Designed to work for you
Commercial Ceilings & Walls
Product Guide 2020 | 2022

Guide de produits plafonds et revêtements muraux

Decken- und Wandsysteme Produktkatalog

Plafond- en wandcollectie

Guía Comercial de Techos y Paredes

Sufity i okładziny ścienne Przewodnik po produktach

Guida ai controsoffitti e rivestimenti di parete
Project: Pakhuis de Schans, Rotterdam, The Netherlands
Product: Stretch Metal Planks
DESIGNED TO WORK FOR YOU

Hunter Douglas is fluent in design. Working with architects and contractors, 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 buildings around the world.

We define success by our ability to meet unique challenges, define 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

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


Hunter Douglas is een meester in vormgeving. In samenwerking met architecten en aannemers vertalen wij esthetische specificaties naar constructieve eisen, 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.

ZAPROJEKTOWANY DO PRACY DLA CIEBIE

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 powstawania 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, zdrowe i trwałe rozwiązania sufitowe i ścianne.

DISEÑADO PARA TRABAJAR PARA TI

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.

DESIGNED TO WORK FOR YOU

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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.

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HUNTER DOUGLAS,
A WORLD OF INNOVATION

132 COMPANIES

86 ASSEMBLY OPERATIONS

47 MANUFACTURING OPERATIONS

23,500 EMPLOYEES WORLDWIDE

100 COUNTRIES

BUSINESS IS PEOPLE
At Hunter Douglas, we pride ourselves in our employees - a network of experienced, intelligent, passionate and creative men and women from over 100 countries who work together in a spirit of collaboration. Along with proven manufacturing processes and material usage, that is what keeps Hunter Douglas at the forefront of innovation and design.

NOS EMPLOYÉS,
L’ATOUT MAJEUR DANS NOTRE RÉUSSITE
Chez Hunter Douglas, nous sommes fiers de nos employés, un réseau d’hommes et de femmes expérimentés, intelligents, passionnés et créatifs dans plus de 100 pays qui travaillent ensemble, dans un esprit de collaboration. Outre des processus de fabrication et une utilisation des matériaux éprouvés, c’est ce qui permet à Hunter Douglas de rester à la pointe de l’innovation et de la conception.

UNTERNEHMEN BESTEHT AUS MENSCHEN

BUSINESS IS PEOPLE
Bij Hunter Douglas zijn wij trots op onze medewerkers, een netwerk van ervaren, intelligente, gepassioneerde en creatieve mensen uit meer dan 100 landen die intensief met elkaar samenwerken. Die medewerkers - samen met productieprocessen en materialen die hun succes hebben bewezen - zorgen ervoor dat Hunter Douglas toonaangevend is in innovatie en vormgeving.

LOS NEGOCIOS SON PERSONAS
En Hunter Douglas, nos enorgullecemos de nuestros empleados: una red de hombres y mujeres experimentados, inteligentes, apasionados y creativos de más de 100 países que trabajan juntos en un espíritu de colaboración. Junto con procesos de fabricación comprobados y uso de materiales, eso es lo que mantiene a Hunter Douglas a la vanguardia de la innovación y el diseño.

BIZNES TO LUDZIE
W Hunter Douglas jesteśmy dumni z naszych pracowników - sieci doświadczenych, inteligentnych, pełnych pasji, kreatywnych mężczyzn i kobiet z ponad 100 krajów, którzy twórczo współpracują ze sobą. Wraz ze sprawdzonymi procesami produkcyjnymi i ze zrównoważonym użyciem materiałów to właśnie sprawia, że Hunter Douglas jest liderem innowacji i wzornictwa.

LE AZIENDE SONO FATTE DALLE PERSONE
Noi di Hunter Douglas siamo orgogliosi dei nostri dipendenti, una rete di uomini e donne competenti, brillanti, appassionati e creativi provenienti da oltre 100 Paesi, che lavorano insieme con spirito di collaborazione, in realtà produttive collaudate e uso appropriato di materiali: è questo che permette ad Hunter Douglas di essere sempre all’avanguardia nell’innovazione e nel design.
SUSTAINABILITY AND CORPORATE SOCIAL RESPONSIBILITY

SOUND MATERIALS

Environmentally sound materials are key to sustainable buildings. Our strategy is to pick materials that have good environmental properties to start with. We’ve optimized our processes to use up to 99% of recycled content to produce the right alloy for our products. Our wood is FSC certified and we embrace the Cradle to Cradle principle in our product development.

