See page 244

WOOD SPECIES AND FINISHES

An extensive range of wood species is available, ranging from deep warm colours to light wood tones. Other types of wood possibilities can be looked at on request. Standard, the wood is finished with in a transparent varnish. Optionally a wide range of colour is available. The finish adds a nice touch to the wood with the natural tones and structures of the wood being maintained. For each application the right system coating has to be determined which is needed to protect the wood.

Hunter Douglas offers a wide choice of wood species and finishes. As wood is a 100 per cent natural product, the images below can differ from actual samples or products. Please request a sample at your nearest sales office.

WOOD SPECIES

American White Oak

Siberian Larch

Yellow Pine

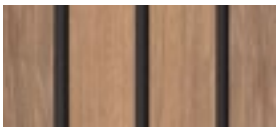
American Ash

European Pine

American Red Oak

European Oak

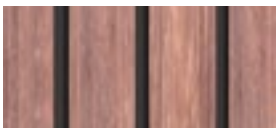
Oregon Pine

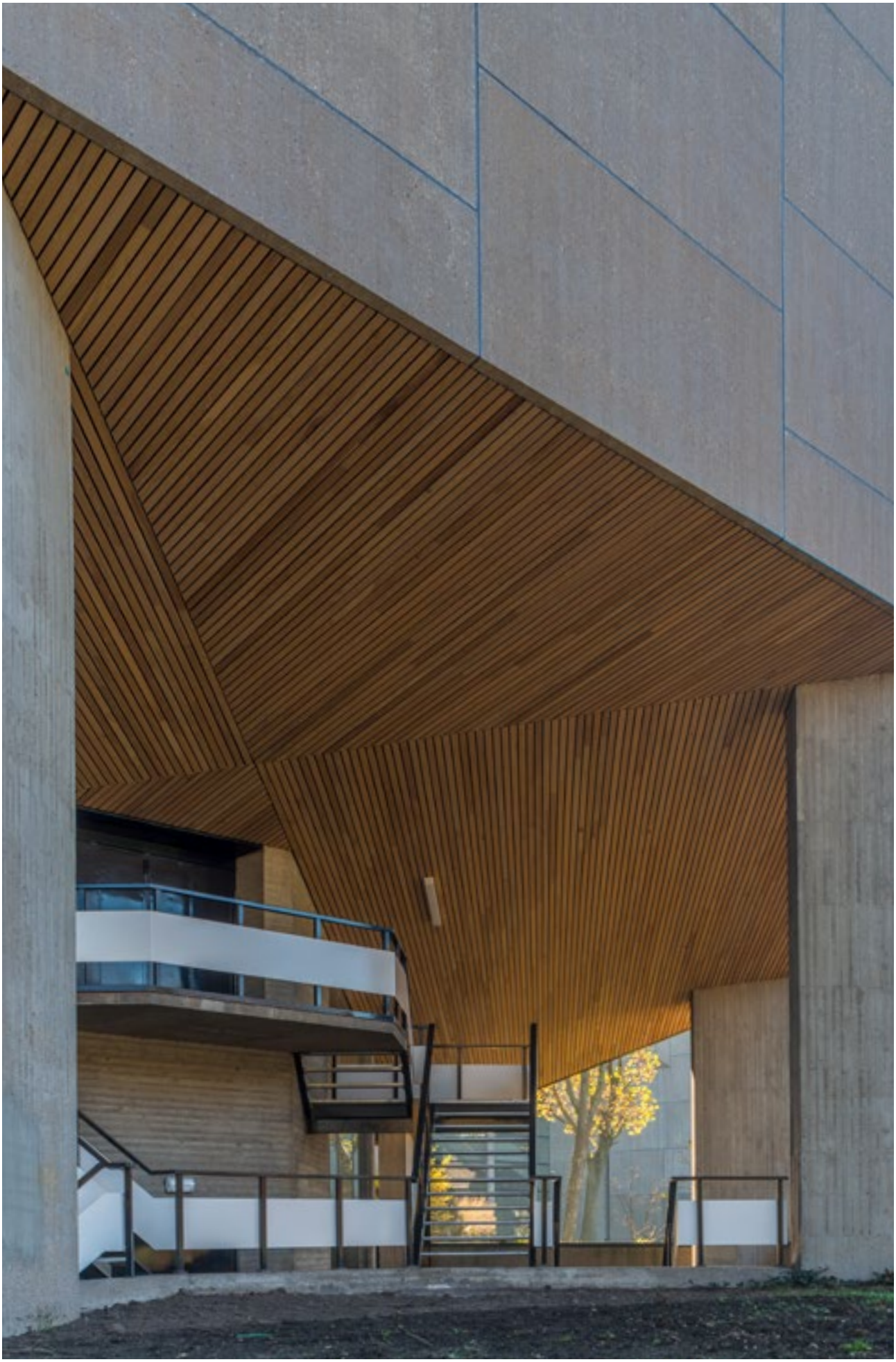

Fràke Noir

Mahogany

Western Red Cedar

Jatoba


Bamboo



Project: Erasmus University, Rotterdam, The Netherlands - Product: Solid Wood Linear, Exterior - Architect: 1974 Elffers van der Heyden en Hoogeveen

METAL

Project: De Voortuinen, Amsterdam, The Netherlands - Product: Metal Linear 70U - Architect: Elephant

KEY FEATURES

- Panel widths: 70 mm (70U) and 84 mm (84R)
- Panel length: 800 mm up to 6000 mm
- Panel depths:
  - 25 mm (70U)
  - 16 mm (84R)
- Special support system (ProFix™) to provide rigid and stable construction for wind load resistance
- On site waste reduction with factory fabricated dimensional material
- Easy plenum access

TAIM

EPD

cradle to cradle CERTIFIED BRONZE

ISO 14001 SGS ISO 9001 SGS

Production by Hunter Douglas Ceiling Center

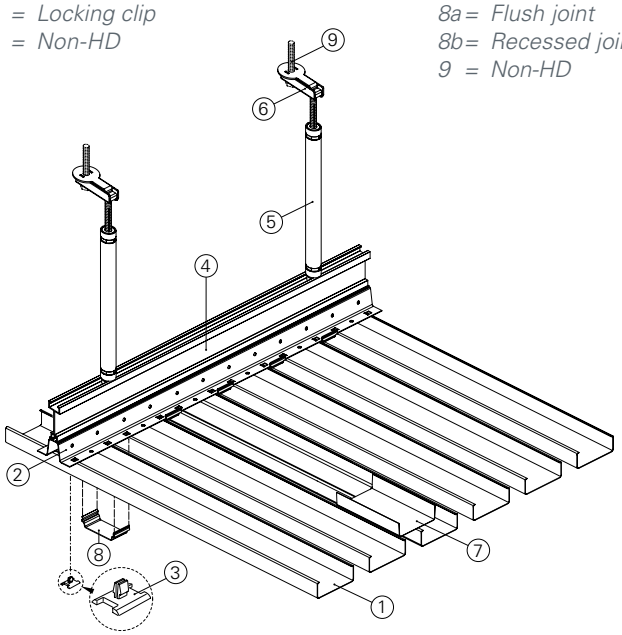
EN 13964 E1

A+ A B C A+

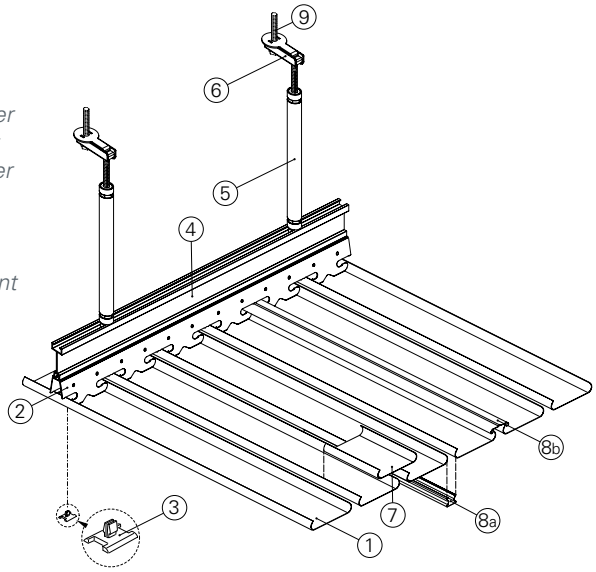
90%

TYPICAL ISOMETRICS

1 = 70U panel
2 = Carrier
3 = Screw washer
4 = Reinforcement
5 = Hanger
6 = Top fixing
7 = Panel splice
8 = Locking clip
9 = Non-HD

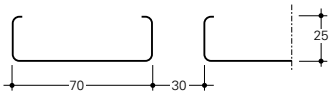


1 = 84R panel
2 = V5 carrier
3 = Screw washer
4 = Profix™ carier
5 = Profix™ hanger
6 = Top fixing
7 = Panel splice
8a = Flush joint
8b = Recessed joint
9 = Non-HD

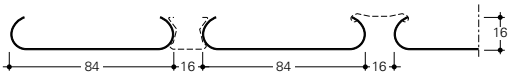


Spans vary with the applicable wind load

TYPICAL SECTIONS

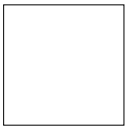


70U



84R

PERFORATION PATTERNS



Plain

PHYSICAL DATA

Plain: A2-s1,d0

Al: 2.2 - 3.2 kg/m²

EN 1191-1-4

Luxacote® finish

Plain

OPTIONAL

Colours:
See page 248

84R only

COLOURS AND FINISHES

Hunter Douglas Architectural offers a wide choice of colours and finishes. Custom colour matching is available upon request. Please contact your local Hunter Douglas sales office for minimum quantities and lead times. See website for the most up to date information. Colours are for illustration purposes only.

PROTECTED BY LUXACOTE®

Luxacote® is a unique treatment for Luxalon® Exterior Ceilings.

Unprecedented Protection
LUXACOTE®
for exterior application

Proprietary Hunter Douglas' Luxacote® makes exterior ceilings extremely durable, providing colour and gloss stability, high scratch resistance, and resistance to corrosion. With Luxacote®, there is no need to recoat, which reduces maintenance costs and additional environmental impact.

Luxacote® protects the aluminium surface from corrosion and permanently anchors the paint to the metal surface. It contains highly colour-stable pigments for optimal colour-fastness and a highly scratch- and wear-resistant surface.

STANDARD LUXACOTE® PAINT COLOURS (84R)

0260 ±RAL 9010 | 1660 ±RAL 7015 | 7035 ±RAL 9007 | 7080 ±RAL 9006 | 0401 ±RAL9016

CUSTOM COLOURS

STANDARD LUXACOTE® PAINT COLOURS (70U)

0401 ±RAL9016 | 7080 ±RAL 9006

CUSTOM COLOURS

Project: De Voortuinen, Amsterdam, The Netherlands - Product: Metal Linear 70U - Architect: Elephant

Project: Poleczki Business Park, Warsaw, Poland - Product: Linear Exterior - Architect: RKW

KEY FEATURES

- Panel widths: 30 mm and 80 mm, joint width 20 mm
- Panel length: 800 mm up to 6000 mm
- Panel depths:
  - 15 mm (80B)
  - 39 mm (30BD)
  - 64 mm (30BXD)
- Square edge design
- Special support system (ProFix™) to provide rigid and stable construction for wind load resistance
- Easy plenum access
- On site waste reduction with factory fabricated dimensional material

TAIM

EPD

cradle to cradle CERTIFIED BRONZE

ISO 14001 SGS ISO 9001 SGS

Production by Hunter Douglas Ceiling Center

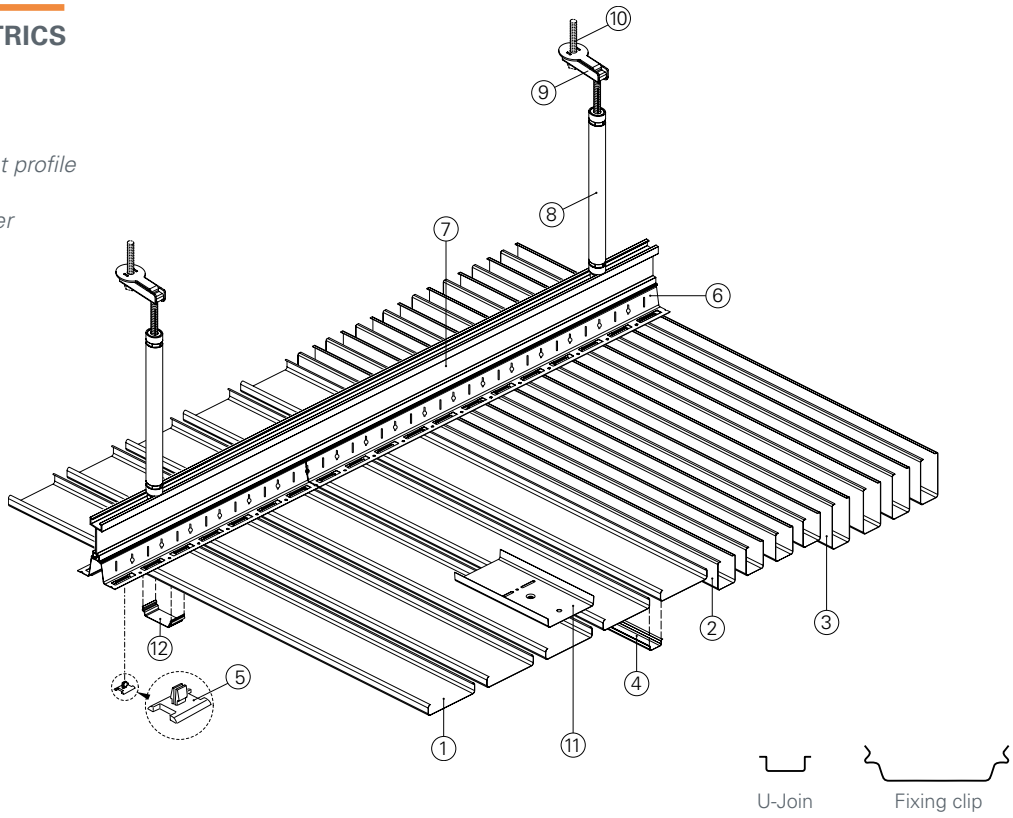
EN 13964 E1

A+ A B C A+

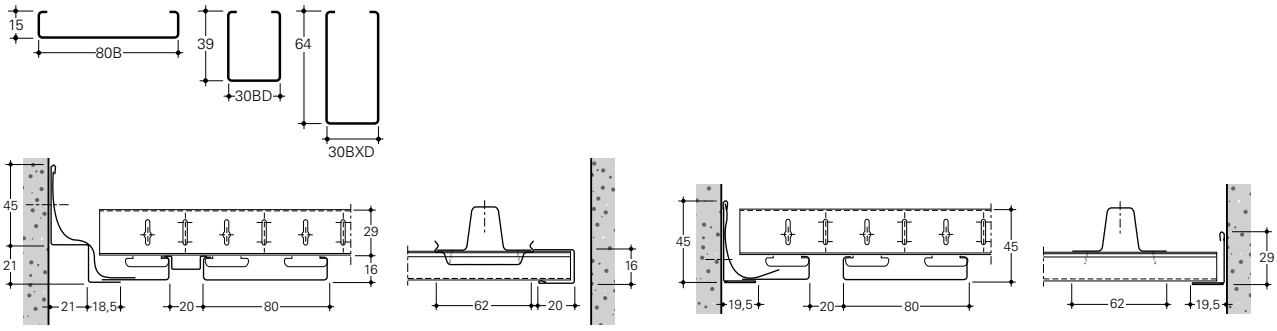
90%

TYPICAL ISOMETRICS

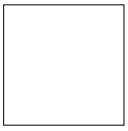
1 = 80B panel
2 = 30BD panel
3 = 30BXD panel
4 = Recessed U-joint profile
5 = Screw washer
6 = MultiPanel Carrier
7 = Reinforcement
8 = Hanger
9 = Top fixing
10 = Non HD
11 = Panel Splice
12 = Fixing clip



TYPICAL SECTIONS



PERFORATION PATTERNS



Plain

PHYSICAL DATA

Plain: A2-s1,d0
30B(X)D: B-s1,d0

Al: 2.1- 4.5 kg/m²

EN 1191-1-4

Luxacote® finish

Plain

OPTIONAL

Colours:
See page 252

COLOURS AND FINISHES

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PROTECTED BY LUXACOTE®

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Unprecedented Protection
LUXACOTE®
for exterior application

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Luxacote® protects the aluminium surface from corrosion and permanently anchors the paint to the metal surface. It contains highly colour-stable pigments for optimal colour-fastness and a highly scratch- and wear-resistant surface.

STANDARD LUXACOTE® PAINT COLOURS (80B, 30BD AND 30BXD)

0260 ±RAL 9010 | 1660 ±RAL 7015 | 7035 ±RAL 9007 | 7080 ±RAL 9006 | 0401 ±RAL9016

All other panel type colours on request.

CUSTOM COLOURS

Project: Ferrari Restaurant, Maranello, Italy - Product: Linear MultiPanel Exterior - Architect: M. Visconti

LINEAR CLOSED 75C/150C/225C
METAL

Project: Poleczki Business Park, Warsaw, Poland - Product: Linear Closed Exterior - Architect: RKW

KEY FEATURES

- Panel widths: 75, 150 and 225 mm
- Panel length: 800 mm up to 6000 mm
- Panel depth: 15 mm
- Special support system (ProFix™) to provide rigid and stable construction for wind load resistance
- On site waste reduction with factory fabricated dimensional material
- Easy plenum access

TAIM

EPD

cradle to cradle CERTIFIED BRONZE

ISO 14001 SGS ISO 9001 SGS

Production by Hunter Douglas Ceiling Center

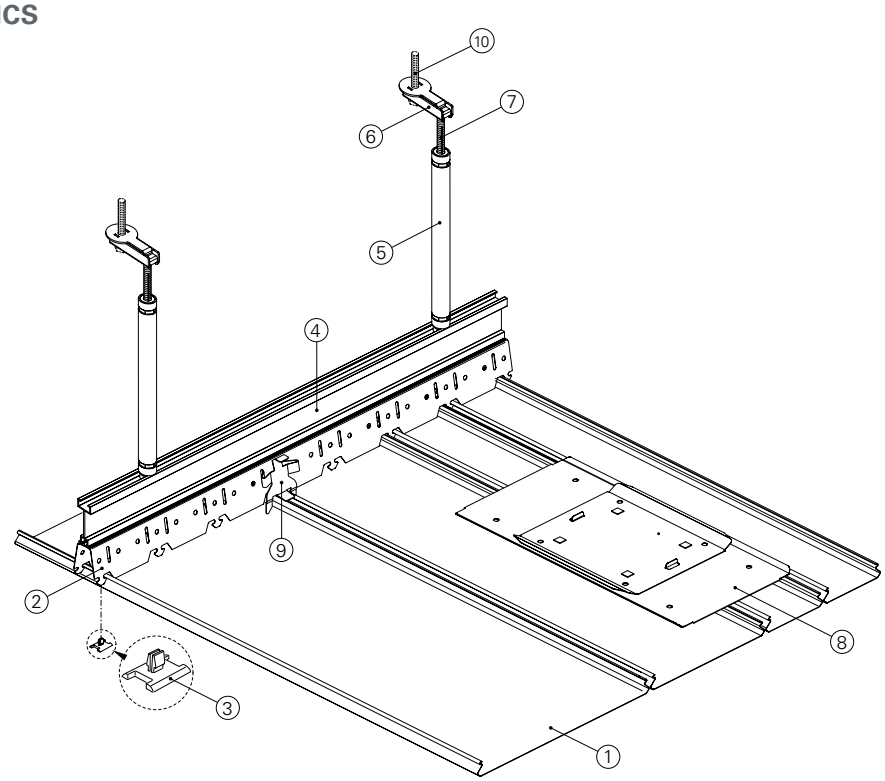
EN 13964
E1

A+ A B C
A+

90%

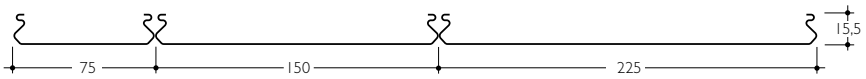
TYPICAL ISOMETRICS

1 = Panel
2 = Carrier
3 = Screw washer
4 = Reinforcement
5 = Hanger
6 = Top fixing
7 = Threaded rod
8 = Panel splice
9 = Locking clip
10 = Non-HD

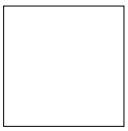


Spans vary with the applicable wind load

TYPICAL SECTIONS



PERFORATION PATTERNS



Plain

PHYSICAL DATA

Plain: A2-s1,d0

Al: 4.5- 5.0 kg/m²

EN 1191-1-4

Luxacote® finish

Plain

OPTIONAL

Colours:
See page 256

COLOURS AND FINISHES

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STANDARD LUXACOTE® PAINT COLOURS (75C EXTERIOR)

0260 ±RAL 9010 | 1660 ±RAL 7015 | 7035 ±RAL 9007 | 7080 ±RAL 9006 | 0401 ±RAL9016

CUSTOM COLOURS

STANDARD LUXACOTE® PAINT COLOURS (150C AND 225C EXTERIOR)

0260 ±RAL 9010 | 7080 ±RAL 9006

CUSTOM COLOURS

Project: Łódź University, Łódź, Poland - Product: MultiPanel Exterior - Architect: OOA

Project: Service Station Texaco, Heverlee, Belgium - Product: Exterior Ceiling - Architect: Abscis Architecten

KEY FEATURES

- Panel widths: 150 mm (150F) and 200 mm (200F)
- Panel length: 800 mm up to 6000 mm
- Special support system (ProFix™) to provide rigid and stable construction for wind load resistance
- Both panels can be combined in one installation (fixed on screw clamps)
- On site waste reduction with factory fabricated dimensional material
- Easy plenum access

TAIM

EPD

cradle to cradle CERTIFIED BRONZE

ISO 14001 SGS ISO 9001 SGS

Production by Hunter Douglas Ceiling Center

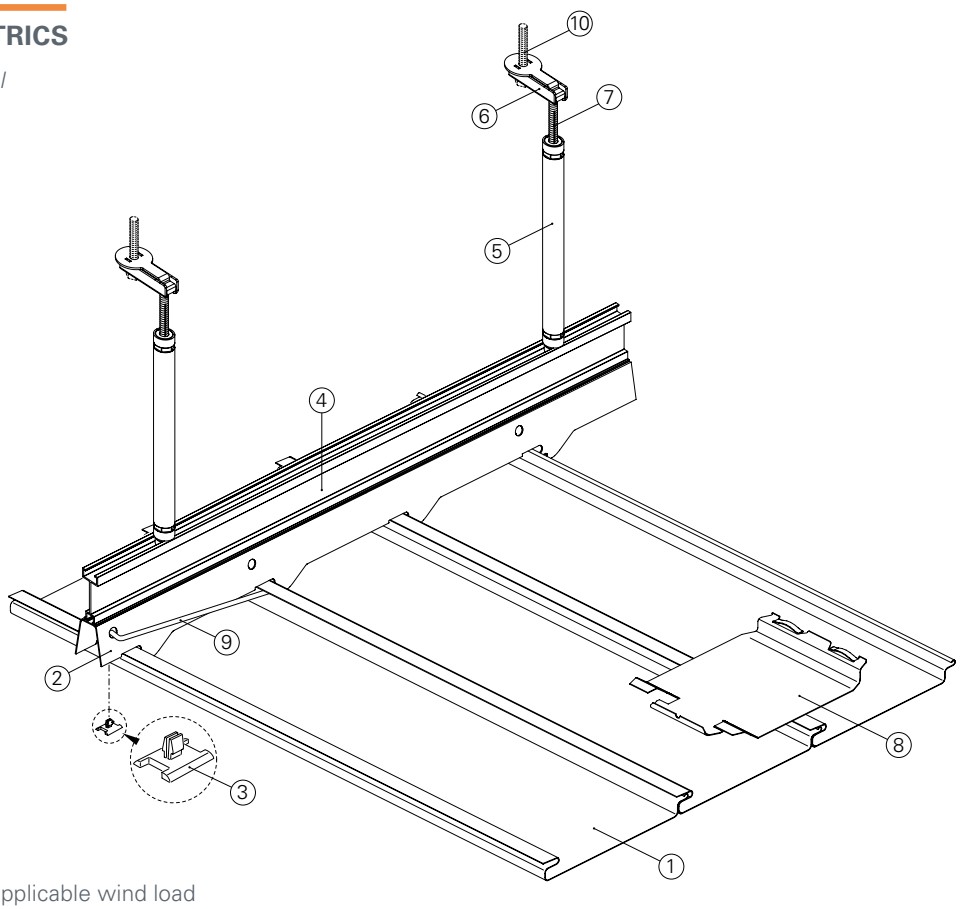
EN 13964
E1

A+ A B C
A+

90%

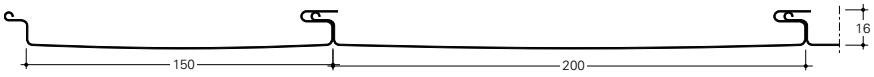
TYPICAL ISOMETRICS

1 = 150F/200F panel
2 = Carrier
3 = Screw washer
4 = Reinforcement
5 = Hanger
6 = Top fixing
7 = Threaded rod
8 = Panel splice
9 = U-bracket
10 = Non-HD



Spans vary with the applicable wind load

TYPICAL SECTIONS



150F *200F*

PERFORATION PATTERNS

Plain

PHYSICAL DATA

Plain: A2-s1,d0

Al: 4.8- 8.2 kg/m²

EN 1191-1-4

Luxacote® finish

Plain

OPTIONAL

Colours:
See page 260

COLOURS AND FINISHES

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STANDARD LUXACOTE® PAINT COLOURS