CORPORATE SOCIAL RESPONSIBILITY

Keen on Green is an important company-wide initiative to reduce energy consumption, water usage and our overall carbon-footprint. We embrace the ISO 14001 framework to actively manage our Keen on Green objectives. Hunter Douglas and its employees actively support the communities in which we live and work, as well as those on a more global scale. Business is people. We pride ourselves on our worldwide network of experienced, intelligent, passionate and creative people that have consciously chosen Hunter Douglas as their employer.
GREENEST IN THE CITY

The stringent environmental considerations that HSBC has insisted upon and Hunter Douglas Architectural’s commitment to sustainability has led to HSBC’s new ring-fenced banking headquarters in Birmingham become one of the greenest in the city.

The new HSBC UK building on Broad Street is the first in Birmingham to be constructed to the Leadership in Energy and Environmental Design (LEED) Gold accreditation standard - the globally recognised symbol of sustainability achievement.

To attain the Gold LEED, the internal design was built using sustainable timber approved by the Forest Stewardship Council, which was sourced by Hunter Douglas Architectural. All the wood sourced by Hunter Douglas Architectural is FSC certified and the company is also committed to the Cradle to Cradle principle in its product development.

Hunter Douglas Architectural is committed to sustainability and responsible development through its continuous efforts to improve production processes, eliminate waste and reduce maintenance. As well as using FSC timber, it has increased the amount of recycled aluminium it uses in its ceilings, with its own produced aluminium containing 90% recycled material. All of its own production scrap is collected and re-worked into new valuable input for its melting processes.
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

Today, a significant part of Hunter Douglas’ business remains dedicated to recycled aluminium, with a recycling facility, smelter, and continuous caster in Rotterdam, Holland. From that base, the company operates fabrication and distribution facilities in over 100 countries, with installations in thousands of projects around the world.

SUSTAINABILITY

Hunter Douglas stands at the forefront of developing sustainable product concepts. We seek to simplify assembly, improve production processes, eliminate waste and reduce maintenance within our own operations, while also partnering with organizations such as C2C Products Innovation Institute, to make an impact on all phases of the building industry.
**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 (\(\alpha_W\)) or, as calculated by reference to ASTM C423 (NRC).

**SOUND ABSORPTION CLASS**
A classification for sound absorption (A - E) based upon the sound absorption \(\alpha_W\) 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**
Classification of climate class according 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.

**IMPACT SOLUTIONS**
Impact resistant ceiling available.
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
Aujourd’hui, une part importante de l’activité de Hunter Douglas reste dédiée à l’aluminium recyclé, grâce à des installations de recyclage, de fonderie et de coulée en continue à Rotterdam, aux Pays-Bas. Depuis ces locaux, la société gère des sites de fabrication et de distribution dans plus de 100 pays, avec des milliers de projets dans le monde entier.

DURABILITÉ
Hunter Douglas est un pionnier du développement de concepts durables. Notre objectif est de simplifier l’assemblage, d’améliorer les procédés de production, d’éliminer les déchets et de réduire la maintenance au sein de nos opérations, tout en nous associant avec des organisations telles que C2C Products Innovation Institute afin d’influencer toutes les phases du secteur de la construction.

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 par un tiers ou 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.

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 $\alpha_w$.

**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 lumière**
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 intégration**
Découpages d’usine personnalisées pour l’intégration d’appareils et luminaires.

**Fonction basculante**
Fonction basculante possible.

**Solutions extérieures**
Plafonds extérieurs possible.

**Résistance à l’humidité**
Conditions d’humidité relative maximales pour l’installation et la durée de vie du plafond.

**Température / RH**
Classification de la classe climatique selon la norme EN 13964 dans lequel 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.
FIRMENGRÜNDUNG


DECKENENTWICKLUNG


WELTWEITE PRÄSENZ


UMWELTVERträGLICHKEIT

Bei Hunter Douglas steht die Entwicklung nachhaltiger Produktkonzepte im Vordergrund. Wir möchten die Montage vereinfachen, Produktionsprozesse verbessern, Abfall reduzieren und den Wartungsaufwand in unseren eigenen Anlagen reduzieren, während wir gleichzeitig mit Organisationen wie dem C2C Products Innovation Institute zusammenarbeiten, um in alle Phasen der Bauabläufe involviert zu sein.