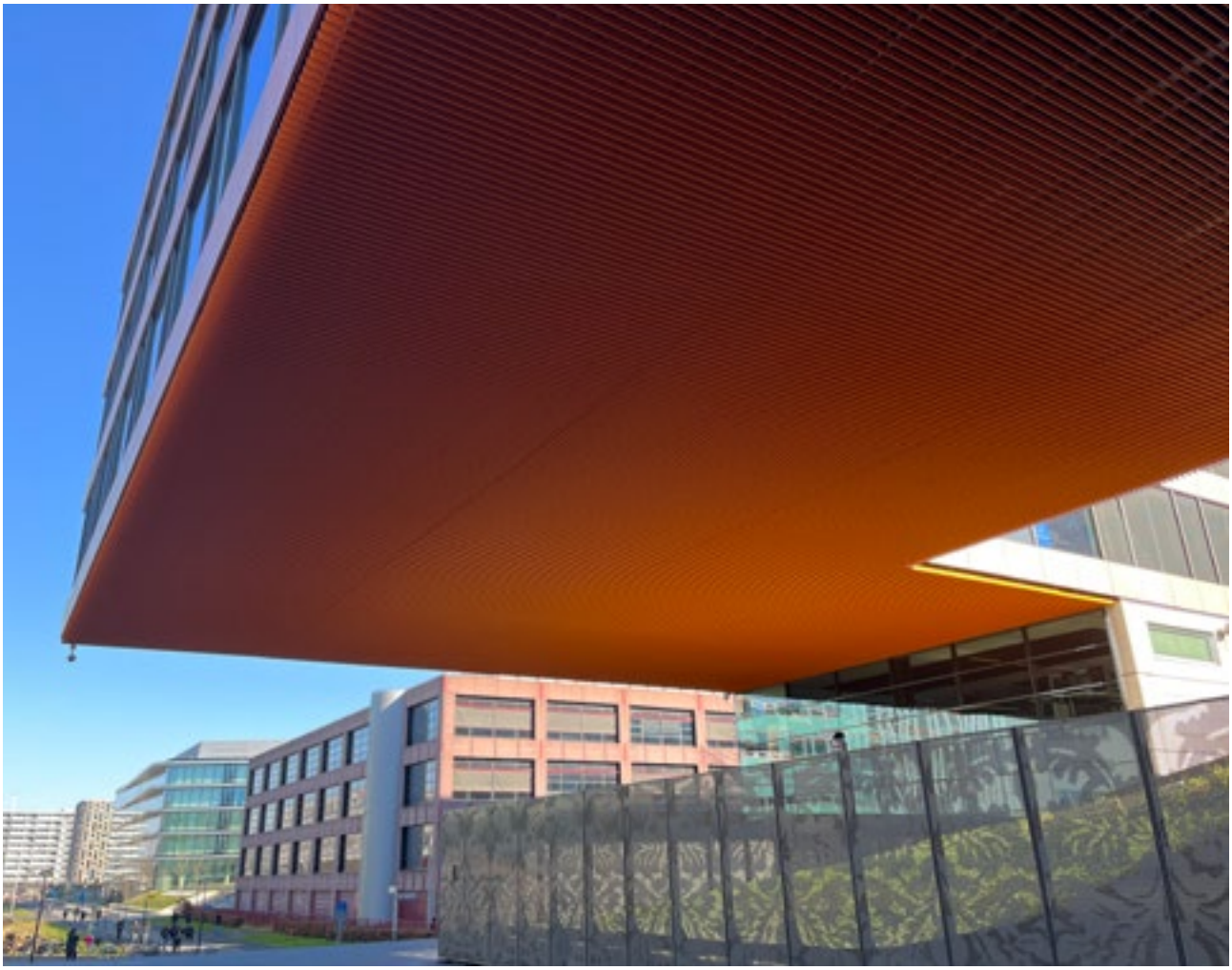
0260
±RAL 9010

7080
±RAL 9006

0401
±RAL9016
(150F only)

CUSTOM COLOURS

Project: Rabobank Hoeksche Waard, Heinenoord, The Netherlands - Product: Exterior Ceiling - Architect: Architektenburo Roos en Ros BV BNI BNA



Project: ING Bank, Amsterdam, The Netherlands - Product: Metal Linear V100 - Architect: Benthem Crouwel Architects

KEY FEATURES

- Panel height: 101 mm
- Panel length: 800 mm up to 6000 mm
- Special support system (ProFix™) to provide rigid and stable construction for wind load resistance
- On site waste reduction with factory fabricated dimensional material
- Easy plenum access

TAIM

EPD

cradle to cradle CERTIFIED BRONZE

ISO 14001 SGS ISO 9001 SGS

Production by Hunter Douglas Ceiling Center

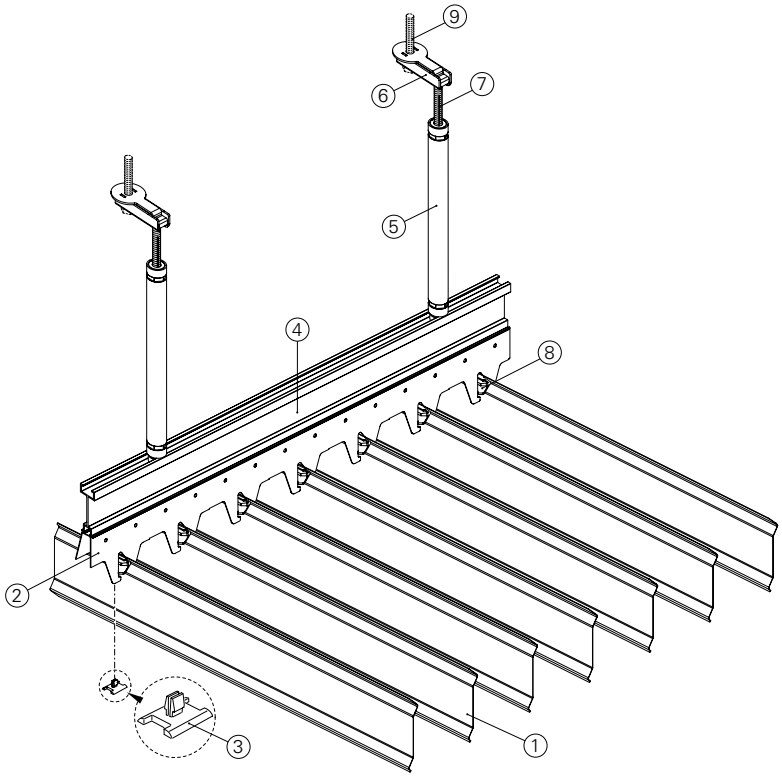
EN 13964
E1

A+ A B C
A+

90%

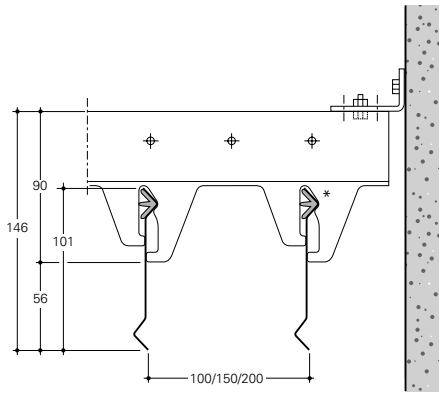
TYPICAL ISOMETRICS

1 = V100 panel
2 = Carrier
3 = Screw washer
4 = Reinforcement
5 = Hanger
6 = Top fixing
7 = Threaded rod
8 = Locking clip
9 = Non-HD



Spans vary with the applicable wind load

TYPICAL SECTIONS



PERFORATION PATTERNS

Plain

PHYSICAL DATA

Plain: A2-s1,d0

Al: 3.0 kg/m²

EN 1191-1-4

Luxacote® finish

Plain

OPTIONAL

Colours:
See page 264

COLOURS AND FINISHES

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All colours on request, minimum quantities apply, contact our sales office for possibilities.

CUSTOM COLOURS

Project: Distributiecentrum, Tilburg, The Netherlands - Product: Baffles V100 - Architect: Jeroen Weijers, Van Oers Weijers Architecten

WIDE PANEL 300C/300L
METAL

Project: Radison SAS Hotel, Copenhagen, Denmark - Product: Wide Panel 300C - Architect: BBP Arkitekter

KEY FEATURES

- Panel width: 300 mm
- Panel length: 1000 mm up to 6000 mm
- Bevel edge design (300C) and square edge design (300L)
- Special support system (ProFix™) to provide rigid and stable construction for wind load resistance
- On site waste reduction with factory fabricated dimensional material
- Easy plenum access

TAIM

EPD

cradle to cradle CERTIFIED BRONZE

ISO 14001 SGS ISO 9001 SGS

Production by Hunter Douglas Ceiling Center

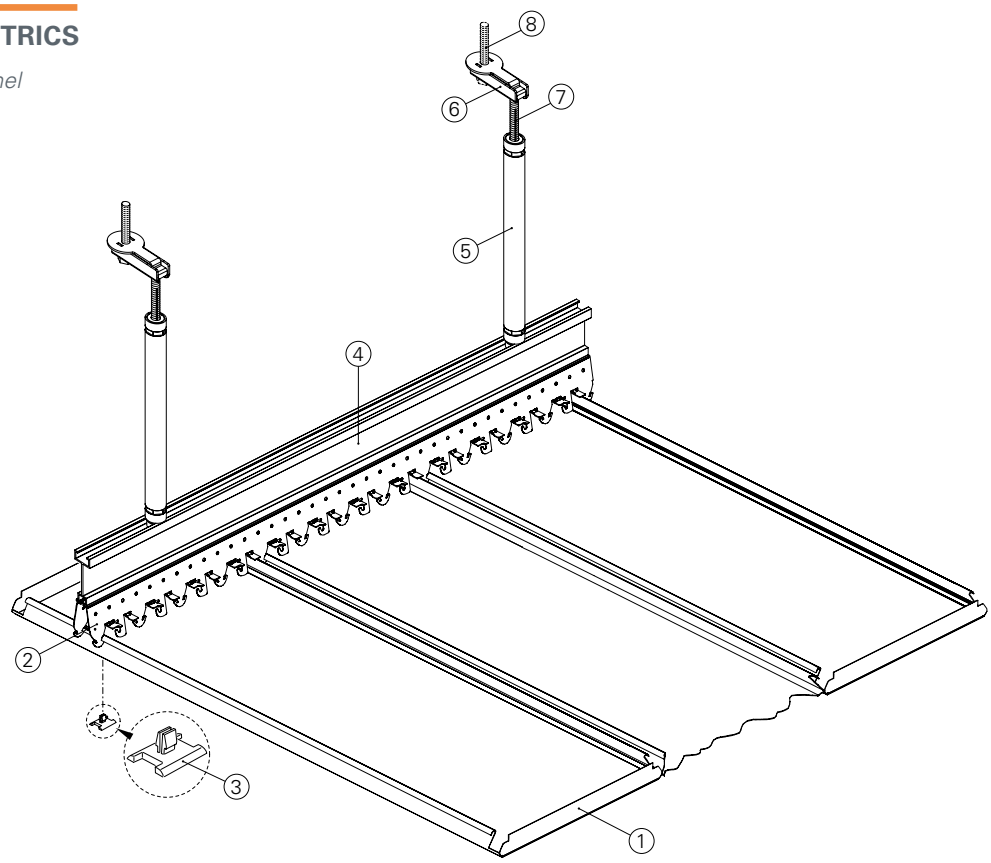
EN 13964
E1

A+ A B C
A+

90%

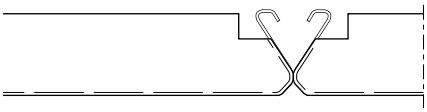
TYPICAL ISOMETRICS

1 = 300C/300L panel
2 = Carrier
3 = Screw washer
4 = Reinforcement
5 = Hanger
6 = Top fixing
7 = Threaded rod
8 = Non-HD

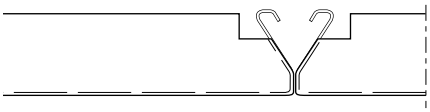


Spans vary with the applicable wind load

TYPICAL SECTIONS

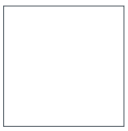


300C



300L

PERFORATION PATTERNS



Plain

PHYSICAL DATA

Plain: A2-s1,d0

Al: 3.0 kg/m²

EN 1191-1-4

Luxacote® finish

Plain

OPTIONAL

Colours:
See page 268

COLOURS AND FINISHES

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STANDARD LUXACOTE® PAINT COLOURS

0260
±RAL 9010

1660
±RAL 7015

7080
±RAL 9006

0401
±RAL9016

CUSTOM COLOURS

Project: Red Apple, Rotterdam, The Netherlands - Product: Wide Panel 300C - Architect: KCAP

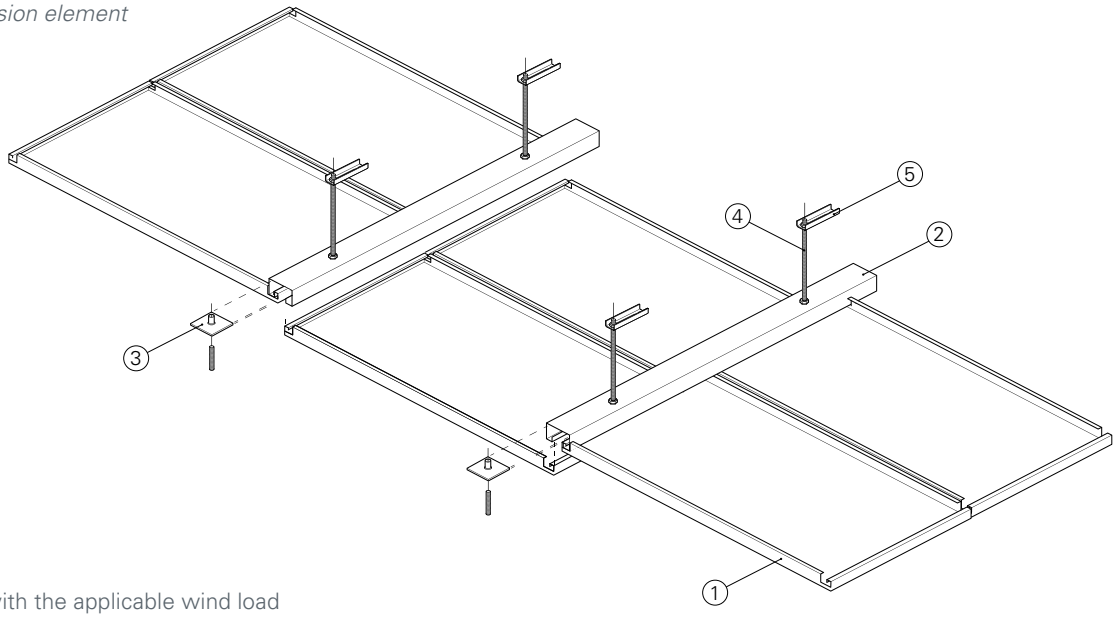
Project: NCIA (NATO), The Hague, The Netherlands - Product: Planks Beta Safety-Loop - Architect: MVSA Architecten

KEY FEATURES

- Panel sizes:
  - minimum: 300 x 520 mm
  - maximum: 1050 x 1800 mm
- Square edge design
- Special Safety-Loop system to provide rigid and accessible construction with wind load resistance
- On site waste reduction with factory fabricated dimensional material
- Downweight: reduce static load with lightweight aluminium
- Easy plenum access

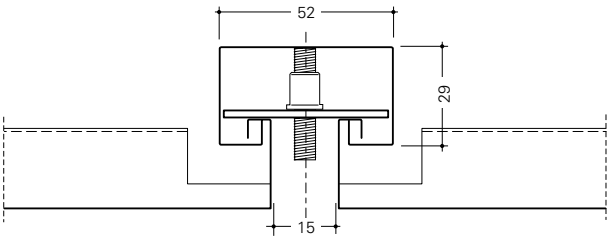
TYPICAL ISOMETRICS

1 = Hook-On plank
2 = Safety-Loop profile
3 = Locking plate with screw
4 = Threaded rod
5 = Suspension element

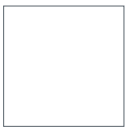


Spans vary with the applicable wind load

TYPICAL SECTIONS



PERFORATION PATTERNS



Plain

PHYSICAL DATA

Al: 4.5 kg/m²

EN 1191-1-4

Plain

OPTIONAL

Colours:
See page 272

COLOURS AND FINISHES

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STANDARD PAINT COLOURS

Signal White RAL 9003

Traffic White RAL 9016

Pure White RAL 9010

White Aluminium RAL 9006

Jet Black RAL 9005

CUSTOM COLOURS

Project: PA Consult C&H, Copenhagen, Denmark - Product: Planks Beta Safety-Loop - Architect: Perlt&Black a/s C&H

Project: Elementary School Vogelzang, Oostakker, The Netherlands - Product: Hook-On Safety-Loop Exterior - Architect: PLANOMATIC

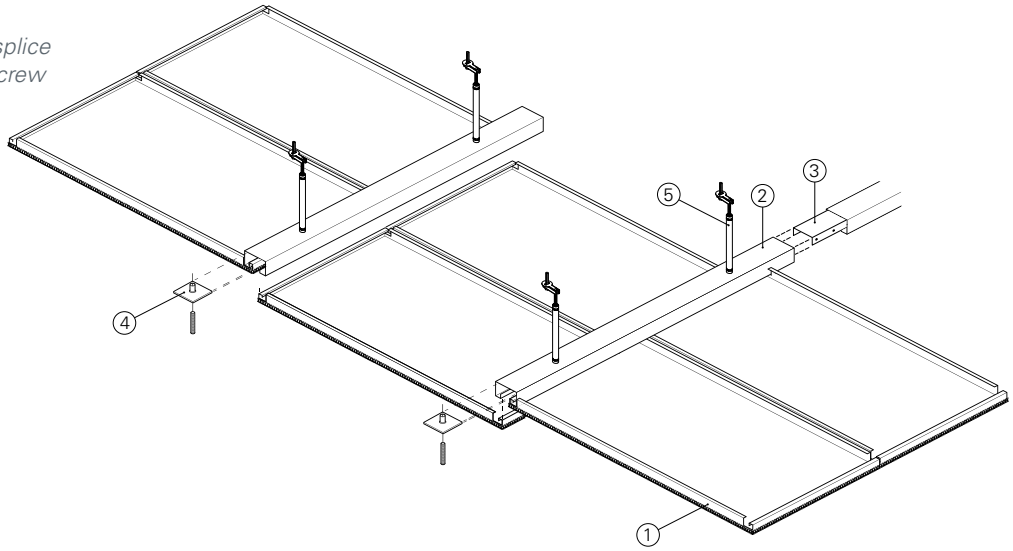
KEY FEATURES

- Panel sizes:
  - minimum: 300 x 520 mm
  - maximum: 1050 x 1800 mm
- Square edge design
- Special Safety-Loop system to provide rigid and accessible construction with wind load resistance
- On site waste reduction with factory fabricated dimensional material
- Downweight: reduce static load with lightweight aluminium
- Easy plenum access

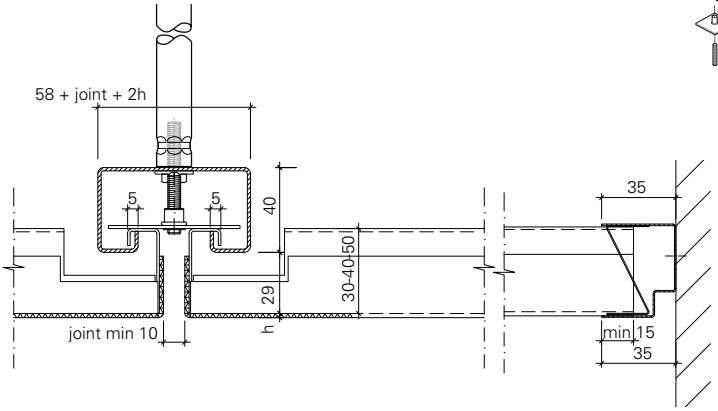
TYPICAL ISOMETRICS

1 = Hook-On plank
2 = Safety-Loop profile
3 = Safety-Loop profile splice
4 = Locking plate with screw
5 = Profix™ suspension

Spans vary with
the applicable wind load

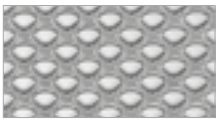


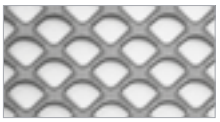
TYPICAL SECTIONS



MESH PATTERNS

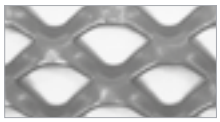
Standard patterns shown. See page 346 for all mesh patterns and technical details.
Scale shown: 1:1, unless otherwise noted.


LS6 (Fe)


LS8 (Fe)

LS10 (Fe)

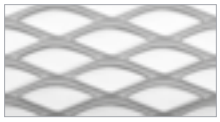
LS12 (Fe)

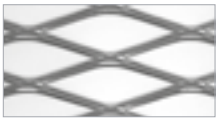

LS16 (Fe)

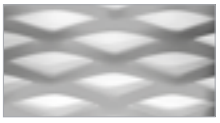
LD10 (Fe)

LD16 (Fe)

LD20 Rotterdam (Fe)
(Scale 1:2)


LD28 Moscow (Fe)
(Scale 1:2)


LD43 Paris (Fe)
(Scale 1:2)


LD62 Dubai (Fe)
(Scale 1:4)

LD85 New York (Fe)*
(Scale 1:4)

** Panel width and length must be divisible by the mesh module*

PHYSICAL DATA

Depends on
Mesh type

Colours:
See page 276

Varies with finish

Alu

Class B

COLOURS AND FINISHES

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STANDARD PAINT COLOURS

Signal White RAL 9003

Traffic White RAL 9016

Pure White RAL 9010

White Aluminium RAL 9006

Jet Black RAL 9005

CUSTOM COLOURS

Project: Hotel de ville, Montigny-le-Tilleul, Belgium - Product: Hook-On Safety-Loop Exterior - Architect: V Bureau Bouwtechniek

Project: De Voortuinen, Amsterdam, The Netherlands
Product: Metal Linear 70U
Architect: Elephant

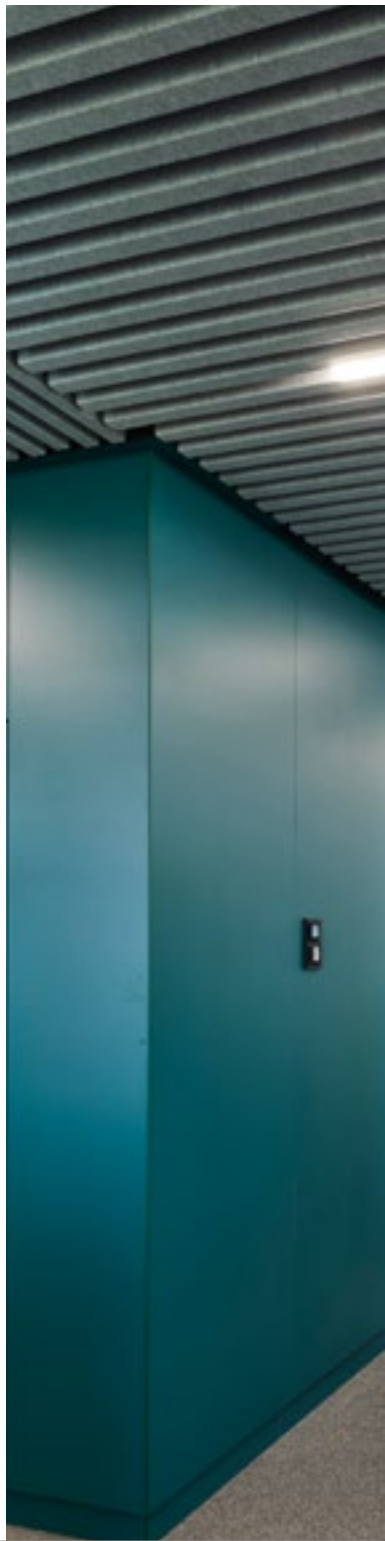
Project: Ahoy, Rotterdam, The Netherlands
Product: Cell 50
Architect: Kraaijvanger Architects

OFFICES
EXHIBITION &
EVENT HALLS

Project: Station, Coina, Portugal
Product: Wide Panel 300C
Architect: Mata Guedes

WALL SYSTEMS

With a 60 year legacy of product innovation, our wall systems lead in design, function and sustainability.



Project : DFB Campus, Frankfurt, Germany
Product : HeartFelt® Linear
Ceiling and Wall system
Architect: kadawittfeldarchitektur

"HEARTFELT® HAS A HOMELY, INVITING CHARACTER"

The architectural firm kadawittfeldarchitektur chose the HeartFelt® ceiling and wall system for the construction of the new German Football Association (DFB) campus in Frankfurt am Main, due to its unique acoustic properties. Installed on a total area of 1,200 m², HeartFelt® creates a warm atmosphere in the DFB offices as a modular ceiling system and in the press room as a linear wall system. A pleasure for the eyes and ears with the highest level of sustainability.

The office areas in the new DFB building complex follow an open plan concept, which means they are spacious and airy. This meant that acoustic properties played an important role when selecting the ceiling. Conventional aluminium slat ceilings are often used in office buildings, but here, a felt slat ceiling was chosen. In the office areas and hallways of the academy, HeartFelt® felt panels were installed on all floors, measuring 40x55 mm, with module 80 (distance between the panels) in grey 7596.
Lars Junold, project manager at kadawittfeldarchitektur, explains: "We were looking for a modular system that would make it possible to integrate revisions invisibly into the reflected ceiling plan. With a closed ceiling, such as plasterboard, countless inspection openings in the form of flaps in the ceiling would have been necessary. The modular HeartFelt® system makes it easy to rework slats where necessary, without having to remove the entire ceiling. Another nice aspect is that HeartFelt® has a homely, inviting character when compared to aluminium ceilings because the material is less technical and sombre. There is also a wide range of beautiful colours, so you can choose from a relatively wide range of colours, not just a few standard shades."

Project: Innovation Center Matrix ONE, Amsterdam, The Netherlands
Product: HeartFelt® Linear Ceiling and Wall system
Architect: MVRDV

Project: CentrO Oberhausen, Germany
Product: HeartFelt® Linear Wall System
Architect: HPP

WALL SYSTEMS

HEARTFELT® LINEAR 288
HEARTFELT® GROOVE 290
SOLID WOOD LINEAR 294
SOLID WOOD GRILL 296
VENEERED WOOD LINEAR 300
VENEERED WOOD GRILL 302
VENEERED WOOD PANELS 304
VENEERED WOOD TOPLINE 306
PROJECT SOLUTIONS 312

Project: Parly 2, Le Chesnay, France - Product: HeartFelt® Linear Wall systems - Architect: Saguez & Partners

KEY FEATURES

- Modular wall system with felt panels
- Panel dimensions
  Boxshaped: 40 x 55 mm
  Rounded : 40 x 64 mm
- Panel length: 1000 up to 6000 mm
- Sixteen standard carrier modules to vary reveal (M50-M200) for acoustics and aesthetics
- Easy wall cavity access
- Interior applications

OEKO TEX® STANDARD 100 1702004 Centexbel www.oeko-tex.com

EPD

cradle to cradle CERTIFIED BRONZE

SGS ISO 14001 SGS ISO 9001

Production by Hunter Douglas Ceiling Center

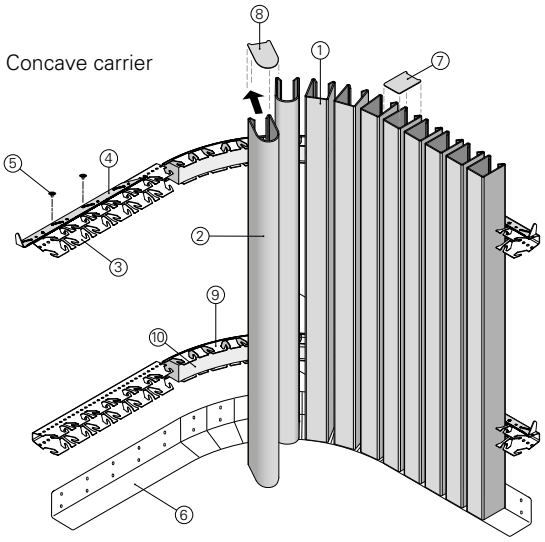
EN 13964 E1

A+ A+ A B C

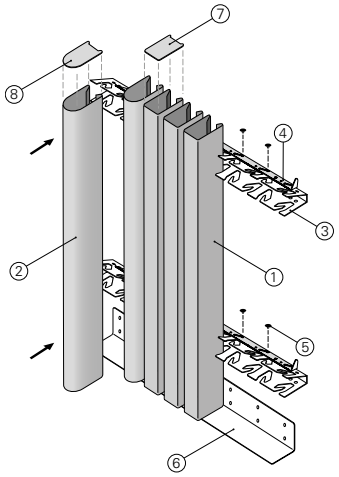
TYPICAL ISOMETRICS

1 = HeartFelt® panel 40HL55
2 = HeartFelt® panel 40HR64
3 = Carrier (straight)
4 = Locking strip
5 = Push nail
6 = Support profile (Non-HD)
7 = End caps 40HL55 (Optional)
8 = End caps 40HR64 (Optional)
9 = Carrier (curved)
10 = PES wool (34 x 20 D40 kg/m³)

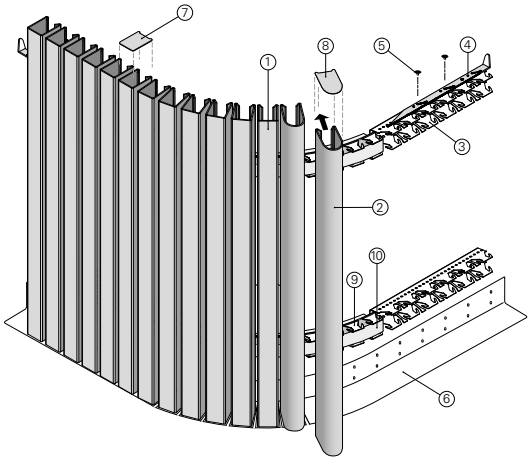
Concave carrier



Straight carrier

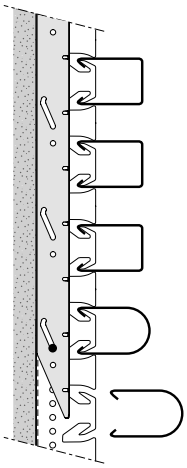


Convex carrier

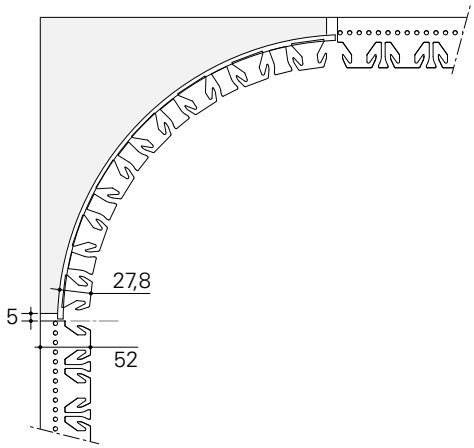


Maximum panel span 800 mm, maximum panel cantilever 150 mm
Maximum carrier span 750 mm, maximum carrier cantilever 300 mm

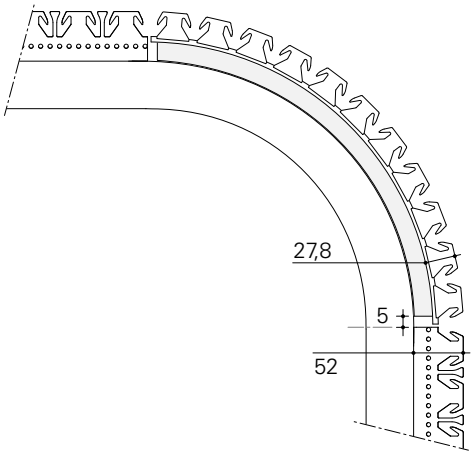
TYPICAL HORIZONTAL SECTION



Straight carrier



Concave carrier



Convex carrier

PHYSICAL DATA

B-s1,d0

Varies with colour

40HL55 M50:
α_W = 0.70 m² (H)
40HL105 M200:
α_W = 0.40 m² (H)

40HL55 M50:
2.9 kg/m²
40HL105 M200:
1.3 kg/m²

Class B

OPTIONAL

Colours:
See page 292

Ceiling solutions:
see page 28

GROOVE
HEARTFELT®

Project: Visualisation - Product: HeartFelt® Groove Wall

KEY FEATURES

- Modular wall system with felt panels
- Panel dimensions: 60 x 50 mm
- Panel length: 1000 up to 6000 mm
- One standard carrier black with module 80
- Groove panel is characterized by a special W-form
- Clever visual end result: optically a wall system with very slim lamellas, each 20 mm wide, each with an optical distance of 20 mm
- Easy wall cavity access
- Interior applications
- Also available as ceiling solution

OEKO TEX® STANDARD 100 1702004 Centexbel www.oeko-tex.com

EPD

cradle to cradle CERTIFIED BRONZE

ISO 14001 SGS ISO 9001 SGS

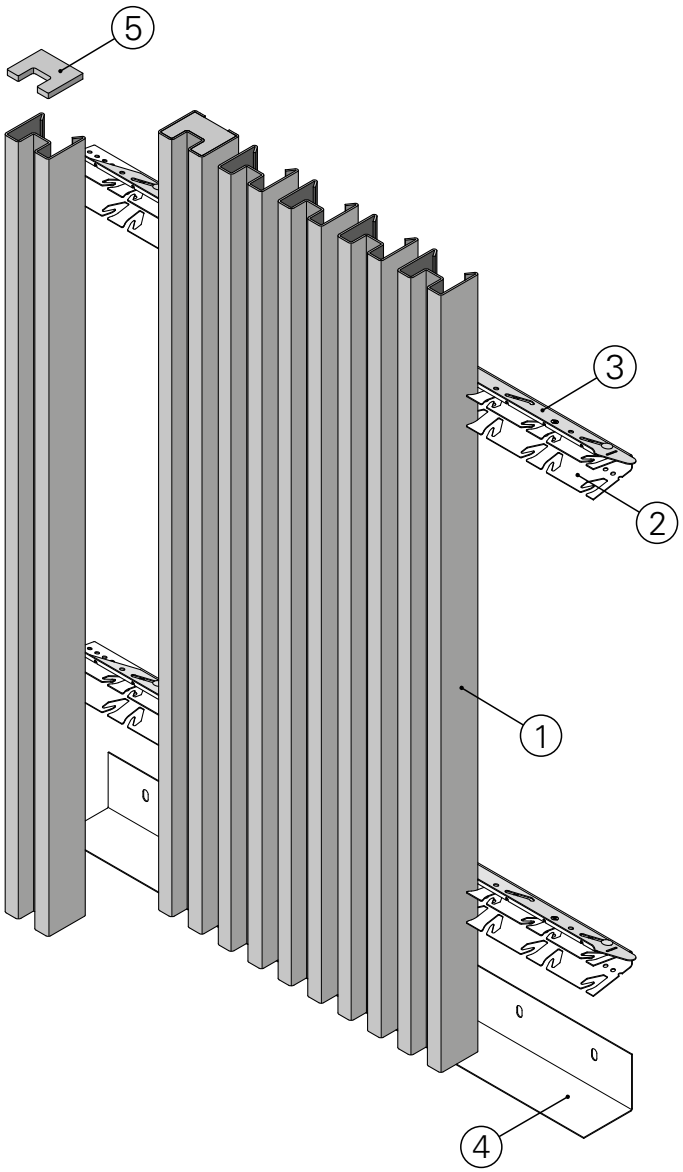
Production by Hunter Douglas Ceiling Center

EN 13964 E1

A+ A+ A B C

TYPICAL ISOMETRICS

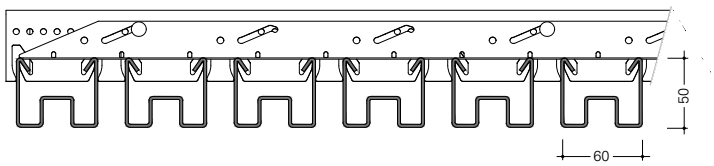
1 = HeartFelt® Groove 60HG50
2 = Carrier
3 = Locking strip
4 = Support profile (Non-HD)
5 = End cap 60HG50 (Optional)



Maximum panel span 800 mm,
maximum panel cantilever 150 mm

Maximum carrier span 750 mm,
maximum carrier cantilever 300 mm

TYPICAL HORIZONTAL SECTION



PHYSICAL DATA

B-s1,d0

Varies with colour

α_W = 0.65 (H)

60HG50:
2.5 kg/m² (M80)

Class B

OPTIONAL

Colours:
See page 292

Ceiling solutions:
see page 32

COLOURS

Colours are for illustration purposes only.

SHADES OF GREY *(40HL55, 40HR64, 60HG50 Groove)*

White 7593 | Light Grey 7596 | Middle Grey 7597 | Dark Grey 7598 | Black 7594

EARTH TONES *(40HL55 and 40HR64)*

Creme 7575 | Light Brown 7576 | Medium Brown 7577 | Dark Brown 7578 | Umber 7579

Project: City Hall, Hasselt, Belgium - Product: HeartFelt® Linear Wall system - Architect: UAU Collectiv & Jaspers-Eyers Architects

LINEAR
SOLID WOOD

Project: Rehau Werk Strontium, Rehau, Germany - Product: Solid Wood Linear Wall - Architect: Kaiser & Dressel

KEY FEATURES

- Interior applications
- Three wall solutions: Linear Open, MultiPanel & Linear Closed
- Panel widths from 63 mm up to 184 mm
- Mixed length with a minimum of 900 mm, manufactured inclusive tongue and groove connection. Fixed length on request
- Panel thickness from 15 up to 20 mm
- Available in different modules and joint width
- With the MultiPanel system various widths can be combined to create a dynamic look and feel
- Other sizes are available upon request
- Black, grey or white non-woven tissue or if necessary Ultra Fiber will be glued and stapled between the joint
- Quick and invisible mounting according to a fixed pattern due to the specially developed fixing method
- Budgetary flexibility due over 15 wood species within various price categories
- High-quality finishing against moisture, dust and dirt. Transparent or wide range of colours available
- Curved, undulating and special shapes possible
- Special system coatings available for humid area application
- Compatible with industry standard lighting, HVAC, speaker, fire safety and security services
- Certified: FSC, PEFC, Cradle to Cradle silver
- Integral guarantee for support systems, wood, finish and fire retardance
- Contribution to obtaining credits within BREEAM and LEED

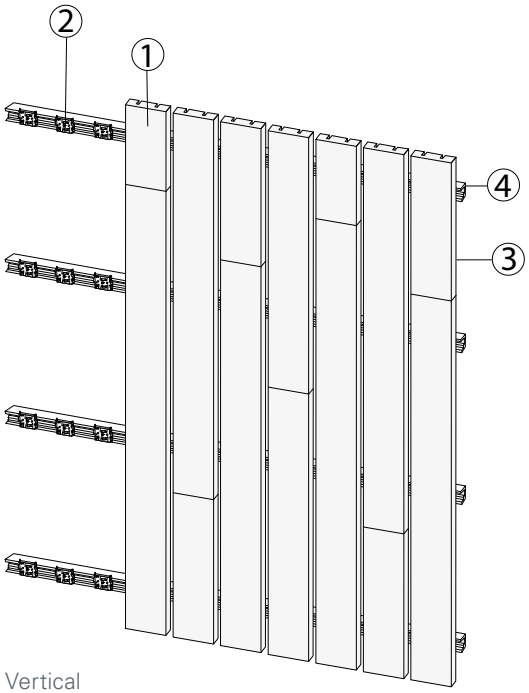
Produced and certified by Derako International

EN 13964
E1

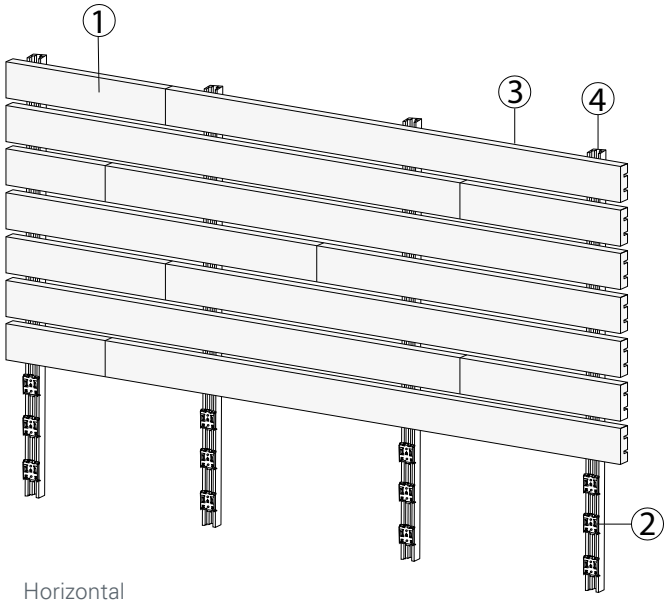
A+

TYPICAL ISOMETRICS

1 = Solid Wood Linear panel
2 = Clip (pre-fixed)
3 = Acoustic non-woven tissue or Ultra Fiber
4 = SLR profile



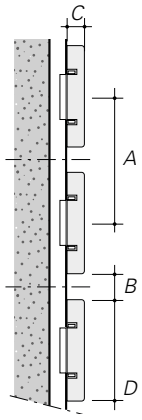
Vertical
Linear wall application



Horizontal
Linear wall application

TYPICAL SECTIONS

A = Module
B = Joint
C = Panel thickness
D = Panel width



PHYSICAL DATA

B-s2,d0 According to EN 13501-1
B-s1,d0 available on request

α_W 0.30 - 0.50
See page 351

5.0 - 12.0 kg/m²

Moist cloth

OPTIONAL

Acoustic cloth
Black

Colours:
See page 298

Exterior solutions:
See page 240

Ceiling solutions:
See page 60

GRILL
SOLID WOOD

Project: Office de Alliantie, Amersfoort, The Netherlands - Product: Solid Wood Grill, FSC European Oak - Architect: Ookarchitecten

KEY FEATURES

- Interior applications
- Made to measure wooden ceiling solution. Design the sizes of the slats and the distance between the slats. Together this will form the Grill element
- The slat thickness can be between 15 mm and 35 mm, depending on wood specie
- The slat height can be between 40 mm and 140 mm, depending on wood specie
- The distance between the slats can be 25 mm up to 140 mm
- The length of the assembled Grill elements will be determined by the structural conditions. This can vary between 590 mm and 3590 mm, depending on the available raw material
- The Grill element is available with 12 mm or 20 mm dowel. The standard colour is black, other colours are on request
- Easily and individually demountable
- Budgetary flexibility thanks to 15 wood species within various price categories
- High-quality finishing against moisture, dust and dirt. Transparent or wide range of colours available
- Curved, undulating and special shapes possible. Also radial panels and CNC milled panels on request available
- Compatible with industry standard lighting, HVAC, speaker, fire safety and security services
- Certified: FSC, PEFC, Cradle to Cradle silver
- Integral guarantee for support systems, wood, finish and fire retardance
- Contribution to obtaining credits within BREEAM and LEED

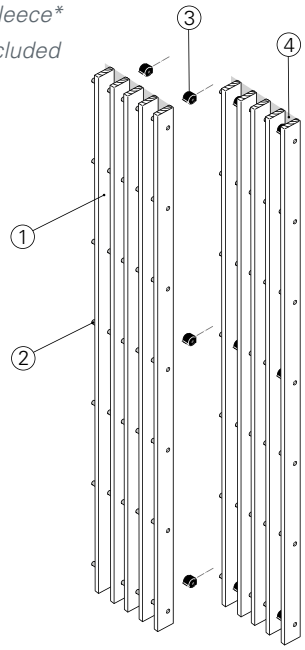
Produced and certified by Derako International

EN 13964 E1

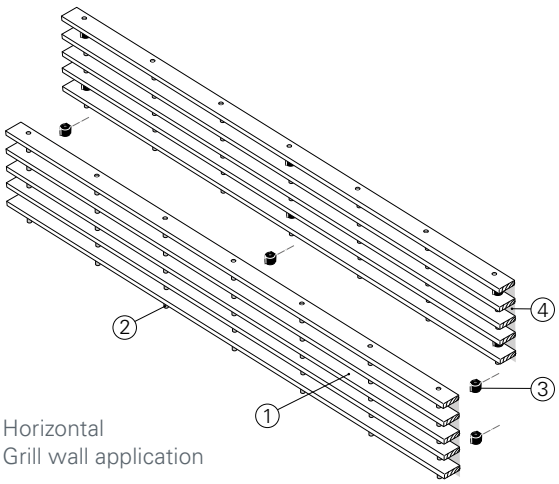
A+

TYPICAL ISOMETRICS

1 = Solid Wood Grill panel
2 = Metal dowel
3 = Wall clip
*4 = Optional acoustic fleece**
**These items are not included*



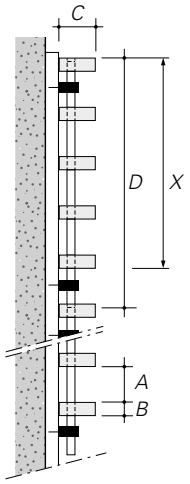
Vertical
Grill wall application



Horizontal
Grill wall application

TYPICAL SECTIONS

A = Joint
B = Slat thickness
C = Slat height
D = Element width
X = Amount of slats



PHYSICAL DATA

B-s2,d0 According to EN 13501-1
B-s1,d0 available on request

α_w 0.30 - 0.50
See page 351

6.0 - 15.0 kg/m²

Moist cloth

OPTIONAL

Acoustic cloth
Black

Colours:
See page 298

Exterior solutions:
See page 242

Ceiling solutions:
See page 64

WOOD SPECIES AND FINISHES

An extensive range of wood species is available, ranging from deep warm colours to light wood tones. Other types of wood possibilities can be looked at on request. Standard, the wood is finished with in a transparent varnish. Optionally a wide range of colour is available. The finish adds a nice touch to the wood with the natural tones and structures of the wood being maintained. For each application the right system coating has to be determined which is needed to protect the wood.

WOOD SPECIES

Accoya

American White Oak

African Ayous

Siberian Larch

Yellow Poplar

Yellow Pine

American Ash

European Pine

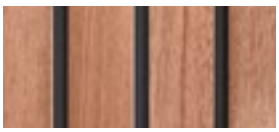
American Red Oak

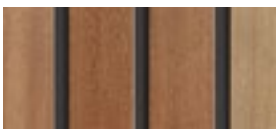
European Oak

Cherry

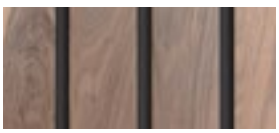
Oregon Pine

Cambara


Merbau


Mahogany

Western Red Cedar


American Walnut

Project: New Logic, Tilburg, The Netherlands - Product: Solid Wood Linear - Architect: Heembouw Architecten

LINEAR
VENEERED WOOD

Project: Driestar, Leiden, The Netherlands - Product: Ceiling - Linear Cassette - Ash (white wash) - Architect: Roosros architecten

KEY FEATURES

- Interior applications
- MDF core finished with wood veneer
- MultiPanel layouts possible, combining different widths
- Fire retardant and moisture resistant solutions
- Acoustic fleece to fill gaps
- Staining possibilities
- Available as a ceiling and wall solution
- Variety of organic or engineered wood veneers, FSC or PEFC certified
- Quick and invisible mounting according to a fixed pattern due to the specially developed fixing method
- Minimal joints between the panel connections
- Panel length: standard 2400 mm
- Panel width: 65 up to 140 mm
- Available in different modules and joint widths
- Panel thickness: 16 mm
- Other sizes and dimensions are available upon request

The mark is responsible forestry

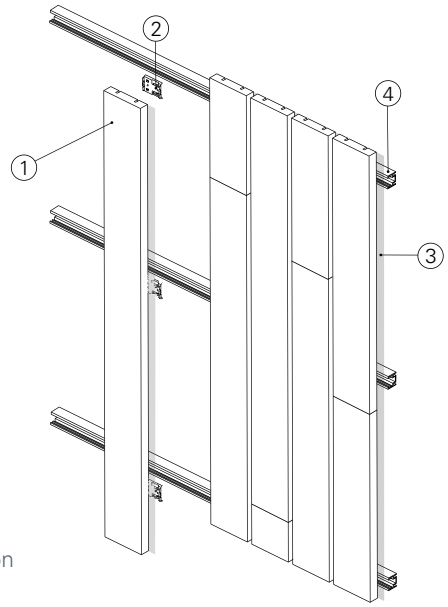
Promoting sustainable forest management www.pefc.org

EN 13964
E1

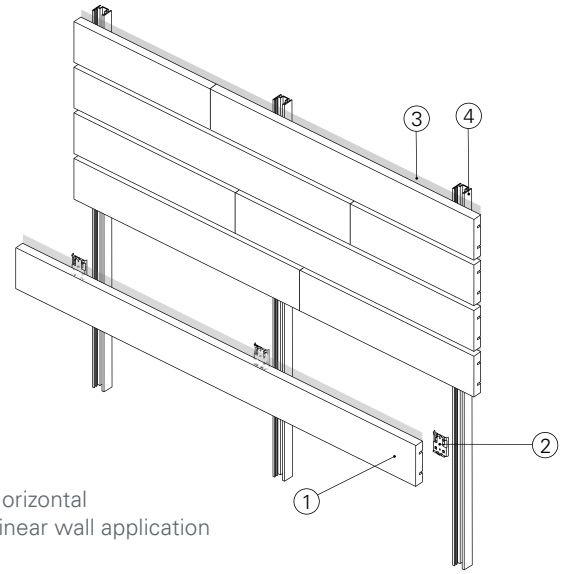
A+

TYPICAL ISOMETRICS

1 = Veneered Wood Linear panel
2 = Clip (pre-fixed)
3 = Acoustic non-woven tissue or Ultra Fiber
4 = SLR profile



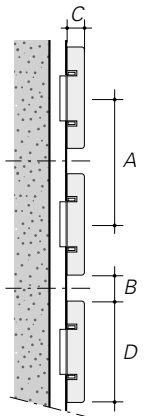
Vertical
Linear wall application



Horizontal
Linear wall application

TYPICAL SECTIONS

A = Module
B = Joint
C = Panel thickness
D = Panel width



PHYSICAL DATA

B-s2,d0 According to EN 13501-1

Up to α_w 0.50
See page 351

Acoustic cloth
Black

10.0 - 15.0 kg/m²

Moist cloth

OPTIONAL

Colours:
See page 308

Ceiling solutions:
See page 70

GRILL
VENEERED WOOD

Project: De Keukenhof, Lisse, The Netherlands - Product: Veneered Wood Grill, European Oak - Architect: Mecanoo Architects

KEY FEATURES

- Interior applications
- Pre-assembled Grill elements connected with metal dowel or wooden backer
- MDF core finished with wood veneer
- Fire retardant and moisture resistant solutions
- Add acoustical wool for increase sound absorption
- Staining possibilities
- Variety of organic or engineered wood veneers, FSC or PEFC certified
- Installation directly on substructure (non-HD) or wall
- Element length: standard 2396 mm
- Element width: varies between 300 to 500 mm
- Slat width: 17, 25, 31, 39 mm
- Slat height: 50 - 150 mm
- Slat gaps: varies
- Other sizes and dimensions are available upon request

Note: Grill dimensions may be restricted due to weight or may require reinforced mounting

The mark is responsible forestry

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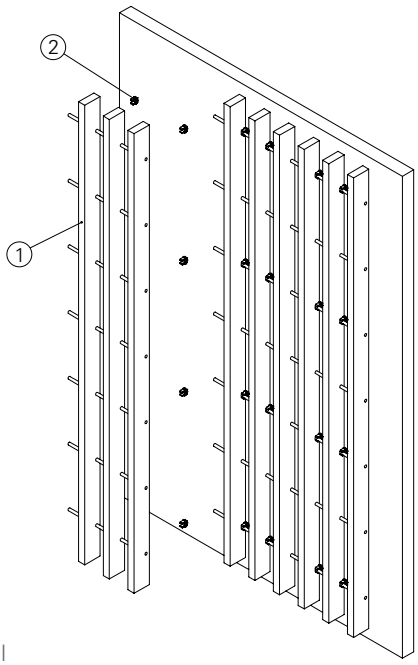
E1

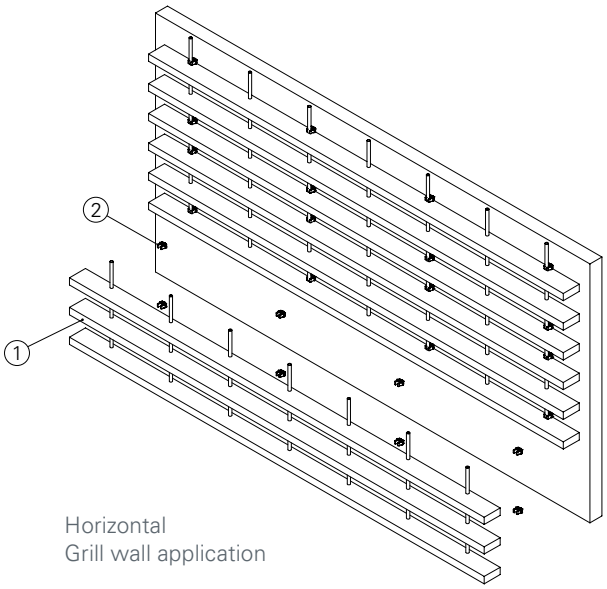
A+

TYPICAL ISOMETRICS

1 = Veneered Wood Grill Element
2 = Wall clip (PVC)