TAIM


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.

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.

FORMALDEHYDE (E1)

Formaldehyd-Emissionsniveau (E1 = niedrigstes mögliches Testergebnis).

VOC

Die VOC-Emissionsleistung entspricht den französischen Kennzeichnungsvorschriften.

RECYCELTER INHALT

Der recycelte Inhalt des Produkts, der von einem Dritten überprüft wurde oder auf durchschnittlichen Marktdaten basiert.

EPD

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

EPD

Für HeartFelt®-Produkte mit diesem Symbol ist eine EPD (Environmental Product Declaration) erhältlich.

EPD

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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 (\(\alpha_w\)) berechnet oder unter Bezugnahme auf ASTM C423 (NRC).

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

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 Außenebereich geeignet.

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

TEMPERATUR / RF
Klassifizierung der Klima/Temperaturklasse nach EN 13964 in welchem die Decke verwendet werden kann.

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.
ONZE ONTSTAANSGESCHIEDENIS
Hunter Douglas is ontstaan uit de verwerking van gerecyclede 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 PLAFOONDS

WERELDWIJD VERTEGENWOORDIGD
Gerecyclede aluminium vormt nog steeds een belangrijk deel van de activiteiten van Hunter Douglas, met een recyclinginrichting, een smelterij en een continuergietlijn in Rotterdam. Vanuit die centrale locatie beheert het bedrijf productie- en distributievestigingen in meer dan 100 landen, met installaties in duizenden projecten wereldwijd.

DUURZAAMHEID
Hunter Douglas is pionier in de ontwikkeling van duurzame productconcepten. We streven ernaar assembleage te vereenvoudigen, productieprocessen te verbeteren, afvalproductie te voorkomen en onderhoudswerkzaamheden bij onze eigen activiteiten te verminderen. Daarnaast werken we samen met organisaties als C2C Products Innovation Institute om in alle fasen van bouwprocessen het verschil te maken.
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 geluidsabsorptiecôëfficiënten voor willekeurige incidentie zoals berekend aan de hand van EN ISO 11654 ($\alpha_w$) of, zoals berekend aan de hand van ASTM C423 (NRC).

**Geluidabsorptieklasser**
Een classificatie voor geluidsabsorptie (A - E) op basis van de waarde voor geluidsabsorptie $\alpha_w$.

**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**
Classificatie van klimaatklasse volgens EN 13964 waarin 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.
NUESTRO FUNDADOR

Hunter Douglas fue 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 MUNDIAL

Hoy, una parte importante del negocio de Hunter Douglas sigue dedicada al aluminio reciclado, con una instalación de reciclaje, fundición y fundición continua en Rotterdam, Holanda. Desde esa base, la compañía opera instalaciones de fabricación y distribución en más de 100 países, con instalaciones en miles de proyectos en todo el mundo.

SOSTENIBILIDAD

Hunter Douglas está a la vanguardia del desarrollo de conceptos de productos sostenibles. Buscamos simplificar el ensamblaje, mejorar los procesos de producción, eliminar el desperdicio y reducir el mantenimiento dentro de nuestras propias operaciones, al tiempo que nos asociamos con organizaciones como el Instituto de Innovación de Productos C2C, para tener un impacto en todas las fases de la industria de la construcción.

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.

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.

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 verificado por un tercero o 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.
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 ($\alpha_w$) o, calculada con referencia a ASTM C423 (NRC).

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

RELENOS 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
Clasificación de la clase climática según 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 / cepillo suave.

Se puede limpiar con un paño seco / cepillo suave.

Se puede limpiar con un paño húmedo.
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.

ROZWOJ PRODUKCJI SUFITÓW

Opierając się na tej wyjątkowej maszynie odlewniczej i udoskonaliąc 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.

OBECNOŚĆ NA CAŁYM ŚWIECIE

Obecnie znaczna część działalności Hunter Douglas nadal jest poświęcona recyklingowi aluminium, z zakładem recyklingu, hutą i ciągłym odlewem w Rotterdame w Holandii. Z tej bazy firma prowadzi zakłady produkcyjne i dystrybucyjne w ponad 100 krajach świata i ma w portfolio instalacje produktów w tysiącach projektów na całym świecie.

ZRÓWNOWAŻONY ROZWOJ

Hunter Douglas jest liderem w opracowywaniu koncepcji zrównoważonych produktów. Staramy się uprościć montaż, usprawnić procesy produkcyjne, wyeliminować odpady i ograniczyć konservację w ramach naszych własnych operacji, a także współpracując z organizacjami takimi jak C2C Products Innovation Institute, aby wywrzeć wpływ na wszystkie fazy procesu budowlanego.

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 z standardowymi wytawnymi Cradle to Cradle Certified™ w ciągłym procesie ulepszania produktów w ramach wytawnych 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.

ISO 14001

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

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 materiałów pochodzących z recyklingu zweryfikowana przez stronę trzecią lub 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.
LEGENDA DLA SYMBOLI
OPISUJĄCYCH WŁAŚCIWOŚCI TECHNICZNE

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

**STABILNOŚĆ OGNIOWA**
Mozliwe sufity o określonej stabilności ognioowej.
(Tylko Belgia)

**PERFORACJE/WZORY**
Mozliwe wykonanie niestandardowych perforacji/wzorów.

**POCHLANIANIE DŹWIĘKU**
Współczynniki pochłaniania dźwięków o wybranych częstotliwościach wyznaczone zgodnie z EN ISO 11654 (αw) lub to ASTM C423 (NRC).

**KLASA POCHLANIANIA DŹWIĘKU**
Klasifikacja pochłaniania dźwięku - klasa A-E, oparta na współczynniku αw.

**WKŁADY AKUSTYCZNE**
Mozliwe zastosowanie niesystemowych, dodatkowych wypełnień akustycznych.

**WYMIARY**
Mozliwe niestandardowe wymiary produktu.

**KSZTAŁTY**
Mozliwe niestandardowe sztalty produktu.

**MASA**
Masa jednostkowa produktu (kg/m²).

**KOLORY**
Mozliwe 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**
Mozliwe dodatkowe niestandardowe efekty dla forniru.

**ODPORNOŚĆ NA UDERZENIA**
Dostępny sufit odporny na uderzenia.

**INTEGRACJA Z INSTALACJAMI**
Mozliwe niestandardowe fabryczne wycięcia do montażu instalacji.

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

**ZASTOSOWANIE ZEWNĘTRZNE**
Mozliwe zastosowanie zewnętrzne produktu.

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

**TEMPERATURA/RH**
Klasifikasi klasycznej według EN 13964, w której mozna zastosować sufit.

**ZASTOSOWANIE NA SUFICIE**
Mozliwe zastosowanie na sufice.

**ZASTOSOWANIE NA ŚCIANIE**
Mozliwe zastosowanie jako zabudowy ściennych.

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

**ODPOWIEDZI ONA W WYSADZENIA**
Można czyścić suchą szmatką / miękką szczotką.

**For more detailed information, visit:**
hunterdouglasarchitectural.eu
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 GLOBALE

Ancora oggi, una porzione significativa dell’attività di Hunter Douglas è dedicata all’alluminio riciclato, con un impianto di riciclaggio, una fonderia a pressofusione continua a Rotterdam, Olanda. Da qui, la società gestisce stabilimenti di produzione e distribuzione in oltre 100 Paesi, con installazioni in migliaia di progetti in tutto il mondo.

SOSTENIBILITÀ

Hunter Douglas è all’avanguardia nello sviluppo di prodotti sostenibili. Ci impegniamo a semplificare l’assemblaggio, migliorare i processi produttivi, eliminare gli scarti e ridurre la manutenzione all’interno delle nostre attività, collaborando anche con organizzazioni come il C2C Products Innovation Institute, a beneficio di tutte le fasi del settore delle costruzioni.

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 CO2, 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, verificato da una terza parte o basato su dati di mercato medi.

EPD

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

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.
REAZIONE AL FUOCO

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 ($a_w$) o ASTM C423 (NRC).

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

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’UMIDITÀ
Condizioni di umidità relativa massima per l’installazione e la durata del controsoffitto.