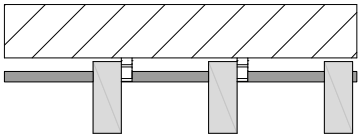


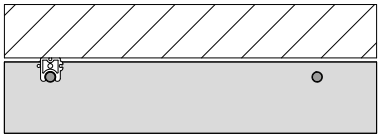
Vertical
Grill wall application



Horizontal
Grill wall application

TYPICAL SECTIONS





PHYSICAL DATA

B-s2,d0 According to EN 13501-1

Up to α_w 0.50
See page 351

10.0 - 15.0 kg/m²

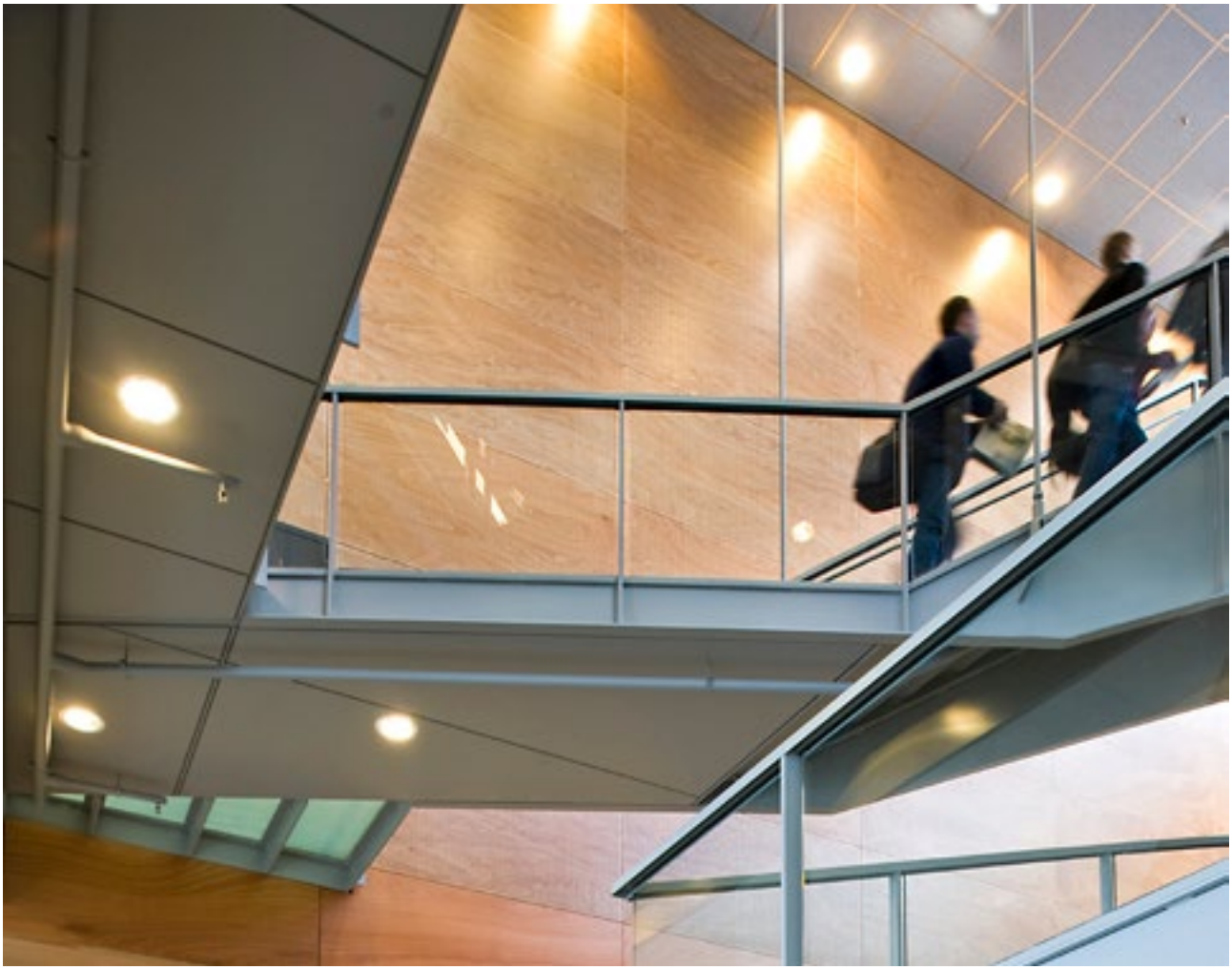
Moist cloth

OPTIONAL

Colours:
See page 308

Ceiling solutions:
See page 74

PANELS
VENEERED WOOD



Project: NHL Hogeschool, Leeuwarden, The Netherlands - Product: Veneered Wood Wall, Okoumé - Architect: Herman Hertzberger

KEY FEATURES

- Interior applications
- Acoustic wall panels
- Two edge details: straight edge or bevelled edge
- MDF core finished with wood veneer
- Various perforations with different acoustic performances and designs
- Fire retardant and moisture resistant solutions
- Staining possibilities
- Variety of organic or engineered wood veneers, FSC or PEFC certified
- Installation with the use of metal screw clips
- Closed or 5 / 10 / 15 / 20 / 30 mm open joints
- Joints can be filled with acoustic strip or HDF strip in various colours
- Dimensions: 600 x 600 mm / 1200 x 600 mm / 1800 x 600 mm / 2400 x 600 mm / 2700 x 600 mm
- Perforations: Single / Double / Nano perforation patterns
- Other sizes and dimensions are available upon request

FSC
The mark is responsible forestry

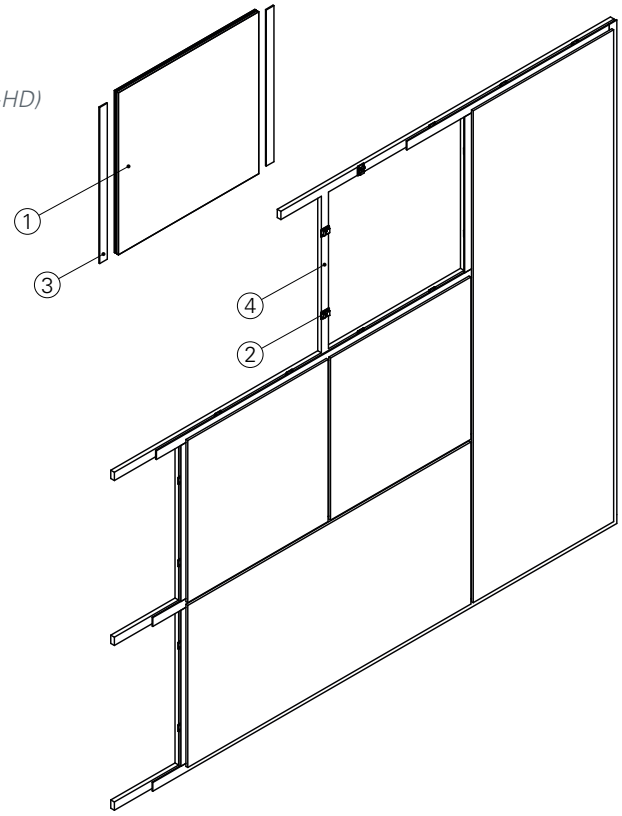
PEFC
Promoting sustainable forest management www.pefc.org

EN 13964
E1

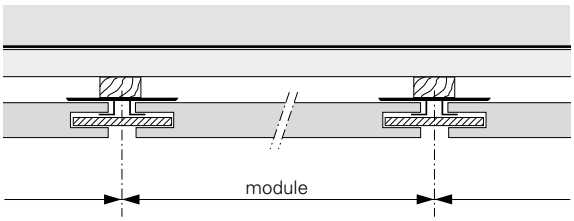
A+ A B C
A+

TYPICAL ISOMETRICS

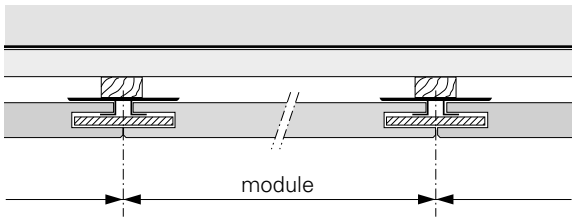
1 = Wall Panel
2 = Metal screw clip
3 = Acoustic or solid infill strip
4 = Wooden or metal substructure (non-HD)



TYPICAL SECTIONS



Wall panel type Standard:
an open joint system with straight edge



Wall panel type Trend:
a closed joint system with bevelled edge

Standard gap sizes:
5 / 10 / 15 / 20 / 30 mm

PHYSICAL DATA

Plain : B-s1,d0
Perf : B-s2,d0

Up to α_w 0.95
See page 351

10.0 - 15.0 kg/m²

Moist cloth

OPTIONAL

Colours:
See page 308

Ceiling solutions:
See page 80-87

TOPLINE
VENEERED WOOD

Project: Rabobank, Doetinchem, The Netherlands - Product: TopLine TLS 13/3, Bamboo - Architect: AWG Architecten

KEY FEATURES

- Interior applications
- High performance sound absorbing panels
- Pre-applied acoustic non-woven material on reverse side
- MDF core finished with wood veneer
- Various slotted perforations with different acoustic performances and designs
- Fire retardant and moisture resistant solutions
- Staining possibilities
- Variety of organic or engineered wood veneers, FSC or PEFC certified
- Installation directly on substructure (non-HD)
- Fixing with metal screw clips
- Tongue and groove connection to create uniform appearance
- Horizontal, vertical or diagonal direction
- Dimensions: standard 134 mm x 2480 mm
- Panel thickness: 17 mm
- Other sizes and dimensions are available upon request

FSC
The mark is responsible forestry

PEFC
Promoting sustainable forest management www.pefc.org

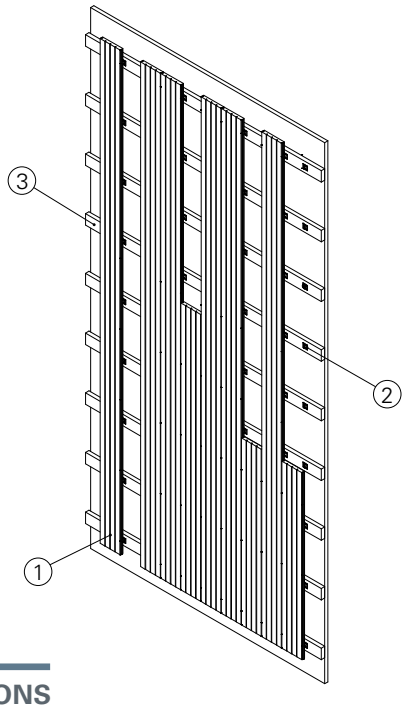
EN 13964
E1

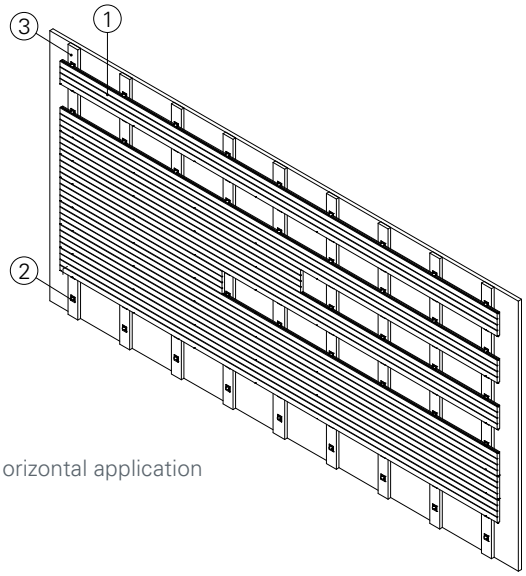
A+ A B C
A+

TYPICAL ISOMETRICS

1 = TopLine Panel 29/3 Module 128 mm
2 = Screw clip
3 = Substructure (non-HD)

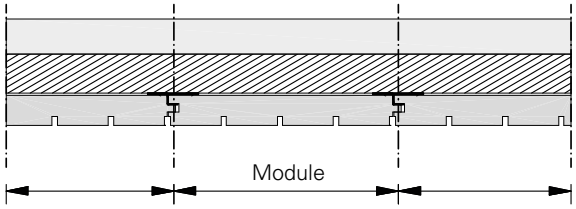
Vertical application





Horizontal application

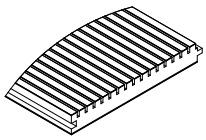
TYPICAL SECTIONS



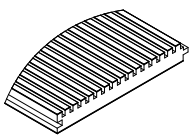
PERFORATION PATTERNS

Standard grooves shown. See page 347 to see all groove patterns.
Scale 1:1 shown, unless otherwise noted. See page 351 for acoustic information.

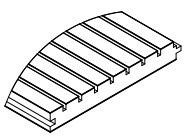
VIEW SIDES *(Scale 1:5)*



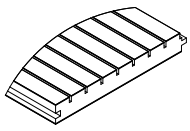
TopLine 6/2
Plain 6 mm
Groove 2 mm
Openness 25%



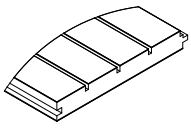
TopLine 5/3
Plain 5 mm
Groove 3 mm
Openness 25%



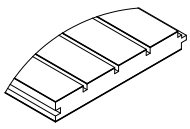
TopLine 13/3
Plain 13 mm
Groove 3 mm
Openness 19%



TopLine 14/2
Plain 14 mm
Groove 2 mm
Openness 13%



TopLine 29/3
Plain 29 mm
Groove 3 mm
Openness 9%



TopLine 28/4
Plain 28 mm
Groove 4 mm
Openness 13%

PHYSICAL DATA

Perf: B-s1,d0

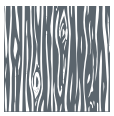
Up to α_W 0.95

10.0 - 15.0 kg/m²

Moist cloth

OPTIONAL

Colours:
See page 308



Ceiling solutions:
See page 88

WOOD SPECIES

Hunter Douglas Architectural offers a wide choice of wood species and finishes. As wood is a 100 per cent natural product, the images below can differ from actual samples or products. Please request a sample at your nearest sales office.

ORGANIC VENEERS

Organic Veneer is a natural material sliced from tree logs without alterations or enhancements. This type of veneer shows all the characteristics and intrinsic patterns of the tree, caused by the natural influences during his lifetime, making each veneer unique.

Birch

Spruce

Unsteamed Beech

Steamed Beech

Sycamore

Cherry

Ash

Basswood

Hemlock

Maple

Gaboon

Zebrano

Bamboo Natural

Pine

Oak

Pear

Walnut

Chestnut

Yellow Poplar

Ayous

Red Oak

Bamboo Caramel

Teak

Sapeli Mahogany

Besides the wide range of Organic Veneers, Hunter Douglas Architectural also offers a selection of other finishes.

ENGINEERED VENEERS

Engineered Veneer is a type of veneer that is known for its consistent appearance. Although Engineered Veneer is made from 100% wood, due to the special production process, a uniform look can be obtained.

HIGH PRESSURE LAMINATE

Hunter Douglas works with some of the worlds leading HPL manufacturers. In most cases, we are able to apply HPL instead of veneer, to match other finishes in your project.

RAL FINISHES

We offer the possibility to have the products finished in any RAL colour.

For more information, please contact your local sales office.

Project: Arcus College, Heerlen, The Netherlands - Product: TopLine TTA 28/4, RAL white - Architect: IAA Architecten

TOPLINE
VENEERED WOOD

Project: Amity University Dubai, United Arab Emirates - Product: Veneered Wood Ceiling & Wall Panels, American Cherry, Nano perforation - Architect: IR Design

Project : Historisches Archiv, Cologne, Germany
Product : Solid Wood Grills
Architect : Waechter + Waechter Architekten

"ONE OF THE MOST DURABLE ARCHIVES IN EUROPE"

The historical Archive of Cologne preserves legal and cultural documents which are of great value and keeps them safe and sound. It is one the most durable and modern city archives in all of Europe.

A total amount of 1,215 m² of Grill ProLine ceilings and walls was specified. By using solid wooden systems the whole building was made in the most sustainable way which is in line with the mission of a natural appeal and experience. Acoustics, fire retardancy and ventilation were important aspects in choosing wood as a ceiling and wall application. The use of wood automatically makes for an environmental friendly solution, whilst also drawing nature inside to make visitors feel one with its surrounding natural environment.

One of the most important parts of this archive is preserving the documents which means maintaining the right air humidity standards inside. This was realised by using solid wood which keeps the air humidity levels stable. The presence of natural materials provides an aesthetically appealing finish whilst also contributing positively to the feeling of well-being for its visitors.

Project: Mahler 4, Amsterdam, The Netherlands
Product: Solid wood linear open sports ceiling
Architect: De Architecten Cie

SPORTS CEILINGS

Our ceiling systems for sports halls combines quality with a specific appearance. The ceilings can withstand direct impact from balls used for indoor sports.

Project : Swimming pool, Stein, The Netherlands
Product : 70U Linear ceiling
Architect: O&B

"A SPECIAL CEILING USED IN A HUMID ENVIRONMENT AND READY FOR IMPACT"

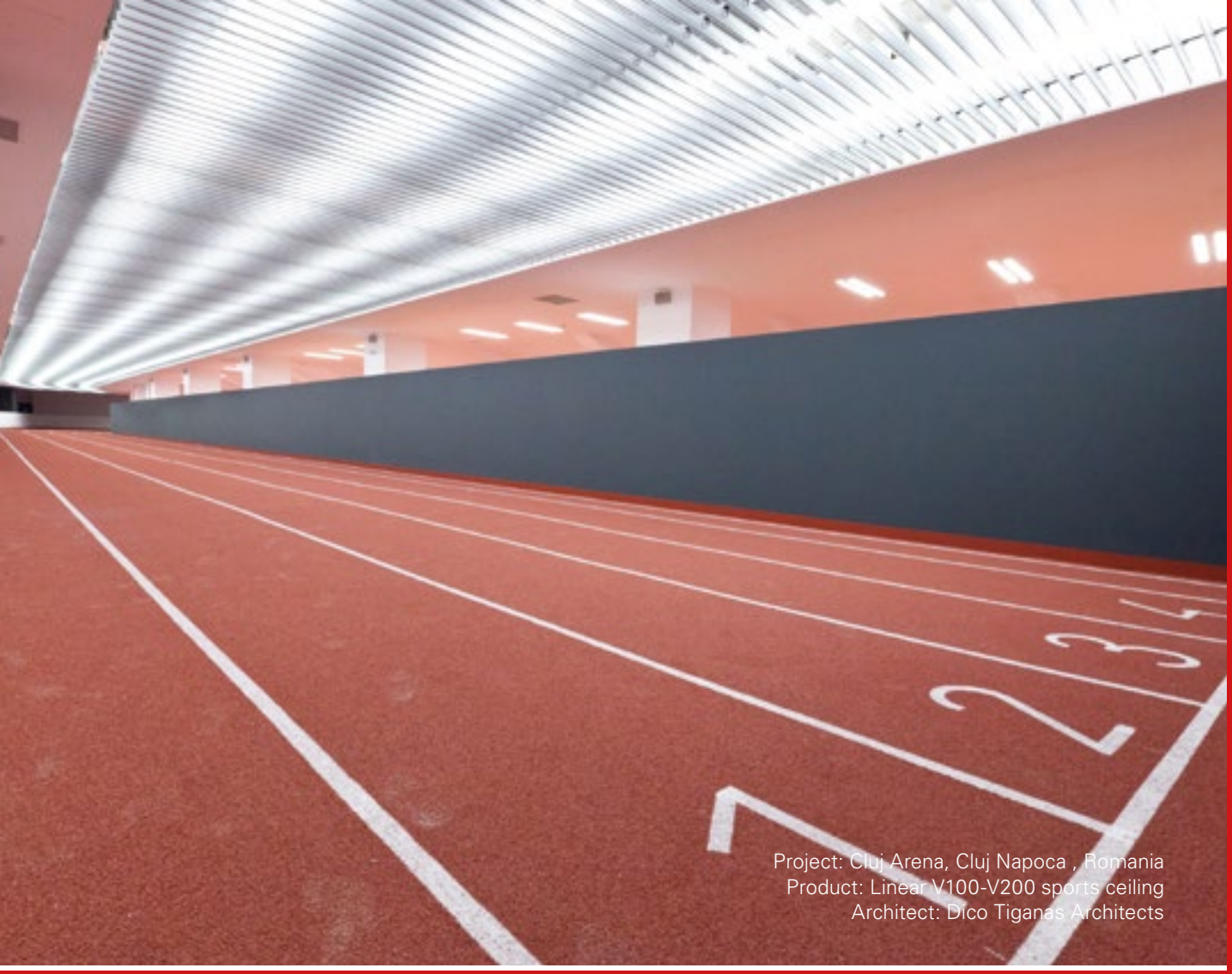
The swimming pool in the town of Stein, the Netherlands, is located next to the Stein town hall. The complex replaces the former municipal swimming pool from the '70s of the 20th century which is demolished. The architect office O&Bs has been selected for the execution of the architectural and consultancy work for the construction of this public swimming pool based on a European tendering procedure with 36 registrations.

The swimming pool complex consists of:

- An indoor swimming pool, with a 25 m competition pool, an instruction pool, a toddler pool and associated spaces.
- An entrance for both the outdoor swimming pool and the Steinerbos recreation park.
- Renovation of the existing outdoor swimming pool, including the new construction of changing rooms, toilets, showers and a catering building.

The building fits in with the park-like environment, the park panorama is visible in the swimming pool. From the bath water it looks like you are swimming in the middle of nature; the changing colours of the seasons pass by the swimmers and visitors. The ceiling is made of the Hunter Douglas aluminium Linear 70U panels which can be used in a humid environment and are tested to withstand impact from ball sports.

Project: Edenbrook Leisure Centre, Fleet, United Kingdom
Product: Solid Wood Linear
Architect: GT3 Architects



Project: Cluj Arena, Cluj Napoca , Romania
Product: Linear V100-V200 sports ceiling
Architect: Dico Tiganas Architects

SPORTS CEILINGS

HEARTFELT® LINEAR 320

SOLID WOOD LINEAR PROLINE 324

SOLID WOOD GRILL PROLINE 326

VENEERED WOOD LINEAR 330

VENEERED WOOD GRILL 332

METAL LINEAR 70U 336

LINEAR
HEARTFELT®

KEY FEATURES

- Modular ceiling system with felt panels
- Panel dimensions: 40 x 55 mm
- Panel length: 1000 to 6000 mm
- Tested: carrier module M60
- Easy plenum access
- Interior applications
- Compatible with industry standard lighting, HVAC, speaker, fire safety, and security services

OEKO TEX® STANDARD 100 1702004 Centexbel www.oeko-tex.com

EPD EN 15804 VERIFIED

cradle to cradle CERTIFIED BRONZE

ISO 14001 SGS ISO 9001 SGS

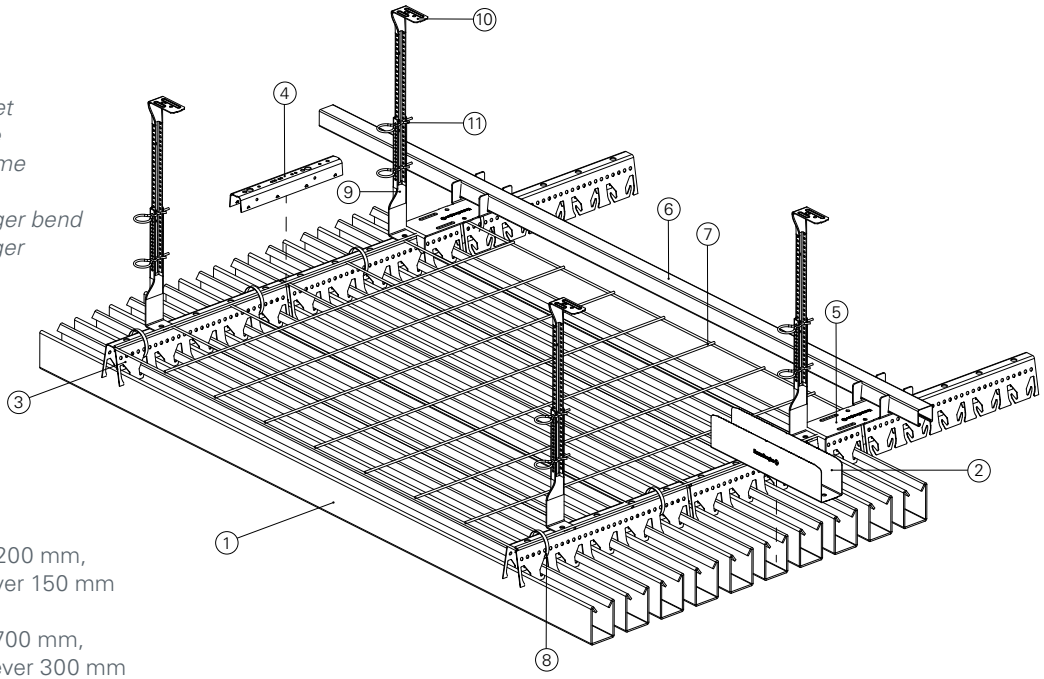
Production by Hunter Douglas Ceiling Center

EN 13964 E1

A+ A B C A+

TYPICAL ISOMETRICS

1 = Panel 40HL55
2 = Panel splice
3 = Carrier
4 = Carrier splice
5 = Stabilisation bracket
6 = Stabilisation profile
7 = Reinforcement frame
8 = Tiewrap steel
9 = Lower nonius hanger bend
10 = Upper nonius hanger
11 = Locking clip

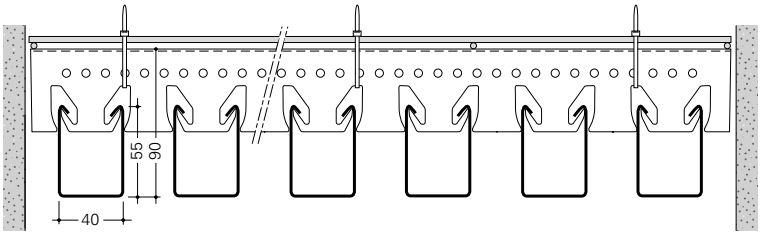


Maximum panel span 1200 mm,
maximum panel cantilever 150 mm

Maximum carrier span 700 mm,
maximum carrier cantilever 300 mm

Stabilisation profiles 3000 mm ctc

TYPICAL SECTIONS



ACOUSTICS

See page 348 for acoustic performance information

PHYSICAL DATA

B-s1,d0

Varies with colour

40HL55 M60:
α_W = 0.65 m² (H)

40HL55 M50:
2.9 kg/m²

Class B

Class 1A

OPTIONAL

Colours:
See page 322

Wall apllication
see page 288

COLOURS

Colours are for illustration purposes only.

SHADES OF GREY

White 7593 | Light Grey 7596 | Middle Grey 7597 | Dark Grey 7598 | Black 7594

EARTH TONES

Creme 7575 | Light Brown 7576 | Medium Brown 7577 | Dark Brown 7578 | Umber 7579

LINEAR PROLINE
SOLID WOOD

Project: Swimming pool De Heuvelrand, Voorthuizen, The Netherlands - Product: Solid Wood Linear - Architect: Slangen + Koenis Architecten

KEY FEATURES

- Sport hall applications, certified according to DIN 18032 Part 3 and EN 13964 Annex D
- Three ceiling solutions: Linear Open, MultiPanel & Linear Closed, fixed or 50% demountable
- Panel widths from 63 mm up to 184 mm
- Mixed length with a minimum of 900 mm, manufactured inclusive tongue and groove connection. Fixed length on request
- Panel thickness from 15 up to 20 mm
- Available in different modules and joint width
- With the MultiPanel system various widths can be combined to create a dynamic look and feel
- Other sizes are available upon request
- The standard colours of the non-woven tissue between the joint is black, white or grey. Other options on request
- Quick and invisible mounting according to a fixed pattern due to the specially developed fixing method
- Budgetary flexibility thanks to 15 wood species within various price categories
- High-quality finishing against moisture, dust and dirt. Transparent or wide range of colours available
- Curved, undulating and special shapes possible
- Special system coatings available for humid area application
- Compatible with industry standard lighting, HVAC, speaker, fire safety and security services
- Certified: FSC, PEFC, Cradle to Cradle silver
- Integral guarantee for support systems, wood, finish and fire retardance
- Contribution to obtaining credits within BREEAM and LEED

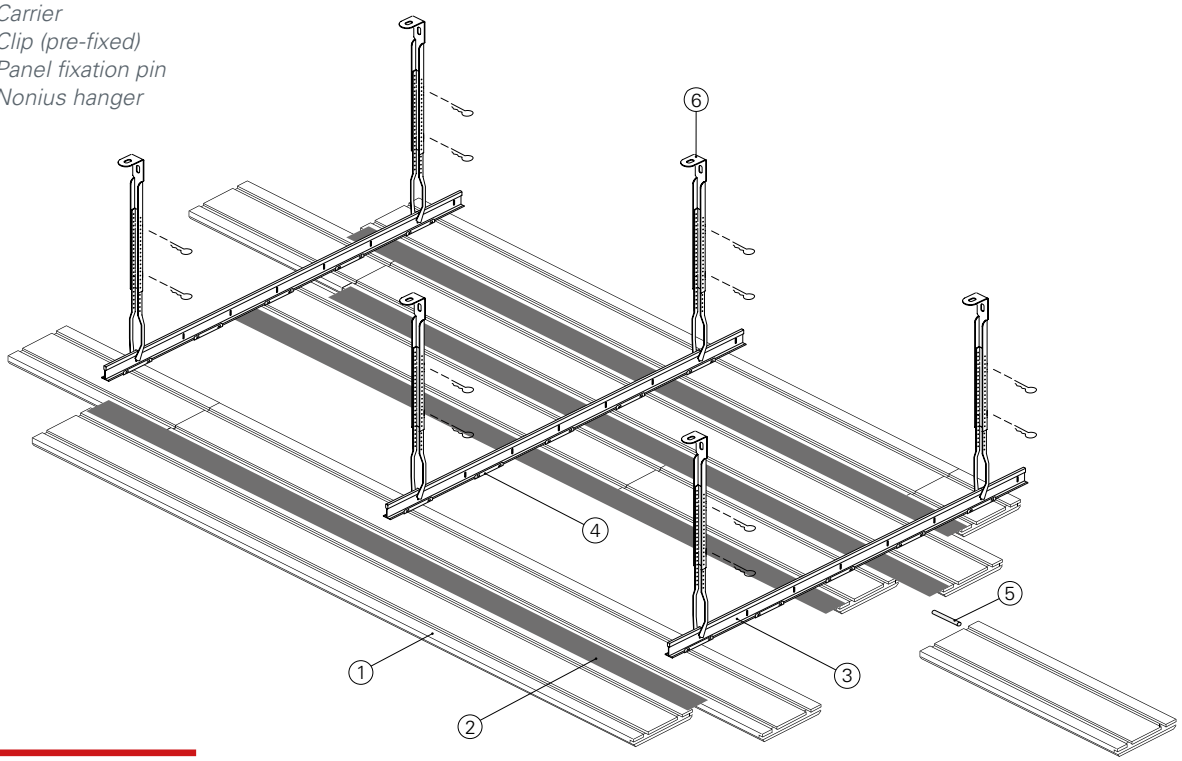
Produced and certified by Derako International

EN 13964
E1

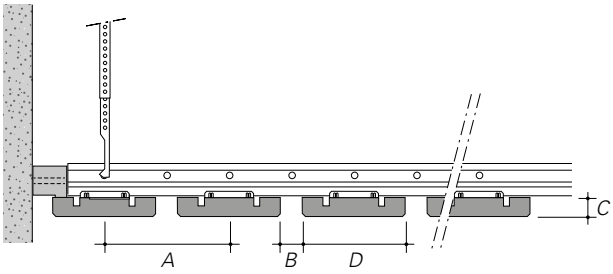
A+

TYPICAL ISOMETRICS

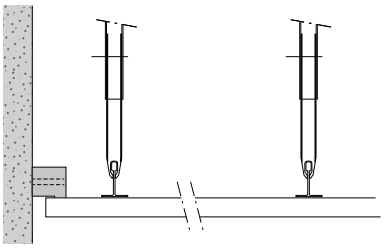
1 = Solid Wood Linear panel
2 = Pre-applied acoustic non-woven tissue
3 = Carrier
4 = Clip (pre-fixed)
5 = Panel fixation pin
6 = Nonius hanger



TYPICAL SECTIONS



A = Module
B = Joint
C = Panel thickness
D = Panel width



PHYSICAL DATA

B-s2,d0 According to EN 13501-1

α_W 0.30 - 0.50
See page 351

5.0 - 12.0 kg/m²

Moist cloth

Class 1A

OPTIONAL

Acoustic cloth
Black

Colours:
See page 328

Wall solutions:
See page 294

GRILL PROLINE
SOLID WOOD

Project: Swimming pool De Steur, Kampen, The Netherlands - Product: Solid Wood Grill - Architect: VenhoevenCS architecture + urbanisme

KEY FEATURES

- Made to measure wooden ceiling solution. Design the sizes of the slats and the distance between the slats. Together this will form the Grill element
- The slat thickness can be between 15 mm and 35 mm, depending per wood specie.
- The slat height can be between 40 mm and 140 mm, depending per wood specie
- The distance between the slats can be 25 mm until 140 mm
- The length of the assembled Grill elements will be determined by the structural conditions. This can vary between 590 mm and 3590 mm, depending on the available raw material
- The Grill element is available with 12 mm or 20 mm dowel. The standard colour is black, other colours are on request
- Easily and individually demountable
- Budgetary flexibility thanks to 15 wood species within various price categories
- Optionally supplied with acoustic non woven tissue cut to size of the panel
- High-quality finishing against moisture, dust and dirt. Transparent or wide range of colours available
- Curved, undulating and special shapes possible.
- Compatible with industry standard lighting, HVAC, speaker, fire safety and security services
- Certified: FSC, PEFC, Cradle to Cradle silver
- Integral guarantee for support systems, wood, finish and fire retardance
- Contribution to obtaining credits within BREEAM and LEED

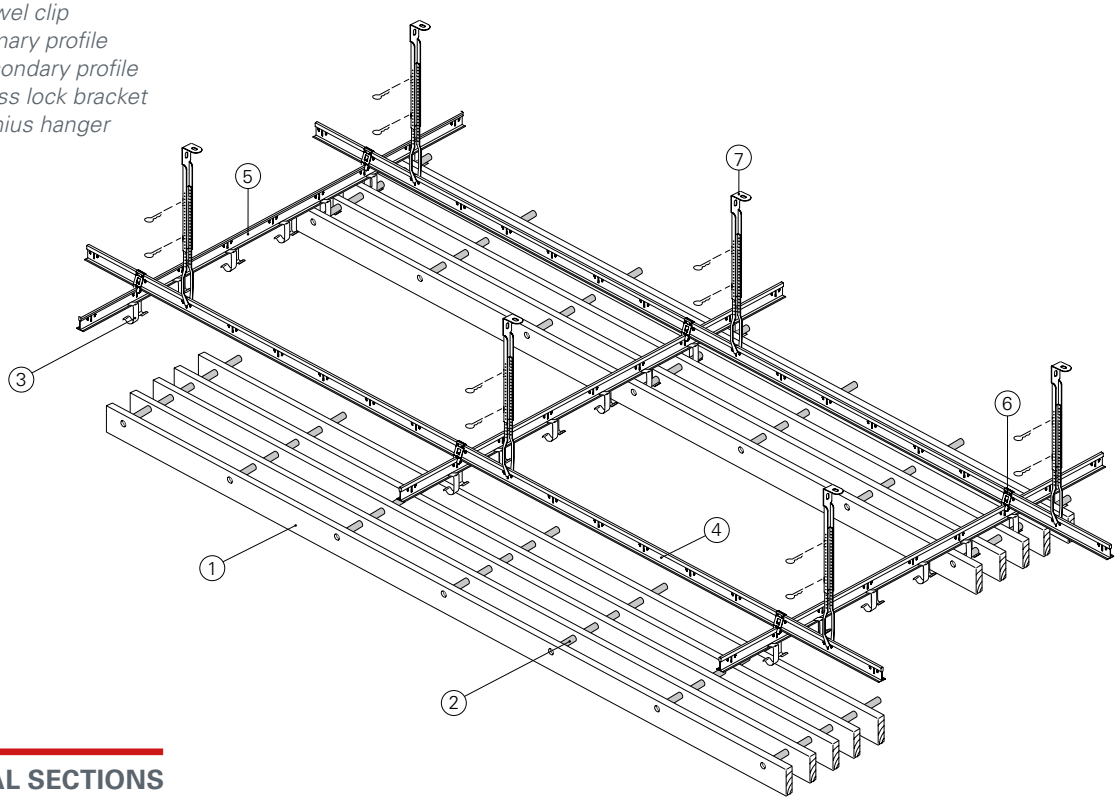
Produced and certified by Derako International

EN 13964
E1

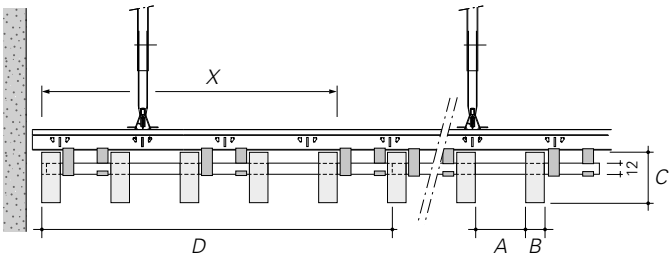
A+

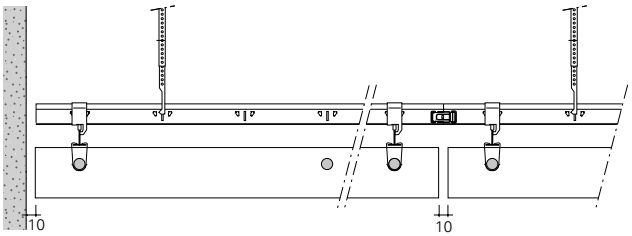
TYPICAL ISOMETRICS

1 = Solid Wood Grill Element
2 = Aluminium dowel
3 = Dowel clip
4 = Primary profile
5 = Secondary profile
6 = Cross lock bracket
7 = Nonius hanger



TYPICAL SECTIONS





A = Joint
B = Slat thickness
C = Slat height
D = Element width
X = Amount of slats

PHYSICAL DATA

B-s2,d0 According to EN 13501-1

α_W 0.35 - 0.55
See page 351

5.0 - 12.0 kg/m²

Moist cloth

Class 1A

OPTIONAL

Acoustic cloth
Black

Colours:
See page 328

Wall solutions:
See page 296

WOOD SPECIES AND FINISHES

An extensive range of wood species is available, ranging from deep warm colours to light wood tones. Other types of wood possibilities can be looked at on request. Standard, the wood is finished with in a transparent varnish. Optionally a wide range of colour is available. The finish adds a nice touch to the wood with the natural tones and structures of the wood being maintained. For each application the right system coating has to be determined which is needed to protect the wood.

WOOD SPECIES

Accoya

American White Oak

African Ayous

Siberian Larch

Yellow Poplar

Yellow pine

American Ash

European Pine

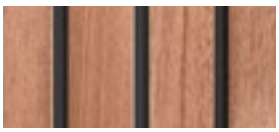
American Red Oak

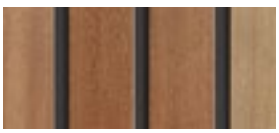
European Oak

Cherry

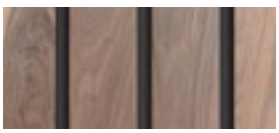
Oregon Pine

Cambara


Merbau


Mahogany

Western Red Cedar


American Walnut

Project: Freizeitbad Calivornia, Leverkusen, Germany - Product: Solid Wood Grill - Architect: Foest Architektur

LINEAR
VENEERED WOOD

Project: Sports hall, Amersfoort, The Netherlands - Product: Veneered Wood Linear - Architect: VenhoevenCS

KEY FEATURES

- Interior Sports Hall applications
- Certified for safety against ball throwing DIN 18032 Class 1A
- MDF core with a wooden top layer
- MultiPanel layouts possible, combining different widths
- Fire retardant and moisture resistant solutions
- Acoustic fleece to fill gaps
- Staining possibilities
- Variety of organic or engineered wood veneers, FSC or PEFC certified
- Installation with nonius hangers
- Panel length: standard 2400 mm
- Panel width: 90 mm
- Joint width: 20 mm
- Panel thickness: 17 mm
- Other sizes and dimensions are available upon request

The mark is responsible forestry

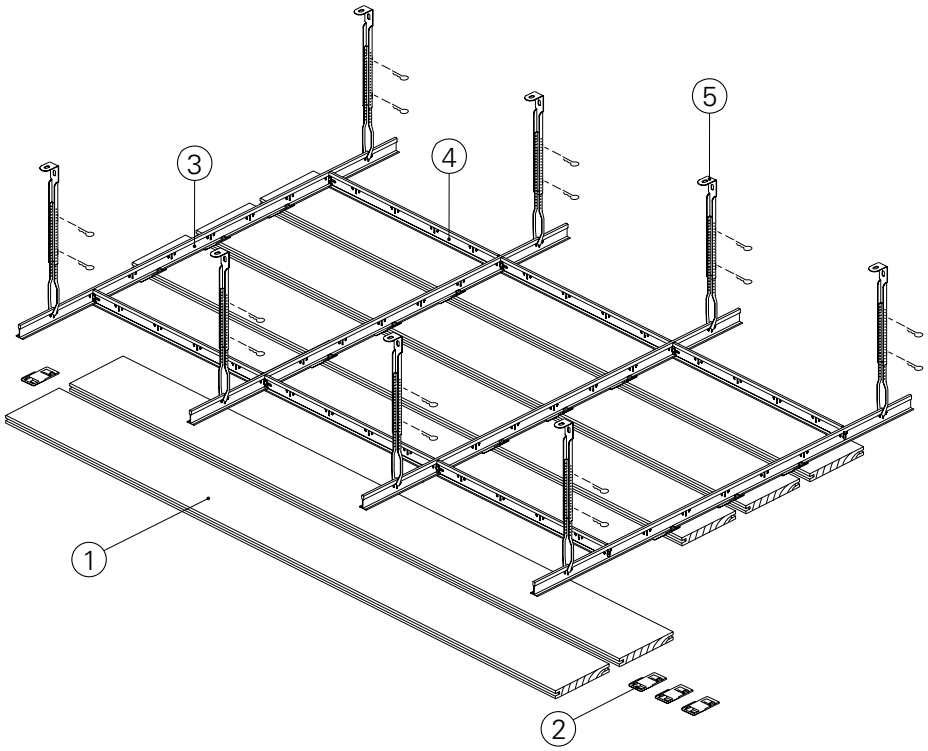
Promoting sustainable forest management www.pefc.org

EN 13964
E1

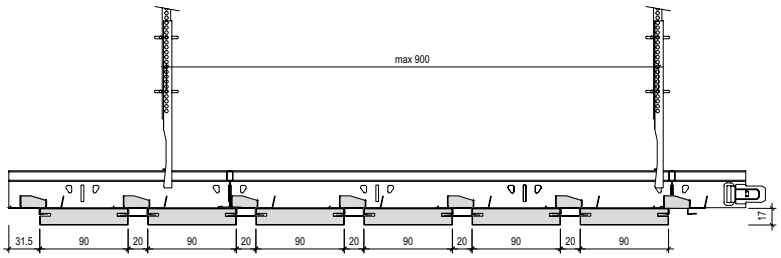
A+

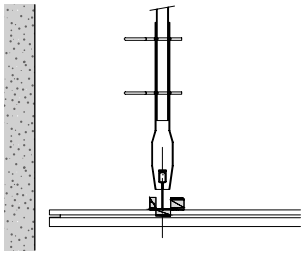
TYPICAL ISOMETRICS

1 = Veneered Wood Linear panel
2 = Turn clip
3 = Main runner
4 = Cross runner
5 = Nonius hanger



TYPICAL SECTIONS





PHYSICAL DATA

α_W 0.35 - 0.55
See page 351

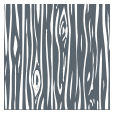
Acoustic cloth
Black

10.0 - 15.0 kg/m²

Moist cloth

Class 1A

OPTIONAL



Colours:
See page 334

Wall solutions:
See page 300

GRILL
VENEERED WOOD

Project: Sports center De Streepen, Sint-Oedenrode, The Netherlands - Veneered Wood Grill - Architect: Rienks Architecten

KEY FEATURES

- Interior applications
- Pre-assembled Grill elements connected with metal dowel
- MDF core finished with wood veneer
- Fire retardant and moisture resistant solutions
- Add acoustical wool for increase sound absorption
- Staining possibilities
- Available as wall solution
- Variety of organic or engineered wood veneers, FSC or PEFC certified
- Easy installation and demounting in standard T 24 grid
- Element length: standard 2396 mm
- Element width: varies between 360 mm
- Slat width: 20 mm
- Slat height: 90 mm
- Slat gaps: gap 100 mm
- Other sizes and dimensions are available upon request
- Note: Grill dimensions may be restricted due to weight or may require a reinforced substructure

FSC
The mark is responsible forestry

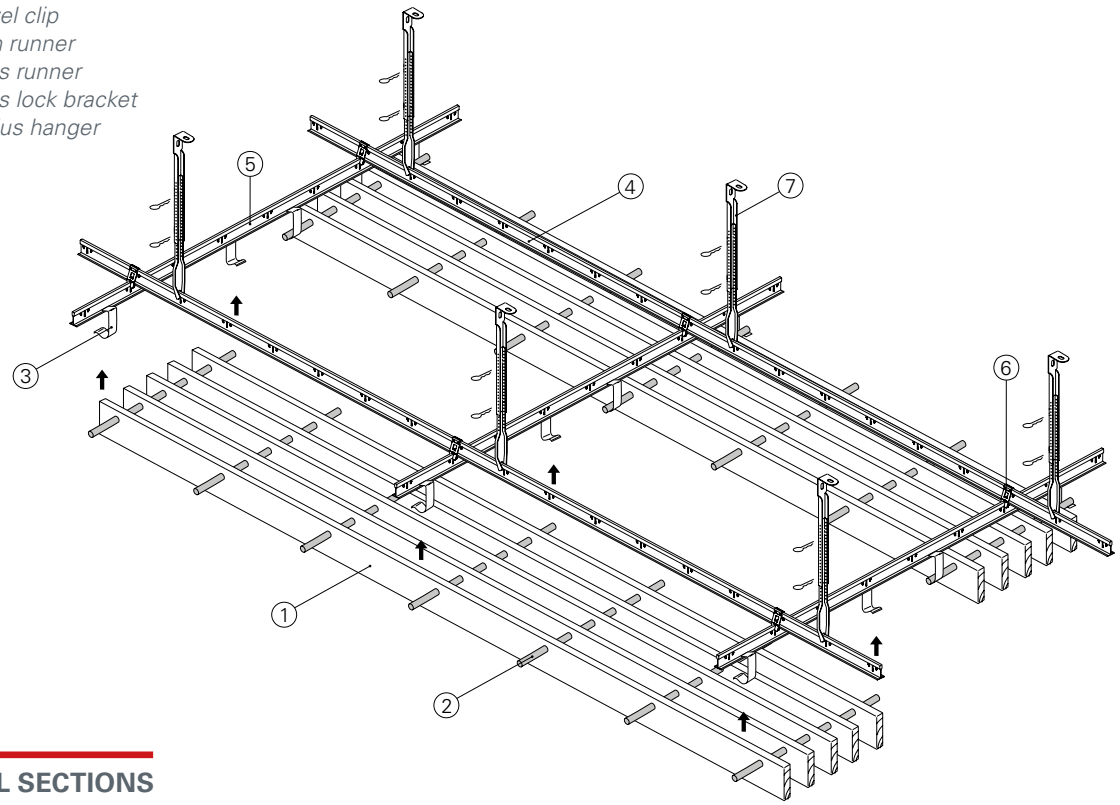
PEFC
Promoting sustainable forest management www.pefc.org

EN 13964
E1

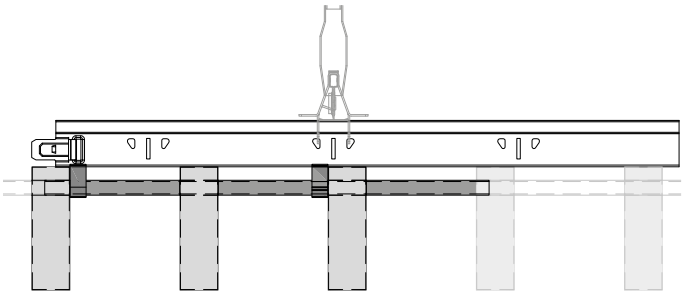
A+ A B C
A+

TYPICAL ISOMETRICS

1 = Grill element
2 = Metal dowel
3 = Dowel clip
4 = Main runner
5 = Cross runner
6 = Cross lock bracket
7 = Nonius hanger



TYPICAL SECTIONS



PHYSICAL DATA

Plain: B-s2,d0

Up to α_w 0.55
See page 351

Acoustic cloth
Black

10.0 - 15.0 kg/m²

Moist cloth

Class 1A

OPTIONAL

Colours:
See page 334

Wall solutions:
See page 302

WOOD SPECIES

Hunter Douglas Architectural offers a wide choice of wood species and finishes. As wood is a 100 per cent natural product, the images below can differ from actual samples or products. Please request a sample at your nearest sales office.

ORGANIC VENEERS

Organic Veneer is a natural material sliced from tree logs without alterations or enhancements. This type of veneer shows all the characteristics and intrinsic patterns of the tree, caused by the natural influences during his lifetime, making each veneer unique.

Birch

Spruce

Unsteamed Beech

Steamed Beech

Sycamore

Cherry

Ash

Basswood

Hemlock

Maple

Gaboon

Zebrano

Bamboo Natural

Pine

Oak

Pear

Walnut

Chestnut

Yellow Poplar

Ayous

Red Oak

Bamboo Caramel

Teak

Sapeli Mahogany

Besides the wide range of Organic Veneers, Hunter Douglas Architectural also offers a selection of other finishes.

ENGINEERED VENEERS

Engineered Veneer is a type of veneer that is known for its consistent appearance. Although Engineered Veneer is made from 100% wood, due to the special production process, a uniform look can be obtained.

HIGH PRESSURE LAMINATE

Hunter Douglas works with some of the worlds leading HPL manufacturers. In most cases, we are able to apply HPL instead of veneer, to match other finishes in your project.

RAL FINISHES

We offer the possibility to have the products finished in any RAL colour.

For more information, please contact your local sales office.

Project: Vernier Paquebot, Geneva, Switzerland - Veneered Wood Grill - Architect: Bonhôte Zapata

Project: Swimming Pool Steinerbos, Stein, The Netherlands - Product: Linear 70U ceiling - Architect: O&B

KEY FEATURES

- Panel width: 70 mm, joint width: 30 mm
- Panel length: 800 mm up to 6000 mm
- Panel depth: 25 mm
- Square edge design
- Tested on ball impact resistance
- On site waste reduction with factory fabricated dimensional material
- Easy plenum access
- Compatible with industry standard lighting, HVAC, speaker, fire safety, and security services

TAIM

EPD

cradle to cradle CERTIFIED BRONZE

ISO 14001 SGS ISO 9001 SGS

Production by Hunter Douglas Ceiling Center

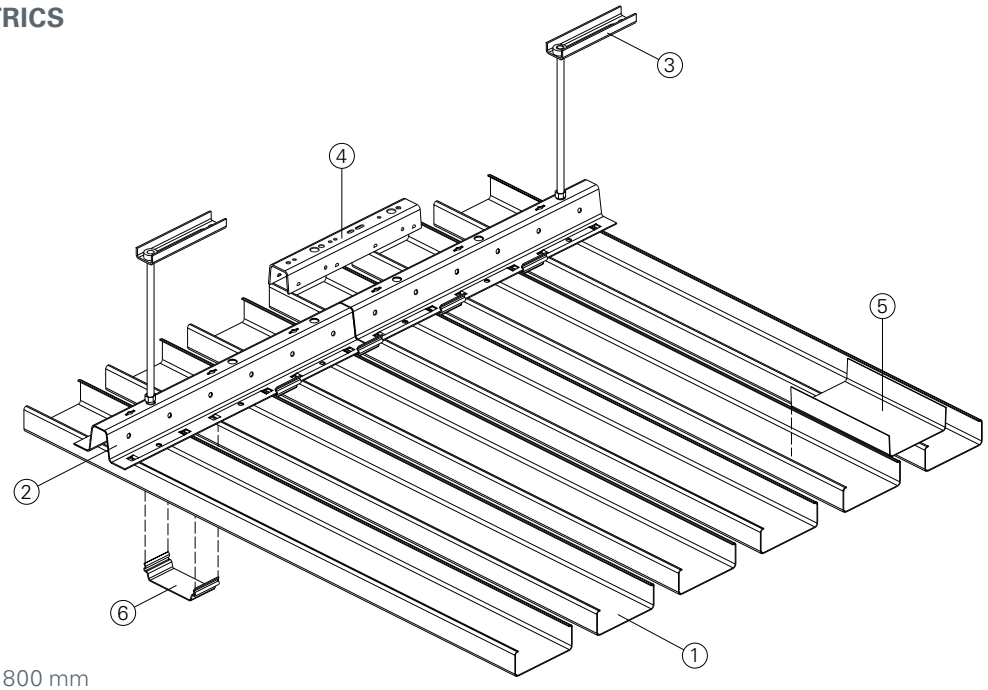
EN 13964
E1

A+
A+ A B C

Fe : 17%
Al : 90%

TYPICAL ISOMETRICS

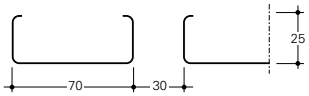
1 = 70U panel
2 = Carrier
3 = Hanger
4 = Carrier splice
5 = Panel splice
6 = Fixing clip



Maximum panel span 800 mm
Maximum panel cantilever 150 mm

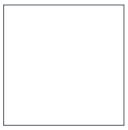
Maximum carrier span 700 mm
Maximum carrier cantilever 300 mm

TYPICAL SECTIONS



70U

PERFORATION PATTERNS



Plain

PHYSICAL DATA

Plain: A2-s1,d0

Up to α_W 0.50
See page 355

AI: 7,1 kg/m²

Moist cloth

Class 1A

OPTIONAL

Colours:
See page 338

Curved solutions:
See page 218

Exterior solutions:
See page 246

COLOURS AND FINISHES

Hunter Douglas Architectural offers a wide choice of colours and finishes. Custom colour matching is available upon request. Please contact your local Hunter Douglas sales office for minimum quantities and lead times. See website for the most up to date information. Colours are for illustration purposes only.