TEMPERATURA/RH
Classificazione della classe climatica per l’impiego del controsoffitto, in base alla normativa EN 13964.

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.
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HEARTFELT® CEILINGS

Based on our deep knowledge of ceilings and their applications, combined with expertise in textiles and production techniques we have developed new ceiling design possibilities with HeartFelt®. This new ceiling material provides outstanding acoustic performance and an aesthetic appearance which results in a warm ambiance rarely experienced before.
When Euro Sun, a major Canadian mining company, opened its first office in Romania, it selected one of Bucharest’s premium, grade A office buildings for its headquarters: the Enescu Building.

It commissioned a refurbishment of the ninth-floor office of the building, which is also home of the Norwegian Embassy and KLM. The architect AMA Design created a private lounge for VIP presentations, which included Hunter Douglas Architectural’s innovative and award-winning HeartFelt® felt ceiling.

Architect Anda Manu said: “The use of HeartFelt® had actually two purposes: a special design in the ceiling cut-outs and more importantly, for the sound absorption that it can offer. As the HVAC machines are above this floor and are very noisy, the acoustic performance required an additional use of sound-absorbing materials. Therefore, we chose the HeartFelt® ceiling system.”

“This particular ceiling system is an innovative and a quality solution for a wide range of differently shaped cut-outs in the ceiling, as well as it presents great acoustic properties. It manages to create an appealing aesthetics and it is easy to maintain.”
Project: Koedoogh, Hendrik Ido Ambacht, The Netherlands
Product: HeartFelt® Linear Ceiling
Office EOH, Prague, Czechia
Product: Heartfelt® Linear
Architect: Studio Perspektiv
HeartFelt® is an innovative, patented felt product that turns every ceiling into a visual and acoustic playground.

Project: Office, Gutersloh, Germany - Product: HeartFelt® Linear

**KEY FEATURES**

- Modular ceiling system with felt panels
- Panel dimensions
  - Boxshaped: 40 x 55 mm, 40 x 80 mm and 40 x 105 mm
  - Rounded: 40 x 64 mm
- Panel length 1000 to 6000 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

**redot award 2017**

**best of the best**
**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 = Endcaps

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 344 for acoustic performance information

**PHYSICAL DATA**

B-s1,d0  
Class B  
Varies with colour

40HL55 M50:  
$\alpha_w = 0.70$ (H)  
40HL105 M200:  
$\alpha_w = 0.40$ (H)

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

**OPTIONAL**

Colours: See page 30  
Wall application see page 276

Sports application see page 304
HEARTFELT® CEILINGS
LINEAR HEARTFELT®

COLOURS
Colours are for illustration purposes only.

SHADES OF GREY (40HL55, 40HR64, 40HL80 AND 40HL105)

<table>
<thead>
<tr>
<th>Colour</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>White</td>
<td>7593</td>
</tr>
<tr>
<td>Light Grey</td>
<td>7596</td>
</tr>
<tr>
<td>Middle Grey</td>
<td>7597</td>
</tr>
<tr>
<td>Dark Grey</td>
<td>7598</td>
</tr>
<tr>
<td>Black</td>
<td>7594</td>
</tr>
</tbody>
</table>

EARTH TONES (ONLY 40HL55)

<table>
<thead>
<tr>
<th>Colour</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Creme</td>
<td>7575</td>
</tr>
<tr>
<td>Light Brown</td>
<td>7576</td>
</tr>
<tr>
<td>Medium Brown</td>
<td>7577</td>
</tr>
<tr>
<td>Dark Brown</td>
<td>7578</td>
</tr>
<tr>
<td>Umber</td>
<td>7579</td>
</tr>
</tbody>
</table>

ACOUSTICAL RATINGS - $\alpha_W$

Panel 40HL55 and 40HR64

<table>
<thead>
<tr>
<th>Module (mm)</th>
<th>Joint (mm)</th>
<th>Openness %</th>
<th>$\alpha_W$</th>
</tr>
</thead>
<tbody>
<tr>
<td>M50</td>
<td>10</td>
<td>20%</td>
<td>0.70 (H)</td>
</tr>
<tr>
<td>M60</td>
<td>20</td>
<td>33%</td>
<td>0.65 (H)</td>
</tr>
<tr>
<td>M70</td>
<td>30</td>
<td>43%</td>
<td>0.60 (H)</td>
</tr>
<tr>
<td>M80</td>
<td>40</td>
<td>50%</td>
<td>0.50 (H)</td>
</tr>
<tr>
<td>M90</td>
<td>50</td>
<td>55%</td>
<td>0.45 (H)</td>
</tr>
<tr>
<td>M100</td>
<td>60</td>
<td>60%</td>
<td>0.45 (H)</td>
</tr>
</tbody>
</table>