STANDARD PAINT COLOURS STEEL PANEL

0280
±RAL 9010

CUSTOM COLOURS

PROTECTED BY LUXACOTE®

Luxacote® is a unique treatment for Luxalon® Exterior Ceilings.

Unprecedented Protection
LUXACOTE®
for exterior application

Proprietary Hunter Douglas' Luxacote® makes exterior ceilings extremely durable, providing colour and gloss stability, high scratch resistance, and resistance to corrosion. With Luxacote®, there is no need to recoat, which reduces maintenance costs and additional environmental impact.

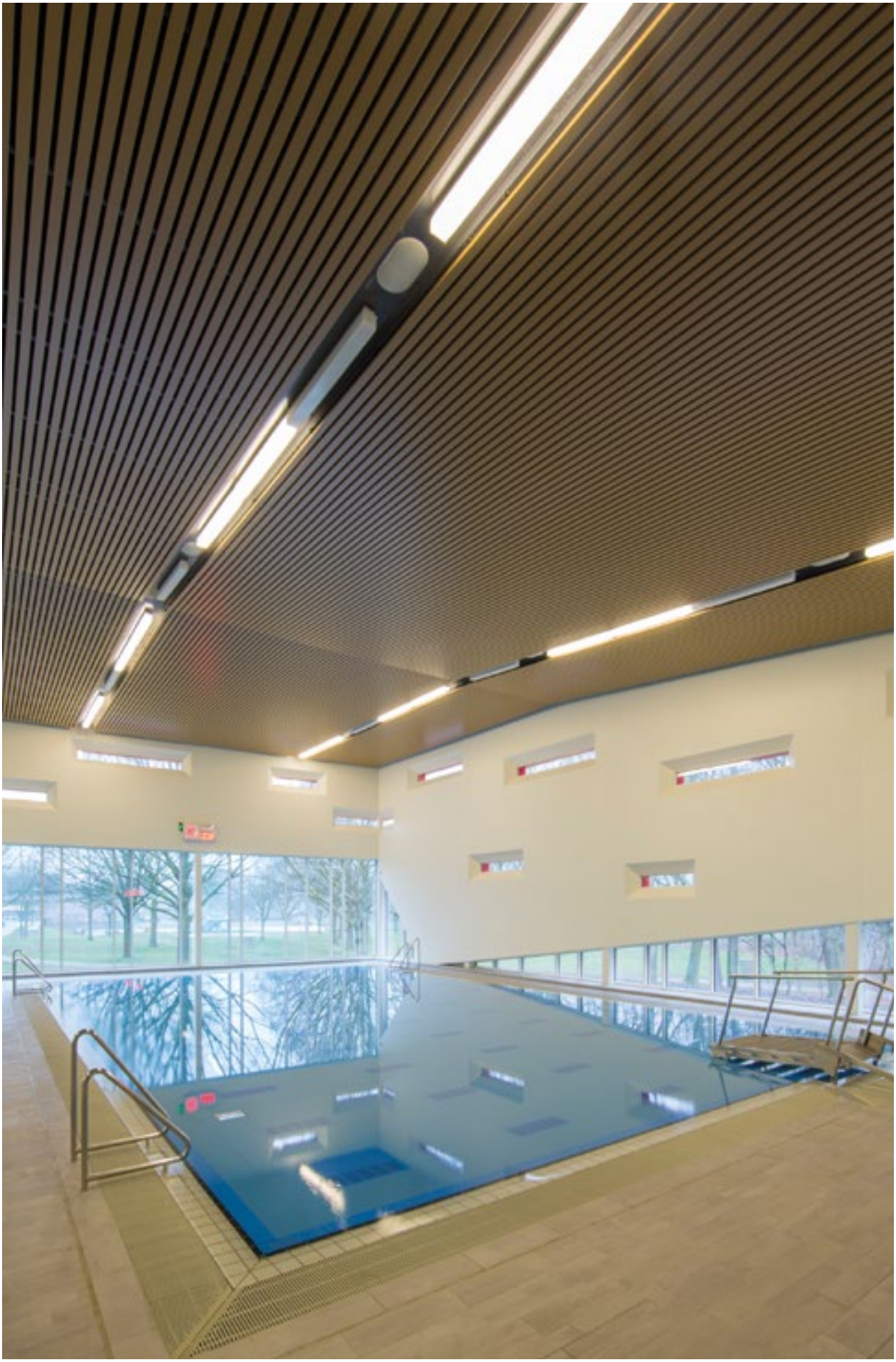
Luxacote® protects the aluminium surface from corrosion and permanently anchors the paint to the metal surface. It contains highly colour-stable pigments for optimal colour-fastness and a highly scratch- and wear-resistant surface.

STANDARD LUXACOTE® PAINT COLOURS (70U)

0401
±RAL9016

7080
±RAL 9006

CUSTOM COLOURS



Project: Swimming Pool Steinerbos, Stein, The Netherlands - Product: Linear 70U - Architect: O&B

Project : Getafe Swimming pool, Madrid, Spain
Product : Solid Wood
Architect : GPD

Project: Sports hall Amerena, Amersfoort, The Netherlands
Product: Veneered Wood Linear
Architect: VenhoevenCS

RESOURCES

Architects and designers from around the world trust our unrivalled product development, service and support. Whether you are working to meet LEED requirements or solve unique architectural challenges, Hunter Douglas delivers outstanding, high-performance architectural products for design, comfort, and sustainability.

BIM 344

PERFORATION PATTERNS 346

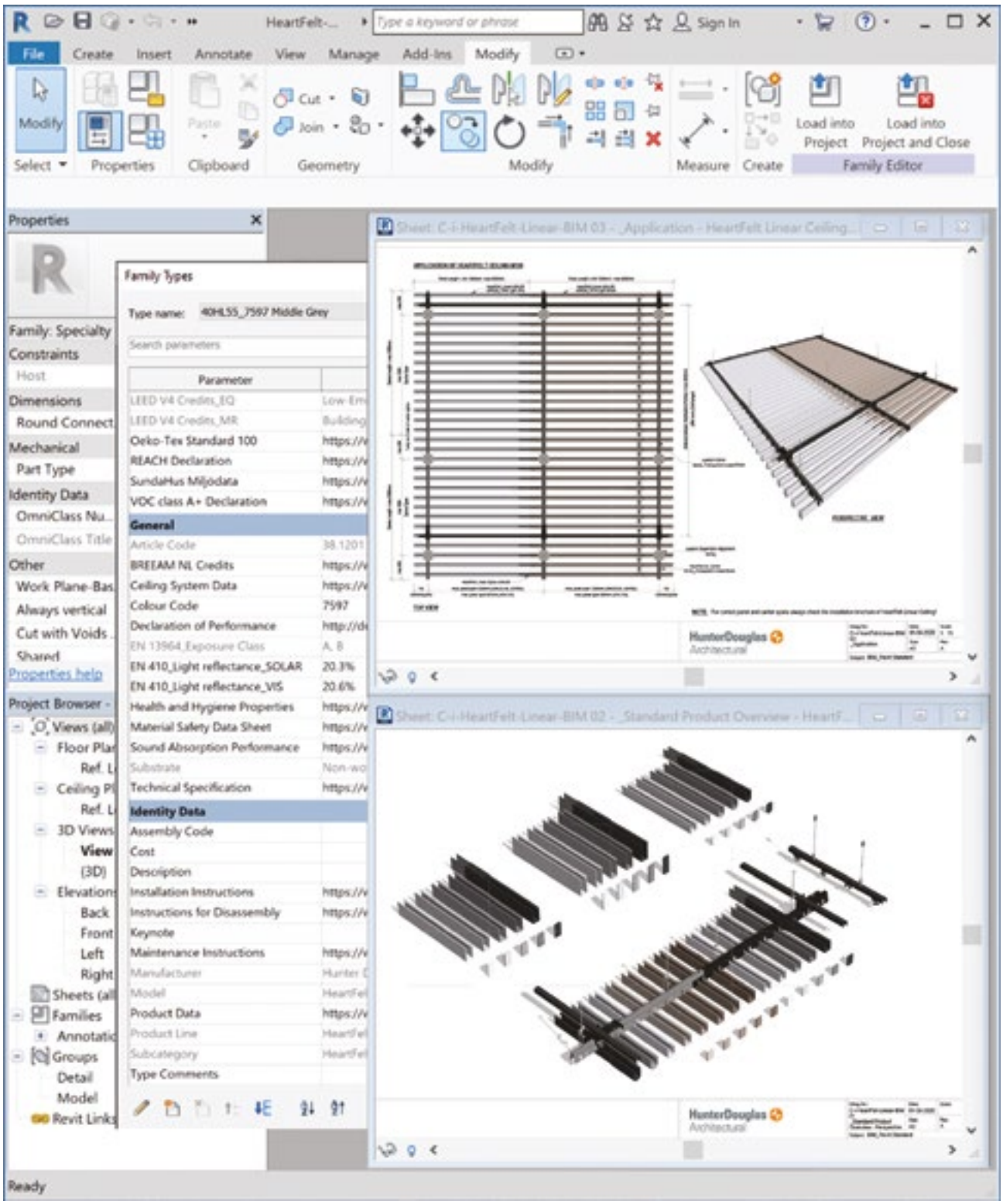
ACOUSTIC TEST RESULTS 348

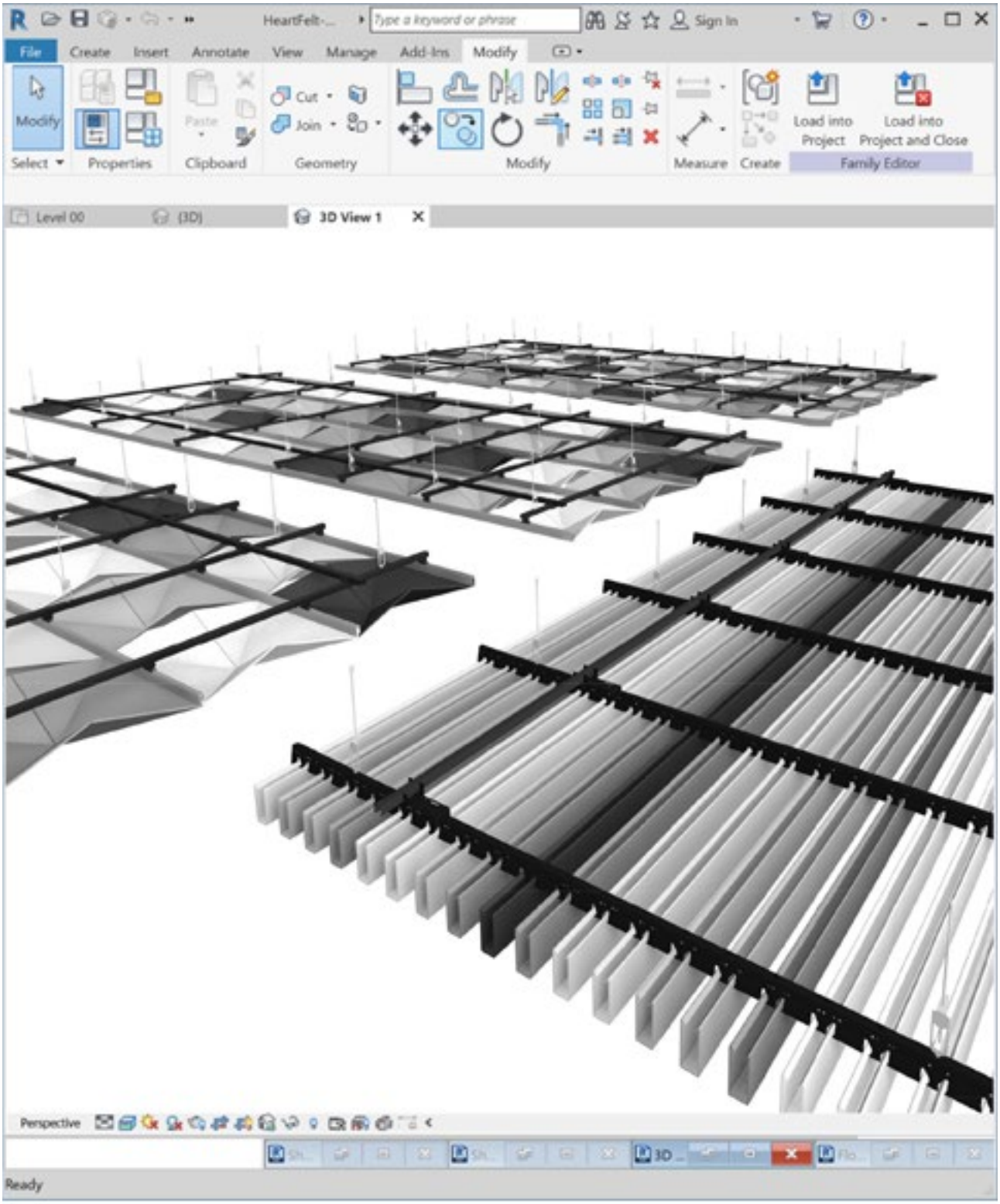
SUSTAINABILITY 357

BIM CAPABLE

Collaboration starts at Hunter Douglas.

Hunter Douglas Architectural offers a comprehensive REVIT file library for BIM requirements, with tools that support the entire project. From design development to working drawings and from preconstruction to construction, all the way through to ongoing operation and maintenance.



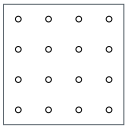

File
Create
Insert
Annotate
View
Manage
Add-Ins
Modify
Modify
Select
Properties
Clipboard
Cut
Join
Geometry
Modify
Measure
Create
Load into Project
Load into Project and Close
Family Editor
Level 00
{3D}
3D View 1
Perspective
Ready

PERFORATION PATTERNS

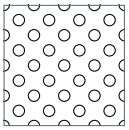
Perforation patterns improve acoustical performance as well as create aesthetic effects. Non-perforated option available for all products. Contact Hunter Douglas Ceilings for wood finish perforation options. Scale 1:1 shown, unless otherwise noted.

METAL CEILINGS

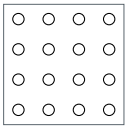
Tiles



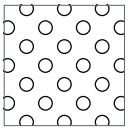
R0803
Ø 0.75 mm
⇳ 4 ⇔ 4
Openness 3%



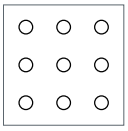
D1522
Ø 1.5 mm
⇳ 4 ⇔ 4
Openness 22%



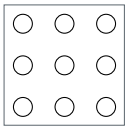
R1511
Ø 1.5 mm
⇳ 4 ⇔ 4
Openness 11%



D1820
Ø 1.8 mm
⇳ 5 ⇔ 5
Openness 20%

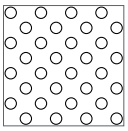


R1810
Ø 1.8 mm
⇳ 5 ⇔ 5
Openness 10%

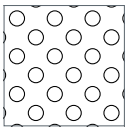


R2516
Ø 2.5 mm
⇳ 5.5 ⇔ 5.5
Openness 16%

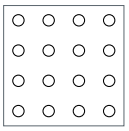
Planks



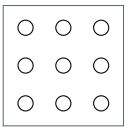
D1522
Ø 1.5 mm
⇳ 4 ⇔ 4
Openness 22%



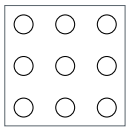
D2022
Ø 2 mm
⇳ 5 ⇔ 5
Openness 22%



R1511
Ø 1.5 mm
⇳ 4 ⇔ 4
Openness 11%

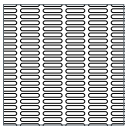


R2011
Ø 2 mm
⇳ 5 ⇔ 5
Openness 11%



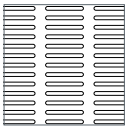
R2516
Ø 2.5 mm
⇳ 5.5 ⇔ 5.5
Openness 16%

(Scale 1:10)



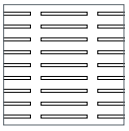
A5x25R
WxH 25 x 5 mm
⇳ 8 ⇔ 30
Openness 50%

(Scale 1:10)



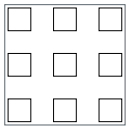
A5x50R
WxH 50 x 5 mm
⇳ 12.5 ⇔ 64
Openness 30.6%

(Scale 1:10)



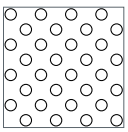
F4x61R
WxH 61 x 4 mm
⇳ 17 ⇔ 75
Openness 19%

(Scale 1:2)

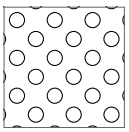


Q6025
☐ 6 mm
⇳ 12 ⇔ 12
Openness 25%

TAVOLA™

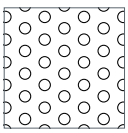


D1522
Ø 1.5 mm
⇳ 4 ⇔ 4
Openness 22%

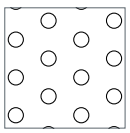


D2022
Ø 2 mm
⇳ 5 ⇔ 5
Openness 22%

Wide Panel

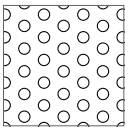


D1523
Ø 1.5 mm
⇳ 3 ⇔ 5.2
Openness 23%



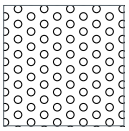
D2016
Ø 2 mm
⇳ 5 ⇔ 8.66
Openness 16%

Linear

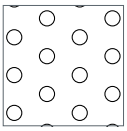


D1523
Ø 1.5 mm
⇳ 3 ⇔ 5.2
Openness 23%

On request



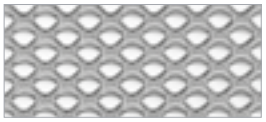
D1023
Ø 1 mm
⇳ 2 ⇔ 3.46
Openness 23%



D2016
Ø 2 mm
⇳ 5 ⇔ 8.66
Openness 16%

Stretch Metal

Square mesh collection

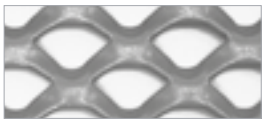


LS6 (FE) (Scale 1:1)
Dimensions: 6 x 4.5 - 1.2 x 1.0
Weight: 4.2 kg/m²
Mesh thickness: 1.5 mm
Openness 90°: 36% **Openness 45°:** 40%

LS8 (FE) (Scale 1:1)
Dimensions: 8 x 6.0 - 1.2 x 1.0
Weight: 3.2 kg/m²
Mesh thickness: 2.0 mm
Openness 90°: 54% **Openness 45°:** 56%

LS10 (FE) (Scale 1:1)
Dimensions: 10 x 7.0 - 1.5 x 1.0
Weight: 3.2 kg/m²
Mesh thickness: 2.0 mm
Openness 90°: 57% **Openness 45°:** 66%

LS12 (FE) (Scale 1:1)
Dimensions: 12 x 9.5 - 1.6 x 1.0
Weight: 3.2 kg/m²
Mesh thickness: 3.0 mm
Openness 90°: 53% **Openness 45°:** 62%



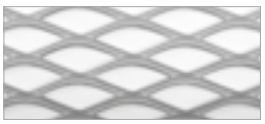
LS16 (FE) (Scale 1:1)
Dimensions: 16 x 11.0 - 3.0 x 1.0
Weight: 4.3 kg/m²
Mesh thickness: 4.0 mm
Openness 90°: 46% **Openness 45°:** 59%

Diamond mesh collection

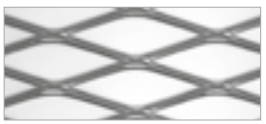
LD10 (Fe) (Scale 1:1)
Dimensions: 10 x 5.8 - 1.5 x 1.0
Weight: 4.1 kg/m²
Mesh thickness: 2.0 mm
Openness 90°: 45% **Openness 45°:** 57%

LD16 (Fe) (Scale 1:1)
Dimensions: 16 x 8.0 - 2.0 x 1.0
Weight: 4.0 kg/m²
Mesh thickness: 3.0 mm
Openness 90°: 52% **Openness 45°:** 65%

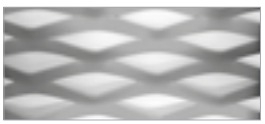
LD20 Rotterdam (Scale 1:2)
Dimensions: 20 x 10 - 2.0 x 1.5
Weight: 4.6 kg/m²
Mesh thickness: 3.5 mm
Openness 90°: 55% **Openness 45°:** 68%



LD28 Moscow (Scale 1:2)
Dimensions: 28 x 10 - 2.0 x 1.5
Weight: 4.8 kg/m²
Mesh thickness: 3.5 mm
Openness 90°: 55% **Openness 45°:** 70%



LD43 Paris (FE) (Scale 1:2)
Dimensions: 43 x 13 - 2.5 x 1.5
Weight: 4.4 kg/m²
Mesh thickness: 4.0 mm
Openness 90°: 67% **Openness 45°:** 77%



LD62 Dubai (Scale 1:4)
Dimensions: 62 x 23 - 8.0 x 1.5
Weight: 3.8 kg/m²
Mesh thickness: 10.0 mm
Openness 90°: 36% **Openness 45°:** 60%

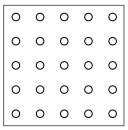
LD85 New York (FE) (Scale 1:4)
Dimensions: 85 x 35 - 11 x 2.0
Weight: 3.4 kg/m²
Mesh thickness: 14.0 mm
Openness 90°: 48% **Openness 45°:** 70%

For stretch metal in aluminium contact our sales unit.

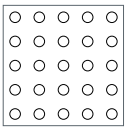
WOOD CEILINGS

Veneered Wood Tiles & Panels

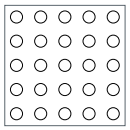
Single perforations - Regular *(Scale 1:5)*



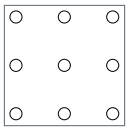
R5008
Ø 5 mm
⇳ 16 ⇿ 16
Openness 8%



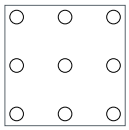
R7015
Ø 7 mm
⇳ 16 ⇿ 16
Openness 15%



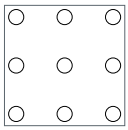
R8020
Ø 8 mm
⇳ 16 ⇿ 16
Openness 20%



R8005
Ø 8 mm
⇳ 32 ⇿ 32
Openness 5%

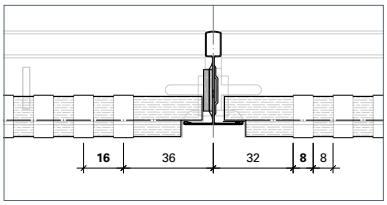


R9006
Ø 9 mm
⇳ 32 ⇿ 32
Openness 6%



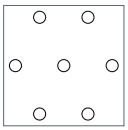
R10008
Ø 10 mm
⇳ 32 ⇿ 32
Openness 8%

Example single perforation

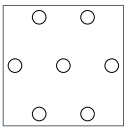


Section Detail *(Scale 1:3)*
R8020 - Ø 8 mm - ⇳ 16 ⇿ 16

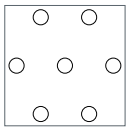
Single perforations - Irregular *(Scale 1:5)*



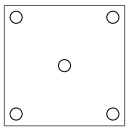
D8005
Ø 8 mm
⇳ 32 ⇿ 32
Openness 5%



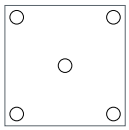
D9006
Ø 9 mm
⇳ 32 ⇿ 32
Openness 6%



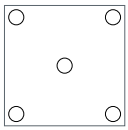
D10008
Ø 10 mm
⇳ 32 ⇿ 32
Openness 8%



D8003
Ø 8 mm
⇳ 32 ⇿ 64
Openness 3%

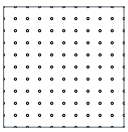


D9003
Ø 9 mm
⇳ 32 ⇿ 64
Openness 3%

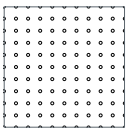


D10004
Ø 10 mm
⇳ 32 ⇿ 64
Openness 4%

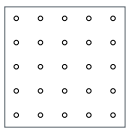
Double perforations - Regular *(Scale 1:5)*



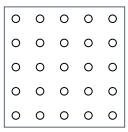
R1503A
Ø 1.5 mm
⇳ 8 ⇿ 8
Openness 3%



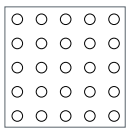
R2005A
Ø 2 mm
⇳ 8 ⇿ 8
Openness 5%



R3003A
Ø 3 mm
⇳ 16 ⇿ 16
Openness 3%

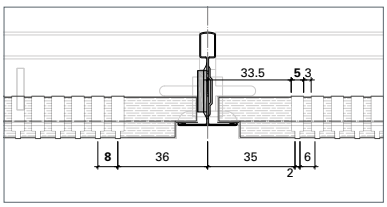


R5008B
Ø 5 mm
⇳ 16 ⇿ 16
Openness 8%



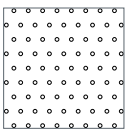
R7015B
Ø 7 mm
⇳ 16 ⇿ 16
Openness 15%

Example double perforation



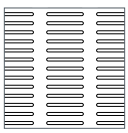
Section Detail *(Scale 1:3)*
R2005A - Ø 2 mm - ⇳ 8 ⇿ 8

Nano perforations *(Scale 1:1)*

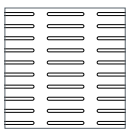


D0505A
Ø 0.5 mm
⇳ 1.9 ⇿ 1.9
Regular
Openness 5%

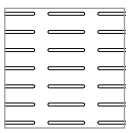
Slotted perforation *(Scale 1:20)*



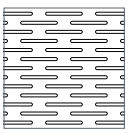
R9724S
WxH 97/8 mm
⇳ 24 ⇿ 132
Regular
Openness 24%



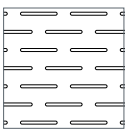
R9718S
WxH 97/8 mm
⇳ 32 ⇿ 132
Regular
Openness 18%



R9711S
WxH 97/8 mm
⇳ 48 ⇿ 132
Regular
Openness 11%



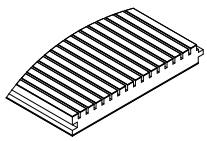
D9724S
WxH 97/8 mm
⇳ 24 ⇿ 132
Irregular
Openness 24%



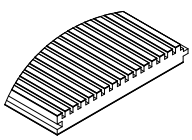
D9711S
Ø 97 mm
⇳ 48 ⇿ 132
Irregular
Openness 11%

Topline Panels

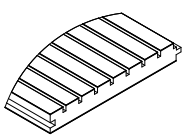
Topline grooves - View sides



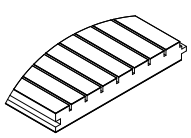
Topline 6/2
Plain 6 mm
Groove 2 mm
Openness 25%



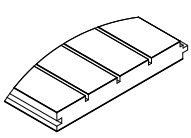
Topline 5/3
Plain 5 mm
Groove 3 mm
Openness 25%



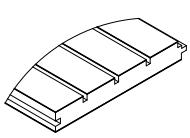
Topline 13/3
Plain 13 mm
Groove 3 mm
Openness 19%



Topline 14/2
Plain 14 mm
Groove 2 mm
Openness 13%



Topline 29/3
Plain 29 mm
Groove 3 mm
Openness 9%



Topline 28/4
Plain 28 mm
Groove 4 mm
Openness 13%

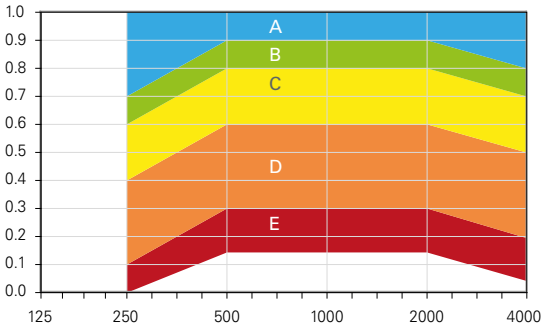
ACOUSTIC TEST RESULTS

SOUND ABSORPTION (α_w) SUMMARY

Ceiling panels are available in a variety of perforation patterns for optimum acoustical performance.
Sound absorption can be achieved by fitting these panels with acoustical tissue or pad.

SOUND ABSORPTION CLASSIFICATION GRAPH

α_w	Sound absorption class
1.00 - 0.95 - 0.90	A
0.85 - 0.80	B
0.75 - 0.70 - 0.65 - 0.60	C
0.55 - 0.50 - 0.45 - 0.40 - 0.35 - 0.30	D
0.25 - 0.20 - 0.15	E
0.10 - 0.05 - 0.00	Not classified



HEARTFELT® LINEAR CEILING

Report: Peutz A 3038-1E-RA-001

Panel type Linear Ceiling	Joint	Lay-On pad	Module	Perforation	NW	Mounting	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	α_w	NRC	Class
40HL55 / 40HR64	open	-	50	-	-	E200	0.16	0.52	0.79	0.64	0.87	0.93	0.70 (H)	0.7	C
40HL55 / 40HR64	open	-	80	-	-	E200	0.08	0.28	0.53	0.49	0.74	0.80	0.55 (H)	0.50	D
40HL55 / 40HR64	open	-	100	-	-	E200	0.06	0.21	0.43	0.44	0.69	0.75	0.45(H)	0.45	D

Report: Peutz A 3211-1E-RA-001

Panel type Linear Ceiling	Joint	Lay-On pad	Module	Perforation	NW	Mounting	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	α_w	NRC	Class
40HL55 / 40HR64	open	-	60	-	-	E200	0.10	0.41	0.63	0.60	0.85	0.91	0.65 (H)	0.55	C
40HL55 / 40HR64	open	-	70	-	-	E200	0.06	0.43	0.56	0.58	0.81	0.87	0.60 (H)	0.50	C
40HL55 / 40HR64	open	-	80	-	-	E200	0.05	0.27	0.48	0.50	0.75	0.82	0.50 (H)	0.45	D
40HL55 / 40HR64	open	-	90	-	-	E200	0.04	0.23	0.43	0.47	0.71	0.79	0.45 (H)	0.40	D

Report: Peutz A 3523-2E-RA-001

Panel type Linear Ceiling	Joint	Lay-On pad	Module	Perforation	NW	Mounting	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	α_w	NRC	Class
Mix 55/80/105	open	-	80	-	-	E200	0.08	0.31	0.55	0.51	0.76	0.82	0.55 (H)	0.53	D
40HL105	open	-	100	-	-	E200	0.08	0.30	0.51	0.46	0.71	0.84	0.50 (H)	0.50	D
40HL105	open	-	110	-	-	E200	0.07	0.29	0.48	0.44	0.70	0.82	0.50 (H)	0.48	D
40HL105	open	-	120	-	-	E200	0.06	0.28	0.47	0.43	0.69	0.82	0.50 (H)	0.47	D
40HL105	open	-	150	-	-	E200	0.06	0.24	0.42	0.38	0.65	0.78	0.45 (H)	0.42	D
40HL105	open	-	200	-	-	E200	0.05	0.20	0.37	0.35	0.59	0.68	0.40 (H)	0.38	D
40HL80	open	-	80	-	-	E200	0.07	0.31	0.50	0.51	0.70	0.82	0.50 (H)	0.50	D
40HL80	open	-	90	-	-	E200	0.07	0.27	0.47	0.47	0.66	0.81	0.45 (H)	0.47	D
40HL80	open	-	100	-	-	E200	0.06	0.25	0.45	0.45	0.65	0.80	0.45 (H)	0.45	D
40HL80	open	-	150	-	-	E200	0.04	0.17	0.35	0.38	0.58	0.71	0.40 (H)	0.37	D

Report: Peutz A 3586-4E-RA-001

Panel type Linear Ceiling	Joint	Lay-On pad	Module	Mounting	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	α_w	NRC	Class
40HL55 / 40HR64	open	Akotherm 40 mm D20	80	E200	0.25	0.63	0.81	0.78	0.91	0.93	0.85	0.78	B
40HL55 / 40HR64	open	Akotherm 40 mm D40	80	E200	0.27	0.69	0.87	0.88	0.94	0.98	0.90	0.85	A
40HL55 / 40HR64	open	Akotherm 25 mm D20	80	E200	0.18	0.49	0.72	0.69	0.83	0.91	0.70	0.68	C
40HL55 / 40HR64	open	Akotherm 20 mm D40	80	E200	0.17	0.51	0.78	0.77	0.89	0.94	0.75 (H)	0.74	C
40HL55 / 40HR64	open	Akotherm 40 mm D40	60	E200	0.28	0.76	0.89	0.90	0.96	0.98	0.95	0.88	A
40HL55 / 40HR64	open	Akotherm 40 mm D40	100	E200	0.23	0.64	0.81	0.88	0.93	1.00	0.85 (H)	0.81	B

HEARTFELT® LINEAR WALL

Report: Peutz A 3723-2E-RA-001

Panel type Linear Wall	Material	Lay-On pad	Module	Mounting	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	α_w	NRC	Class
40HL55 / 40HR64	open	Easypol 40D20	60	E0	0.24	0.65	0.90	0.89	0.92	0.98	0.90	0.84	A
40HL55 / 40HR64	open	Easypol 25D20	60	E0	0.19	0.47	0.80	0.88	0.82	0.98	0.75 (H)	0.74	C
40HL55 / 40HR64	open	-	60	E0	0.04	0.19	0.58	0.80	0.69	0.91	0.50 (MH)	0.56	D

HEARTFELT® MULTIPANEL

Report: Peutz A 3965-3E-RA

Panel type MultiPanel	Joint	Lay-On pad	Module	Perforation	NW	Mounting	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	α_w	SAA	Class
Linear 180HL35	open	-	200	-	-	E200	0.13	0.49	0.79	0.66	0.82	0.86	0.70(H)	0.69	C
Linear 180HL35	open	-	180	-	-	E200	0.23	0.63	0.87	0.72	0.86	0.88	0.80	0.77	B

Report: Peutz A 3965-3E-RA

Panel type MultiPanel	Joint	Lay-On pad	Module	Perforation	NW	Mounting	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	α_w	SAA	Class
Linear 30HL60	open	-	50	-	-	E200	0.09	0.37	0.63	0.57	0.80	0.95	0.60(H)	0.59	C
Linear 80HL35	open	-	100	-	-	E200	0.13	0.38	0.76	0.63	0.85	0.89	0.65(H)	0.65	C
Linear 130HL35	open	-	150	-	-	E200	0.11	0.51	0.82	0.67	0.84	0.88	0.70(H)	0.71	C
Linear mix 30HL60/ 80HL35/130HL35/ 180HL35	open	-	mix	-	-	E200	0.14	0.47	0.79	0.68	0.86	0.89	0.70(H)	0.70	C

HEARTFELT® GROOVE

Report: Peutz A 4394-8E-RA

Panel type Groove	Joint	Lay-On pad	Module	Perforation	NW	Mounting	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	α_w	SAA	Class
60HG50	open	-	80	-	-	E200	0.24	0.57	0.61	0.66	0.84	0.96	0.65(H)	0.67	C

HEARTFELT® BAFFLES

Report: Peutz A 3586-5E-RA-001

Panel type Baffles	Material	Infill	Module	Mounting	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	α_w	NRC	Class
30HB200	6.5 mm	-	150	E200	0.12	0.36	0.36	0.52	0.82	0.99	0.45 (H)	0.51	D
30HB200	6.5 mm	-	200	E200	0.12	0.34	0.37	0.50	0.81	0.95	0.45(H)	0.50	D
30HB200	6.5 mm	-	200	E400	0.16	0.24	0.37	0.56	0.86	0.98	0.45 (H)	0.51	D
30HB200	6.5 mm	-	300	E200	0.11	0.33	0.39	0.43	0.72	0.82	0.45 (H)	0.47	D
30HB200	6.5 mm	-	400	E200	0.11	0.31	0.40	0.41	0.64	0.73	0.45 (H)	0.44	D
80HB400	6.5 mm	-	300	E200	0.42	0.47	0.51	0.75	0.92	1.00	0.60 (H)	0.66	C
80HB400	6.5 mm	-	400	E200	0.35	0.42	0.46	0.68	0.84	0.90	0.55 (H)	0.60	C

Report: Peutz A 3586-5E-RA-001

Panel type Baffles	Material	Remarks	Module	Mounting	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	α_w	NRC	Class
40HB200	6.5 mm	6 elements 1800 mm	random	E0	0.11	0.35	0.59	0.60	0.76	0.81	-	-	-
50HB250	6.5 mm	6 elements 1800 mm	random	E0	0.16	0.50	0.67	0.76	0.92	0.97	-	-	-
50HB250	6.5 mm	24 elements 1800 mm	250	E0	0.09	0.25	0.27	0.36	0.49	0.52	-	-	-
50HB250	6.5 mm	24 elements 1800 mm in frame	250	E0	0.23	0.45	0.41	0.64	0.90	0.98	0.50 (H)	0.60	C
50HB250	6.5 mm	24 elements 1800 mm in frame	500	E0	0.19	0.38	0.37	0.50	0.70	0.74	0.45 (H)	0.49	D
50HB250	6.5 mm	24 elements 1800 mm	500	E0	0.16	0.38	0.44	0.54	0.73	0.76	-	-	-
80HB400	6.5 mm	6 elements 1800 mm	random	E0	0.41	0.79	0.90	1.19	1.31	1.43	-	-	-

HEARTFELT® BAFFELS

Report: Peutz A 4095-20-RA-001

Panel type Baffles	Material	Remarks	Module	Mounting	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	α_w	NRC	Class
40HB300	6.5 mm	6 elements 1800 mm	random	E0	0.20	0.60	0.66	0.78	1.02	1.06	-	-	-
40HB500	6.5 mm	6 elements 1800 mm	random	E0	0.40	0.73	0.87	1.14	1.50	1.56	-	-	-

Report: Peutz A 4095-20-RA-001

Panel type Baffles	Material	Remarks	Module	Mounting	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	α_w	NRC	Class
40HB300	6.5 mm	8 elements 1800 mm	762	E0	0.12	0.34	0.30	0.42	0.56	0.58	0.40(H)	0.41	D
40HB500	6.5 mm	8 elements 1800 mm	762	E0	0.27	0.36	0.40	0.55	0.72	0.74	0.50(H)	0.51	D

HEARTFELT® ORIGAMI

Report: Peutz A 3965-2E-RA

Panel type Origami	Material	Infill	Mounting	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	α_w	NRC	Class
Origami Pyramid	6.5 mm	-	E400	0.38	0.68	0.69	0.84	0.88	0.92	0.80 (H)	0.77	B
Origami Pyramid	6.5 mm	Akotherm 20D40	E400	0.54	0.81	0.82	0.93	0.95	1.00	0.90 (H)	0.88	A
Origami Pyramid	6.5 mm	Akotherm 20D40	E400	0.54	0.86	0.90	0.95	0.98	1.01	0.95 (H)	0.92	A

Report: Peutz A 4394-5E-RA-001

Panel type Origami	Material	Infill	Mounting	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	α_w	NRC	Class
Origami S-Curve	6.5 mm	-	E400	0.35	0.68	0.65	0.78	0.83	0.90	0.75 (H)	0.73	C
Origami A-Curve	6.5 mm	-	E400	0.39	0.70	0.65	0.76	0.84	0.89	0.75 (H)	0.74	C

Report: Peutz A 4394-4E-RA-001

Panel type Origami	Material	Infill	Mounting	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	α_w	NRC	Class
Origami Weave 6	6.5 mm	-	E400	0.18	0.33	0.42	0.73	0.87	0.94	0.50 (H)	0.59	D
Origami Weave 5	6.5 mm	-	E400	0.18	0.38	0.48	0.76	0.85	0.92	0.60 (H)	0.62	C
Origami Weave 4	6.5 mm	-	E400	0.25	0.44	0.52	0.79	0.88	0.94	0.60 (H)	0.66	C
Origami Weave 3	6.5 mm	-	E400	0.23	0.54	0.61	0.79	0.84	0.91	0.70 (H)	0.70	C

VENEERED WOOD TILES AND PANELS

Report: Peutz A 3625-2E-RA-001

Perforation type	Lay-On pad	Perfo front	Perfo back	NW	Mounting	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	α_w	SAA	Class
Nano Perforation	-	D0505	R8020	√	E200	0.40	0.63	0.70	0.54	0.48	0.40	0.55 (L)	0,59	D
Nano Perforation	Easypol 20 mm D20	D0505	R8020	√	E200	0.45	0.67	0.73	0.58	0.51	0.40	0.55 (L)	0,62	D
Nano Perforation	Easypol 40 mm D40	D0505	R8020	√	E200	0.50	0.69	0.70	0.62	0.51	0.40	0.55 (L)	0,63	D
Nano Perforation	Easypol 40 mm D40	D0505	R8020	√	E60	0.35	0.70	0.80	0.66	0.48	0.40	0.55 (LM)	0,66	D
Nano Perforation	-	D0505	D10041	√	E200	0.34	0.70	0.83	0.67	0.66	0.54	0.65 (L)	0,72	C
Nano Perforation	Easypol 20 mm D20	D0505	D10041	√	E200	0.42	0.79	0.88	0.74	0.71	0.56	0.70 (L)	0,78	C
Nano Perforation	Easypol 40 mm D40	D0505	D10041	√	E200	0.52	0.83	0.88	0.80	0.73	0.56	0.75 (L)	0,81	C
Nano Perforation	Easypol 40 mm D40	D0505	D10041	√	E60	0.27	0.70	1.00	0.89	0.67	0.56	0.70 (M)	0,81	C

Report: Peutz A 2513-3E-NO

Perforation type	Lay-On pad	Perfo front	Perfo back	NW	Mounting	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	α_w	SAA	Class
Nano Perforation	Mineral wool 40 mm	D0505	D10024	√	E60	0.23	0.68	0.96	0.98	0.97	0.82	0.95	0.90	A
Nano Perforation	Caruso 10 mm	D0505	D10024	√	E30	0.06	0.24	0.63	0.97	0.99	0.78	0.60	0.70	C

VENEERED WOOD TILES AND PANELS

Report: Peutz A 1346-1E-RA

Perforation type	Lay-On pad	Perfo front	Perfo back	NW	Mounting	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	α_w	SAA	Class
Single	Mineral wool 50 mm	R7015	-	-	E200	0.52	0.70	0.77	0.74	0.67	0.62	0.70	0.70	C
Single	Mineral wool 50 mm	R7015	-	√	E60	0.39	0.70	0.84	0.76	0.66	0.66	0.75	0.75	C
Single	Mineral wool 50 mm	R9006	-	√	E200	0.39	0.45	0.47	0.43	0.36	0.31	0.40 (L)	0.45	D
Single	Mineral wool 50 mm	R9006	-	√	E60	0.42	0.5	0.51	0.44	0.36	0.37	0.45 (L)	0.45	D
Double	Mineral wool 50 mm	R5008B	-	√	E200	0.52	0.78	0.85	0.80	0.66	0.45	0.65 (L)	0.80	C
Double	Mineral wool 50 mm	R5008B	-	√	E60	0.34	0.74	0.97	0.81	0.65	0.51	0.65 (LM)	0.80	C
Slotted	Mineral wool 50 mm	R9724S	-	√	E200	0.47	0.72	0.81	0.78	0.72	0.62	0.75	0.75	C
Slotted	Mineral wool 50 mm	R9724S	-	√	E200	0.44	0.58	0.63	0.55	0.44	0.36	0.50 (L)	0.55	D
Slotted	Mineral wool 50 mm	D9724S	-	√	E200	0.48	0.69	0.78	0.75	0.70	0.64	0.75	0.75	C
Slotted	Mineral wool 50 mm	D9724S	-	√	E200	0.38	0.52	0.56	0.51	0.43	0.34	0.50	0.5	D

Report: Peutz A 2827-1E-RA

Perforation type	Lay-On pad	Perfo front	Perfo back	NW	Mounting	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	α_w	SAA	Class
Single	Mineral wool 50 mm	R8020	-	√	E200	0.49	0.80	0.89	0.87	0.74	0.68	0.80	0.85	B
Single	Mineral wool 50 mm	R8020	-	√	E60	0.35	0.78	0.96	0.87	0.71	0.67	0.75 (L)	0.85	C

Report: Peutz A 1553-3E

Perforation type	Lay-On pad	Perfo front	Perfo back	NW	Mounting	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	α_w	SAA	Class
Double	Mineral wool 50 mm	R1503A	-	√	E200	0.64	0.84	0.71	0.55	0.35	0.21	0.35 (LM)	0.65	D
Double	Mineral wool 50 mm	R1503A	-	√	E60	0.38	0.74	0.85	0.55	0.32	0.22	0.35	0.65	D

SOLID WOOD & VENEERED WOOD LINEAR

Report: Peutz A 3806-2E-RA-001

Panel type Linear	Joint	joint fill-in	Module	Mounting	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	α_w	SAA	Class
Wood Linear 65 x 17 mm	5 mm	-	70	E200	0.07	0.18	0.13	0.12	0.17	0.29	0.15 (L)	0.15	E
Wood Linear 150 x 17 mm	30 mm	NW strips 2 mm	180	E200	0.36	0.63	0.44	0.30	0.31	0.29	0.35 (L)	0.42	D

SOLID WOOD & VENEERED WOOD GRILL

Report: Peutz A 3806-2E-RA-001

Panel type Grill	Lay-on pad	NW	Mounting	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	α_w	NRC	Class
Wood Grill 6-33-17-46	-	3 mm	E200	0.09	0.23	0.34	0.30	0.40	0.45	0.35	0.32	D
Wood Grill 6-33-17-46	Easypol 25 mm D20	3 mm	E200	0.18	0.41	0.57	0.51	0.61	0.65	0.55	0.53	D
Wood Grill 3-88-31-119	Easypol 25 mm D20	3 mm	E200	0.06	0.18	0.28	0.32	0.38	0.44	0.35	0.29	D

VENEERED WOOD TOPLINE

Report: Peutz A 1553-3E

Panel type	Lay-on pad	NW	Mounting	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	α_w	NRC	Class
TopLine TLS 6/2	Mineral wool 50 mm	√	E200	0.46	0.87	0.97	0.93	0.89	0.75	0.90	0.95	A
TopLine TLS 14/2	Mineral wool 50 mm	√	E200	0.48	0.87	0.88	0.78	0.61	0.49	0.65 (LM)	0.80	C
TopLine TLS 5/3	Mineral wool 50 mm	√	E200	0.48	0.89	0.97	0.92	0.84	0.69	0.85	0.90	B
TopLine TLS 13/3	Mineral wool 50 mm	√	E200	0.54	0.81	0.83	0.76	0.61	0.50	0.65	0.75	C
TopLine TLS 28/4	Mineral wool 50 mm	√	E200	0.46	0.74	0.73	0.61	0.42	0.31	0.45 (LM)	0.65	D

Report: Peutz A 3806-2E-RA-001

Panel type	Lay-on pad	NW	Mounting	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	α_w	NRC	Class
TopLine TLS 29/3	-	√	E200	0.45	0.67	0.60	0.45	0.37	0.33	0.45 (L)	0.52	D

METAL PLANKS

Report: Peutz A 2600-1E-RA-001

Panel type Planks	Lay-In pad	Perforation	NW	Mounting	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	α_w	NRC	Class
670 x 1500 mm	-	R3.0U6.4x6.4 (R316)	√	E400	0.53	0.73	0.64	0.70	0.76	0.70	0.70 (L)	0.65	C
670 x 1500 mm	40 mm	R3.0U6.4x6.4 (R316)	√	E400	0.61	0.80	0.83	0.95	0.96	0.89	0.95	0.90	A

Report: Peutz A 1647-1E-RA

Panel type Planks	Lay-In pad	Perforation	NW	Mounting	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	α_w	NRC	Class
600 x 1200 mm	40 mm	R1.5Z4.0x4.0 (D1522)	√	E200	0.47	0.80	0.94	0.88	0.92	0.72	0.90	0.90	A

TILES

Report: CSI_0129-A-DC-ACU-08

Panel type Clip-In	Lay-In pad	Perforation	NW	Mounting	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	α_w	NRC	Class
600 x 600 mm	-	R1.5T3 (D1522)	√	E300	0.35	0.65	0.50	0.50	0.55	0.55	0.55 (L)	0.55	D

Report: CSI_0129-B-DC-ACU-08rev01

Panel type Clip-In	Lay-In pad	Perforation	NW	Mounting	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	α_w	NRC	Class
600 x 600 mm	-	D222	√	E300	0.30	0.70	0.55	0.50	0.55	0.55	0.55 (L)	0.55	D

Report: CSI_0129-C-DC-ACU-08

Panel type Clip-In	Lay-In pad	Perforation	NW	Mounting	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	α_w	NRC	Class
600 x 600 mm	-	R2516	√	E300	0.35	0.70	0.55	0.50	0.55	0.55	0.55 (L)	0.55	D

Report: CSI_0129-C-DC-ACU-08

Panel type Clip-In	Lay-In pad	Perforation	NW	Mounting	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	α_w	NRC	Class
600 x 600 mm	-	R2516 / 100 blind	√	E300	0.40	0.70	0.50	0.40	0.40	0.35	0.45 (L)	0.50	D

Report: Peutz A 2720-1E-RA-002

Panel type	Lay-In pad	Perforation	NW	Mounting	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	α_w	NRC	Class
Clip-In 600 x 600	-	R1.85U4x4 (P258)	√	E200	0.25	0.61	0.82	0.57	0.67	0.66	0.65	0.65	C
Clip-In 600 x 600	25 mm	R1.85U4x4 (P258)	√	E200	0.41	0.78	0.95	0.85	0.89	0.75	0.90	0.85	A
Lay-On 600 x 600	-	R1.55Z4.3x4.3 (P138)	√	E200	0.21	0.56	0.76	0.54	0.64	0.65	0.65	0.60	C
Lay-On 600 x 600	25 mm	R1.55Z4.3x4.3 (P138)	√	E200	0.35	0.77	0.94	0.83	0.93	0.79	0.90	0.85	A
Clip-In 300 x 1200	-	R1.85U4x4 (P122)	√	E200	0.24	0.60	0.83	0.55	0.65	0.66	0.65	0.65	C
Clip-In 300 x 1200	25 mm	R1.85U4x4 (P122)	√	E200	0.39	0.74	0.94	0.82	0.91	0.74	0.85	0.85	B

Report: Peutz A 1818-1E-RA

Panel type Clip-In	Lay-In pad	Perforation	NW	Mounting	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	α_w	NRC	Class
600 x 600 mm	-	R2.5T5.8 (R2516)	√	E400	0.57	0.84	0.61	0.70	0.74	0.67	0.70 (L)	0.70	C
600 x 600 mm	-	R1.5Z4.0x4.0 (D1522)	√	E400	0.56	0.80	0.55	0.64	0.71	0.70	0.65 (L)	0.65	C

Report: Peutz A 1818-1E-RA

Panel type HIA CG10	Lay-In pad	Perforation	NW	Mounting	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	α_w	NRC	SAA	Class
600 x 600 mm	-	D1522	√	E200	0,25	0,56	0,79	0,57	0,65	0,65	0,65	0,65	0,64	C
600 x 600 mm	Easypol 20D40	D1522	√	E200	0,35	0,78	0,93	0,80	0,91	0,89	0,90	0,85	0,86	A