Panel 40HL55 (with Akotherm acoustical Lay-On pad)

<table>
<thead>
<tr>
<th>Module (mm)</th>
<th>Joint</th>
<th>Lay-On pad</th>
<th>$\alpha_W$</th>
</tr>
</thead>
<tbody>
<tr>
<td>M80</td>
<td>open</td>
<td>Akotherm 40 mm D20</td>
<td>0.85</td>
</tr>
<tr>
<td>M80</td>
<td>open</td>
<td>Akotherm 40 mm D40</td>
<td>0.90</td>
</tr>
<tr>
<td>M80</td>
<td>open</td>
<td>Akotherm 25 mm D20</td>
<td>0.70</td>
</tr>
<tr>
<td>M80</td>
<td>open</td>
<td>Akotherm 20 mm D40</td>
<td>0.75 (H)</td>
</tr>
<tr>
<td>M60</td>
<td>open</td>
<td>Akotherm 40 mm D40</td>
<td>0.95</td>
</tr>
<tr>
<td>M100</td>
<td>open</td>
<td>Akotherm 40 mm D40</td>
<td>0.85 (H)</td>
</tr>
</tbody>
</table>

Report: Peutz A 3211-1E-RA-001

Panel 40HL80

<table>
<thead>
<tr>
<th>Module (mm)</th>
<th>Joint (mm)</th>
<th>Openness %</th>
<th>$\alpha_W$</th>
</tr>
</thead>
<tbody>
<tr>
<td>M80</td>
<td>40</td>
<td>50%</td>
<td>0.50 (H)</td>
</tr>
<tr>
<td>M90</td>
<td>50</td>
<td>55%</td>
<td>0.47 (H)</td>
</tr>
<tr>
<td>M100</td>
<td>60</td>
<td>60%</td>
<td>0.45 (H)</td>
</tr>
<tr>
<td>M150</td>
<td>110</td>
<td>73%</td>
<td>0.40 (H)</td>
</tr>
</tbody>
</table>

Panel 40HL105

<table>
<thead>
<tr>
<th>Module (mm)</th>
<th>Joint (mm)</th>
<th>Openness %</th>
<th>$\alpha_W$</th>
</tr>
</thead>
<tbody>
<tr>
<td>M100</td>
<td>60</td>
<td>60%</td>
<td>0.50 (H)</td>
</tr>
<tr>
<td>M110</td>
<td>70</td>
<td>64%</td>
<td>0.48 (H)</td>
</tr>
<tr>
<td>M120</td>
<td>80</td>
<td>67%</td>
<td>0.47 (H)</td>
</tr>
<tr>
<td>M150</td>
<td>110</td>
<td>73%</td>
<td>0.42 (H)</td>
</tr>
<tr>
<td>M200</td>
<td>160</td>
<td>80%</td>
<td>0.38 (H)</td>
</tr>
</tbody>
</table>
HEARTFELT® - LINEAR CEILINGS

HeartFelt® baffles, the bold but soft ceiling statement, a flexible acoustical solution.


**KEY FEATURES**

- Profile lengths 200 mm to 2000 mm
- Standard dimensions 40 x 200 mm, 50 x 250 mm and 80 x 400 mm
- Other dimensions: on request
- Standard FE carrier 25 x 24 mm, black
- On site waste reduction with factory fabricated dimensional material
- Interior applications
- Easy plenum access

**reddot** winner 2020
TYPICAL ISOMETRICS

1 = Baffle
2 = End cap
3 = Baffle (closed)*
4 = Baffle (Open)
5 = Mounting profile
6 = Mounting clip
7 = Carrier
8 = Stabilisation bracket
9 = Stabilisation profile
10 = Quick hanger
11 = Wire hanger

* Length restrictions

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 345 for acoustic performance information

PHYSICAL DATA

B-s1,d0
EN 13501-1

Class B
EN 13964

Variates with colour

Class
50HB250 M250:
$\alpha_w = 0.50$ (H)
50HB250 M500:
$\alpha_w = 0.45$ (H)

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

OPTIONAL

Colours:
See page 34
COLOURS

Colours are for illustration purposes only.