STRETCH METAL

Report: Giordano 149594

Panel type	Lay-In pad	Perforation	NW	Mounting	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	α_w	NRC	Class
800 x 800 mm	40 mm D35	LS8/ Q8	-	E300	0.60	0.90	0.85	0.95	1.00	1.00	0.95	0.93	A

Report: Giordano 149595

Panel type	Lay-In pad	Perforation	NW	Mounting	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	α_w	NRC	Class
600 x 600 mm	25 mm D24	LD6/ R6	-	E300	0.45	0.80	0.80	0.80	0.90	1.00	0.85	0.83	B

Report: Giordano 149596

Panel type	Lay-In pad	Perforation	NW	Mounting	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	α_w	NRC	Class
600 x 600 mm	25 mm D24	LS8/ Q8	-	E300	0.50	0.80	0.80	0.80	0.85	1.00	0.85	0.81	B

Report: Giordano 149597

Panel type	Lay-In pad	Perforation	NW	Mounting	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	α_w	NRC	Class
800 x 800 mm	85 mm D24	LS10/ Q10	-	E300	0.75	0.90	0.95	0.95	1.00	1.00	1.00	0.95	A

WIDE PANEL

Report: TPD-HAG-RPT-940037

Panel type	Infill	Module	Perforation	NW	Mounting	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	α_w	NRC	Class
300C	-	300	R1.5T3 (D1522)	√	E400	0.68	0.83	0.70	0.74	0.76	0.78	0.75 (L)	0.70	C
300C	25 mm	300	R1.5T3 (D1522)	√	E400	0.79	0.93	0.84	0.99	1.01	0.96	-	0.90	A
300C	-	300	R2.0T5 (D2016)	√	E400	0.70	0.81	0.69	0.77	0.79	0.79	0.75 (L)	0.75	C
300C	25 mm	300	R2.0T5 (D2016)	√	E400	0.70	0.83	0.84	0.96	0.94	0.88	-	0.90	A

Report: Peutz AT 1223-1

Panel type	Infill	Module	Perforation	NW	Mounting	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	α_w	NRC	Class
300C	50 mm	300	R1.5T3 (D1522)	√	E200	0.67	0.85	0.89	0.91	0.92	0.86	0.90	0.90	A
300C	50 mm	300	R1.5T3 (D1522)	√	E400	0.67	0.76	0.84	0.96	0.94	0.87	0.95	0.90	A

BAFFLES

Report: Peutz A 3144-1E-RA-001

Panel type	Infill	Module	Perforation	NW	Mounting	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	α_w	NRC	Class
30 x 200 mm	-	150	R1.5T3 (D1522)	√	E0	0.17	0.42	0.44	0.48	0.61	0.64	0.50 (H)	0.49	D
30 x 200 mm	-	200	R1.5T3 (D1522)	√	E0	0.17	0.37	0.42	0.37	0.47	0.52	0.50	0.41	D
30 x 200 mm	-	300	R1.5T3 (D1522)	√	E0	0.16	0.35	0.39	0.33	0.41	0.43	0.40	0.37	D
30 x 200 mm	-	400	R1.5T3 (D1522)	√	E0	0.17	0.39	0.43	0.43	0.55	0.62	0.40	0.45	D
30 x 200 mm	-	200	R1.5T3 (D1522)	√	E200	0.21	0.32	0.32	0.48	0.61	0.66	0.40 (H)	0.43	D

Report: Peutz A 4394-6E-RA

Panel type	Lay-On pad	Infill	Module	Perforation	NW	Mounting	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	α_w	NRC	Class
30 x 200 mm	-	-	150	R1.5T3 (D1522)	√	E400	0.18	0.32	0.34	0.53	0.67	0.76	0.45 (H)	0.47	D
30 x 200 mm	-	-	150	R1.5T3 (D1522) plain bottom	√	E400	0.18	0.31	0.32	0.49	0.66	0.70	0.40 (H)	0.45	D
30 x 200 mm	Akotherm 20 mm D40	-	150	R1.5T3 (D1522)	√	E400	0.29	0.57	0.71	0.74	0.92	0.97	0.75 (H)	0.74	C
30 x 200 mm	Akotherm 20 mm D40	-	150	R1.5T3 (D1522)	√	E400	0.42	0.71	0.84	0.87	1.02	1.02	0.90 (H)	0.86	A
30 x 200 mm	-	-	100	R1.5T3 (D1522)	√	E400	0.20	0.36	0.36	0.56	0.73	0.82	0.45 (H)	0.50	D
30 x 200 mm	-	-	200	R1.5T3 (D1522)	√	E400	0.16	0.29	0.31	0.47	0.61	0.70	0.40 (H)	0.42	D
30 x 200 mm	-	-	250	R1.5T3 (D1522)	√	E400	0.16	0.28	0.30	0.44	0.57	0.65	0.40 (H)	0.40	D
40 x 162 mm	-	-	150	R1.5T3 (D1522) plain bottom	√	E400	0.19	0.31	0.33	0.50	0.71	0.68	0.45(H)	0.46	D
40 x 162 mm	-	√	150	R1.5T3 (D1522) plain bottom	√	E400	0.22	0.35	0.57	0.75	0.85	0.76	0.60 (H)	0.63	C
40 x 162 mm	-	-	200	R1.5T3 (D1522) plain bottom	√	E400	0.16	0.27	0.30	0.45	0.64	0.61	0.40(H)	0.42	D
40 x 162 mm	-	-	250	R1.5T3 (D1522) plain bottom	√	E400	0.16	0.24	0.30	0.46	0.63	0.57	0.40(H)	0.41	D

BAFFLES

Report: Peutz A 4394-10E-RA

Panel type	Lay-On pad	Module	Perforation	NW	Mounting	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	α_w	NRC	Class
40 x 162 mm + 150C	-	190	Plain / R1.5T3 (D1522) NW	√	E400	0.31	0.47	0.65	0.47	0.52	0.49	0.50 (H)	0.53	D
40 x 162 mm + 150C	-	190	R1.5T3 NW plain bottom / R1.5T3 NW	√	E400	0.32	0.49	0.67	0.62	0.78	0.75	0.65 (H)	0.64	C
40 x 162 mm + 150C	-	190	R1.5T3 NW plain bottom / plain	√	E400	0.32	0.59	0.59	0.57	0.67	0.64	0.60 (H)	0.60	C

CELL

Report: Peutz A1106-1E

Panel type	Lay-In pad	Module	Perforation	NW	Mounting	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	α_w	NRC	Class
Cell40	-	50	R1.0T2 (D1023)	√	E200	0.05	0.14	0.24	0.30	0.49	0.65	0.30 (H)	0.30	D
Cell40	-	100	R1.0T2 (D1023)	√	E200	0.04	0.10	0.17	0.22	0.41	0.60	0.20 (H)	0.20	E
Cell40	-	200	R1.0T2 (D1023)	√	E200	0.02	0.07	0.12	0.15	0.31	0.47	0.15 (H)	0.15	E

Report: Peutz A 3729-2E-RA-001

Panel type	Lay-In pad	Module	Perforation	NW	Mounting	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	α_w	NRC	Class
Cell40	Akopol 25 mm D65	100	-	-	E200	0.23	0.61	0.84	0.81	0.81	0.85	0.80	0.77	B
Cell40	Akopol 25 mm D70	100	-	-	E200	0.24	0.64	0.88	0.82	0.82	0.86	0.85	0.79	B

LINEAR

Report: Peutz A 1846-1E

Panel type Linear	Joint	Infill	Module	Perforation	NW	Mounting	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	α_w	NRC	Class
30BD	open	√	50	R1.0T2 (D1022)	√	E0	0.06	0.23	0.70	0.91	0.77	0.82	0.55 (MH)	0.65	D
30BD	open	√	50	R1.0T2 (D1022)	√	E100	0.06	0.26	0.69	0.74	0.80	0.87	0.55 (H)	0.65	D
30BD	open	√	50	R1.0T2 (D1022)	√	E400	0.15	0.23	0.46	0.76	0.90	0.91	0.50 (MH)	0.60	D
30BD	open	-	50	R1.0T2 (D1022)	√	E400	0.17	0.27	0.35	0.55	0.69	0.71	0.45 (H)	0.45	D
30BD	closed	-	50	R1.0T2 (D1022)	√	E400	0.55	0.69	0.57	0.73	0.85	0.80	0.65 (LH)	0.70	C

Report: Peutz A 4394-9E-RA

Panel type	Joint	Lay-On pad	Module	Perforation	NW	Mounting	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	α_w	NRC	Class
30BD	open	-	50	R1.5T3 (D1522)	√	E200	0.10	0.29	0.39	0.52	0.70	0.73	0.50 (H)	0.47	D

Report: Peutz A 2025-2E-RA

Panel type Linear	Joint	Infill	Module	Perforation	NW	Mounting	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	α_w	NRC	Class
30BD	open	√	50	R1.5T3 (D1522)	√	E200	0.10	0.27	0.69	0.74	0.78	0.88	0.55 (H)	0.60	D
30BXD	open	√	75	R1.5T3 (D1522)	√	E200	0.08	0.25	0.53	0.57	0.77	0.84	0.55 (H)	0.55	D
30BXD	open	-	60	R1.5T3 (D1522)	√	E200	0.05	0.21	0.58	0.60	0.66	0.77	0.50 (H)	0.50	D
30BXD	open	√	60	R1.5T3 (D1522)	√	E200	0.09	0.30	0.66	0.67	0.85	0.91	0.60 (H)	0.65	C

Report: Peutz A 2558-1E-RA

Panel type Linear	Joint	Infill	Module	Perforation	NW	Mounting	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	α_w	NRC	Class
30BXD	open	-	50	R1.5T3 (D1522)	√	E200	0.08	0.36	0.57	0.50	0.67	0.85	0.55 (H)	0.50	D
30BXD	closed	-	50	R1.5T3 (D1522)	√	E200	0.18	0.53	0.77	0.67	0.84	0.89	0.75 (H)	0.70	C
30BXD	open	-	60	R1.5T3 (D1522)	√	E200	0.06	0.3	0.51	0.46	0.62	0.79	0.50 (H)	0.45	D
80BXD	open	-	100	R1.5T3 (D1522)	√	E200	0.18	0.63	0.82	0.66	0.79	0.85	0.75	0.70	C
80BXD	closed	-	100	R1.5T3 (D1522)	√	E200	0.24	0.64	0.87	0.76	0.89	0.90	0.85	0.80	B
130BXD	open	-	150	R1.5T3 (D1522)	√	E200	0.17	0.65	0.91	0.7	0.79	0.74	0.80	0.75	B
130BXD	closed	-	150	R1.5T3 (D1522)	√	E200	0.22	0.66	0.91	0.74	0.87	0.78	0.85	0.80	B

LINEAR

Report: Peutz A 2760-1E-RA-001

Panel type Linear	Joint	Module	Perforation	NW	Mounting	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	α_w	NRC	Class
75C	-	75	R1.5T3 (D1522)	√	E200	0.26	0.67	0.87	0.67	0.78	0.73	0.75	0.75	C
150C	-	150	R1.5T3 (D1522)	√	E200	0.26	0.67	0.88	0.66	0.75	0.69	0.75	0.74	C
225C	-	225	R1.5T3 (D1522)	√	E200	0.31	0.68	0.89	0.70	0.76	0.70	0.75	0.76	C
75C/150C/225C	-	75-150-225	R1.5T3 (D1522)	√	E200	0.27	0.66	0.86	0.67	0.75	0.72	0.75	0.74	C
84R	closed	100	R1.5T3 (D1522)	√	E200	0.34	0.65	0.88	0.70	0.74	0.66	0.75	0.74	C
80B	closed	100	R1.5T3 (D1522)	√	E200	0.32	0.69	0.86	0.69	0.73	0.61	0.75	0.74	C
130B	closed	150	R1.5T3 (D1522)	√	E200	0.32	0.66	0.88	0.69	0.73	0.66	0.75	0.74	C
180B	closed	200	R1.5T3 (D1522)	√	E200	0.31	0.65	0.87	0.71	0.75	0.65	0.75	0.74	C
80B/130B/180B	closed	100-150-200	R1.5T3 (D1522)	√	E200	0.33	0.66	0.86	0.69	0.74	0.65	0.75	0.74	C
84B	closed	100	R1.5T3 (D1522)	√	E200	0.28	0.68	0.87	0.69	0.74	0.65	0.75	0.75	C
134B	closed	150	R1.5T3 (D1522)	√	E200	0.22	0.66	0.88	0.68	0.75	0.66	0.75	0.74	C
184B	closed	200	R1.5T3 (D1522)	√	E200	0.34	0.66	0.88	0.72	0.75	0.67	0.75	0.75	C
84B/134B/184B	closed	100-150-200	R1.5T3 (D1522)	√	E200	0.27	0.69	0.89	0.70	0.74	0.66	0.75	0.75	C
30BD	closed	50	R1.5T3 (D1522)	√	E200	0.22	0.59	0.88	0.65	0.83	0.76	0.75	0.74	C

Report: Peutz A 2564-2-RA-001

Panel type Linear	Joint	Infill	Module	Perforation	NW	Mounting	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	α_w	NRC	Class
ICC panel	open	35 x 150	100	R1.5T3 (D1522)	√	E600	0.30	0.37	0.65	0.80	0.87	0.90	0.65 (H)	0.70	C

Report: Peutz MA82

Panel type Linear	Joint	Infill	Module	Perforation	NW	Mounting	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	α_w	NRC	Class
70U	open	PI365	100	-	-	E200	0.89	0.92	0.82	0.78	0.59	0.42	-	0.78	C

Report: Peutz A 2760-2E-RA-001

Panel type Linear	Joint	Lay-On pad	Module	Perforation	NW	Mounting	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	α_w	NRC	Class
80B	closed	-	100	R1.5T3 (D1522)	√	E400	0.40	0.67	0.63	0.71	0.77	0.68	0.70	0.70	C
130B	closed	-	150	R1.5T3 (D1522)	√	E400	0.42	0.68	0.63	0.70	0.77	0.70	0.70	0.70	C
180B	closed	-	200	R1.5T3 (D1522)	√	E400	0.41	0.69	0.62	0.71	0.78	0.70	0.70	0.70	C
80B	closed	40 mm	100	R1.5T3 (D1522)	√	E400	0.47	0.77	0.83	0.88	0.86	0.75	0.85	0.84	B
80B	open	40 mm	100	R1.5T3 (D1522)	√	E400	0.49	0.81	0.91	0.97	0.98	0.91	0.95	0.92	A
130B	closed	40 mm	150	R1.5T3 (D1522)	√	E400	0.47	0.71	0.80	0.89	0.86	0.77	0.85	0.82	B
130B	open	40 mm	150	R1.5T3 (D1522)	√	E400	0.52	0.78	0.87	0.94	0.94	0.88	0.95	0.88	A
180B	closed	40 mm	200	R1.5T3 (D1522)	√	E400	0.45	0.74	0.84	0.88	0.87	0.79	0.90	0.83	A
180B	open	40 mm	200	R1.5T3 (D1522)	√	E400	0.45	0.79	0.87	0.93	0.93	0.87	0.95	0.88	A

Report: Peutz A 3086-1-RA-001

Panel type Linear	Joint	Infill	Module	Perforation	NW	Mounting	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	α_w	NRC	Class
225C	-	-	225	R1.5T3 (D1522)	√	E200	0.40	0.71	0.85	0.69	0.75	0.74	0.75	0.75	C
225C	-	85% PCM	225	R1.5T3 (D1522)	√	E200	0.40	0.56	0.46	0.31	0.37	0.57	0.35 (LH)	0.53	D
225C	-	54% PCM	225	R1.5T3 (D1522)	√	E200	0.37	0.66	0.67	0.51	0.55	0.65	0.55 (L)	0.60	D

LINEAR

Report: Peutz A 1709-1E-RA

Panel type Linear	Joint	Lay-On pad	Module	Perforation	NW	Mounting	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	α_w	NRC	Class
30BD	closed	-	100	R2.0T5 (D2016)	√	E400	0.35	0.70	0.87	0.67	0.81	0.80	0.75	0.75	C
30BD side perf	closed	-	150	R2.0T5 (D2016)	√	E400	0.41	0.75	0.85	0.72	0.87	0.81	0.80	0.80	B
225C	-	-	225	R1.5T3 (D1522)	√	E400	0.33	0.67	0.88	0.72	0.77	0.78	0.75	0.75	C
225C	-	-	225	R2.0T5 (D2016)	√	E400	0.39	0.72	0.87	0.72	0.75	0.74	0.75	0.75	C
80B	closed	-	100	R2.0T5 (D2016)	√	E400	0.41	0.74	0.82	0.70	0.70	0.66	0.75	0.75	C
130B	closed	-	150	R2.0T5 (D2016)	√	E400	0.37	0.71	0.84	0.72	0.74	0.71	0.75	0.75	C
180B	closed	-	180	R2.0T5 (D2016)	√	E400	0.38	0.71	0.84	0.72	0.74	0.71	0.75	0.75	C
84R	closed	-	100	R2.0T5 (D2016)	√	E400	0.43	0.74	0.79	0.70	0.70	0.68	0.75	0.75	C

Report: Peutz A 3842-2E-RA-001

Panel type Linear	Joint	Lay-On pad	Module	Perforation	NW	Mounting	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	α_w	NRC	Class
30BD Al	open	RW553 (25D40)	50	R1.0T2 (D1022)	√	E200	0.33	0.81	1.00	0.93	0.99	0.99	1.00	0.93	A
30BD Fe	open	RW553 (25D40)	50	-	-	E200	0.36	0.88	0.96	0.77	0.61	0.79	0.70 (LM)	0.80	C

Report: Peutz A 3842-4E-RA

Panel type Linear	Joint	Lay-On pad	Module	Perforation	NW	Mounting	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	α_w	NRC	Class
30BD Fe	open	RW553 (40D40)	50	-	-	E200	0.41	0.93	0.98	0.77	0.59	0.79	0.70 (LM)	0.82	C
30BD Fe	open	RW553 (40D40)	50	-	-	E200	0.51	0.92	0.96	0.79	0.67	0.67	0.75 (LM)	0.84	C
30BD Fe	open	RW (25D47)	50	-	-	E200	0.46	0.85	0.97	0.83	0.76	0.67	0.80 (L)	0.85	B
30BD Fe	open	RW (2x25D47)	50	-	-	E200	0.59	0.91	1.03	0.79	0.66	0.66	0.75 (LM)	0.85	C

Report: TPD-HAG-RPT-92-0039

Panel type Linear	Joint	Lay-On pad	Module	Perforation	NW	Mounting	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	α_w	NRC	Class
84C	closed	Glassfibre 25D12	100	R1.0T2 (D1022)	√	E200	0.51	0.95	1.03	0.96	1.00	0.82	-	0.99	-
84C	closed	Glassfibre 25D12	100	R2.0T5 (D2015)	√	E200	0.64	0.99	0.98	0.91	0.92	0.73	-	0.95	-

Report: TPD-HAG-RPT-92-0038

Panel type Linear	Joint	Lay-On pad	Module	Perforation	NW	Mounting	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	α_w	NRC	Class
84C	closed	-	100	R1.0T2 (D1022)	√	E200	0.29	0.65	0.82	0.62	0.68	0.60	-	0.69	-
84C	closed	-	100	R2.0T5 (D2015)	√	E200	0.41	0.80	0.91	0.73	0.73	0.62	-	0.79	-

Report: TPD-HAG-RPT-92-0022

Panel type Linear	Joint	Lay-On pad	Module	Perforation	NW	Mounting	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	α_w	NRC	Class
84C	closed	-	100	R2.0T5 (D2015)	√	E200	0.31	0.69	0.86	0.64	0.70	0.59	-	0.72	-

Report: TPD-824.066

Panel type Linear	Joint	Lay-On pad	Module	Perforation	NW	Mounting	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	α_w	NRC	Class
84C	closed	Glassfibre 25D22	100	R1.0T2 (D1022)	√	E200	0,30	0,80	0,95	0,85	0,80	0,50	-	0.72	-

Report: TPD-HAG-RPT-93-0072

Panel type Linear	Joint	Lay-On pad	Module	Perforation	NW	Mounting	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	α_w	NRC	Class
84C	closed	-	100	R2.0T5 (D2015)	√	E200	0,31	0,76	0,89	0,72	0,71	0,63	-	0,77	-

SUSTAINABILITY

DAYLIGHTING

Hunter Douglas ceilings diffuse light for visual comfort and move daylight into a space, reducing energy used by artificial lights.

ACOUSTIC COMFORT

Noise of equipment and conversation have been shown to impact worker comfort and productivity. Hunter Douglas acoustical ceilings have noise reduction coefficients α_w up to 1.00.

ENERGY PERFORMANCE

Interior spaces designed with light colours and a minimum of 70% reflectance on the ceilings and walls can reduce artificial lighting requirements significantly, reducing energy consumption.

BUILDING PRODUCT DISCLOSURE

Hunter Douglas Ceilings uses products and materials for which life-cycle information is available and that have environmentally, economically, and socially preferable life-cycle impacts.

INDOOR AIR QUALITY

Perfect for projects where air quality is a priority, nearly all Hunter Douglas products meet low emissions standards.

RECYCLED CONTENT

Using both pre-consumer and post-consumer materials, many Hunter Douglas systems feature recycled components in steel, aluminium, and HDPE plastics.

PARTNERS & PROGRAMS

LEED

LEED is transforming the way we think about how building spaces are designed, constructed, maintained and operated. Hunter Douglas' continued research and development to create ceilings products that are more environmentally friendly contribute to the overall performance of a building, as well as to LEED certification by optimising daylighting and improving acoustical comfort and energy efficiency.

FSC® CERTIFIED (FOREST STEWARDSHIP COUNCIL)

Hunter Douglas is committed to protecting our forests for future generations. Many of our wooden ceilings are FSC certified, which employ forest friendly resource management and help to reduce environmental impact by promoting responsible consumption. Hunter Douglas' FSC Chain of Custody Certificate # is NC-COC-016324.

CRADLE TO CRADLE

Hunter Douglas adopts the cradle to cradle (C2C) product philosophy to the design of products that fit the circular paradigm. Both our metal and felt ceilings are *Cradle to Cradle*™ Bronze certified. They are designed for longevity, using materially healthy technical nutrients that can be reused at end of life as a high-quality source for something new.

Cradle to Cradle Certified™ is a certification mark licensed by the Cradle to Cradle Products Innovation Institute.

ENVIRONMENTAL PRODUCT DECLARATION (EPD)

Hunter Douglas understands the importance of transparency to sustainable design and building. From raw material extraction through final disposal or reuse, we can provide life-cycle assessments on many of our products environmental impacts.

OEKO-TEX® STANDARD 100

Hunter Douglas is committed to products that are safe to use and do not contain harmful chemicals or have a detrimental effect on health. Products that are cerified according the OEKO-TEX® Standard 100 contribute to high and effective product safety from a consumer's point of view.

TAIM

As member of TAIM we are obliged to audit our production plant to the requirements of the TAIM certification scheme. Proof of a positive conclusion is the annually issued TAIM Certificate.

HUNTER DOUGLAS

ARCHITECTURAL

For more than 60 years, we've been fortunate enough to help turn countless innovative sketches into innovative buildings. Architects, designers, investors and contractors from around the world have taken advantage of Hunter Douglas' unmatched product development, service and support. Chances are, you've seen more of Hunter Douglas than you think.

With major operation centres in Europe, North America, Latin America, Asia and Australia, we've contributed to thousands of high-profile projects, from retail and commercial facilities to major transit centres and government buildings.

▲ *CEILINGS* *SUN LOUVRES* ▼

▲ *WALLS* *FAÇADES* ▼

Not only are the world's architects and designers our partners, they're our inspiration. They continue to raise the bar for excellence. We create products that help bring their visions to life: Ceilings, Sun Louvres and Façades.

Designed to work for you

CERTIFIED cradle to cradle BRONZE

Hunter Douglas adopts the cradle to cradle (C2C) product philosophy to the design of products that fit the circular paradigm. Our products are designed for longevity, using materially healthy technical nutrients that can be reused at end of life as a high-quality source for something new.

Cradle to Cradle Certified™ is a certification mark licensed by the Cradle to Cradle Products Innovation Institute.

alu

All aluminium products are 100% recyclable at the end of their lifecycle.

FE

All Steel products are 100% recyclable at the end of their lifecycle.

HISTORY HUNTER DOUGLAS

1919 - Henry Sonnenberg founds his machine tool distribution, later manufacturing, company in Düsseldorf, Germany

1933 - Henry uses 150 railroad cars to move his entire operation to Rotterdam, The Netherlands.

1942 - Henry moves to the US and founds Douglas Machinery Corporation.

1946 - Joe Hunter joins forces with Henry and develops new technology and equipment for the continuous casting and fabrication of lightweight aluminium, leading to the production of Venetian Blinds.

1960 - Hunter Douglas expands into Europe, Australia and Latin America.

1969 - Hunter Douglas stocks are first listed on the Montreal and Amsterdam Stock Exchanges.

2007 - Two new companies join the Hunter Douglas Group - 3Form and NBK Architectural Terracotta. High design, high performance sustainable building solutions, extending Hunter Douglas' commitment to architectural products that are good for people and the planet.

2014 - BXD 3-dimensional linear ceiling is introduced.

2015 - XLnt, a super flat swing down acoustic ceiling is launched.

2016 - Hunter Douglas Architectural launches HeartFelt®, the first modular felt ceiling system ever.

2019 – The innovative Climate Ceiling PareauLux is launched, based on the collaboration of two top players in the (climate) ceiling industry.

2020 - Hunter Douglas Architectural introduces HeartFelt® Baffle ceilings, combining the innovative soft ceiling material with a bold product design.

2021 - Hunter Douglas Architectural develops and launches HeartFelt® Origami. A felt ceiling system with a unique aesthetical finish and an excellent acoustic performance.

2022 - The company Derako joins the Hunter Douglas Group, complementing the portfolio with its highly attractive solid wooden ceiling and wall systems.

2023 - HeartFelt® Groove is launched: the new modular ceiling system which features slim felt lamellas.

HunterDouglas
Architectural

ARCHITECTURAL SERVICES

We support our business partners with a wide range of technical consulting and support services for architects, developers and installers. We assist architects and developers with recommendations regarding materials, shapes and dimensions, colours and finishes.

We also help with the creation of design proposals, visualisations and installation drawings. Our services to installers range from providing detailed installation drawings and instructions to training installers and advising on the building site.

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Project : City Hall, Heerlen, The Netherlands
Product : Veneered Wood Grill Ceiling
Architect: Mecanoo

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