SHADES OF GREY (40HB200, 50HB250, 80HB400)

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

ACOUSTICAL RATINGS - $\alpha_w$

Baffle option 1 - Sound absorption baffle ceiling ($\alpha_w$)

<table>
<thead>
<tr>
<th>Baffle type</th>
<th>Module</th>
<th>Mounting</th>
<th>$\alpha_w$</th>
<th>SAA/ NRC</th>
<th>Class</th>
</tr>
</thead>
<tbody>
<tr>
<td>50HB250</td>
<td>M250</td>
<td>Type A</td>
<td>0.50 (H)</td>
<td>0.60</td>
<td>D</td>
</tr>
<tr>
<td>50HB250</td>
<td>M500</td>
<td>Type A</td>
<td>0.45 (H)</td>
<td>0.49</td>
<td>D</td>
</tr>
</tbody>
</table>

Baffle option 2

Equivalent sound absorption per element ($m^2 O.W.$)

The table Below shows the test results for Baffle panels:
- Length 1800 mm.
- Mounting type A

<table>
<thead>
<tr>
<th>Baffle type</th>
<th>Module</th>
<th>125 Hz</th>
<th>250 Hz</th>
<th>500 Hz</th>
<th>1000 Hz</th>
<th>2000 Hz</th>
<th>4000 Hz</th>
</tr>
</thead>
<tbody>
<tr>
<td>40HB200</td>
<td>random</td>
<td>0.11</td>
<td>0.35</td>
<td>0.59</td>
<td>0.60</td>
<td>0.76</td>
<td>0.81</td>
</tr>
<tr>
<td>50HB250</td>
<td>random</td>
<td>0.16</td>
<td>0.50</td>
<td>0.67</td>
<td>0.76</td>
<td>0.92</td>
<td>0.97</td>
</tr>
<tr>
<td>80HB400</td>
<td>random</td>
<td>0.41</td>
<td>0.79</td>
<td>0.90</td>
<td>1.19</td>
<td>1.31</td>
<td>1.43</td>
</tr>
<tr>
<td>50HB250</td>
<td>250</td>
<td>0.09</td>
<td>0.25</td>
<td>0.27</td>
<td>0.36</td>
<td>0.49</td>
<td>0.52</td>
</tr>
<tr>
<td>50HB250</td>
<td>500</td>
<td>0.16</td>
<td>0.38</td>
<td>0.44</td>
<td>0.54</td>
<td>0.73</td>
<td>0.76</td>
</tr>
</tbody>
</table>

Note: 50HB250 baffle, width = 50 mm and height = 250 mm
Project: Stokerplaats, Antwerp, Belgium - Product: HeartFelt® Linear
Project: Brewery Ganzenhof, Schelle, Belgium - Product: HeartFelt® Linear
Project: Chirec LOT 23, Brussel, Belgium
Architect: Assar Architects
Product: Solid Wood Grill
WOOD SOLUTIONS

The Wood Solutions for ceilings and walls provides you a wide selection of natural looks, that are as durable as they are distinctive. Whether choosing our solid wood panels, wood veneered solutions or natural looking woodprints, all will bring a natural feel to any project.
“AN EYE-CATCHING ENTRANCE WITH SUPERIOR ABSORPTION QUALITIES”

Hunter Douglas Architectural created an eye-catching entrance for the flagship campus of Amity University in Dubai, comprising a wood panel wall and ceiling system that spreads across the atrium.

Interior design specialists IR Design specified the new range of wooden ceiling and wall system because it enabled them to create a seamless look.

The system has nano-perforations that contain countless microscopic perforations - hardly visible to the naked eye and providing superior absorption qualities. Another design detail was the direction of the wood grain and veneer on each panel of the 1800 m² of cherry veneer that had to match perfectly. This required each 1200 x 600 mm panel to be numbered so that it could be installed in the correct position and place.

The microscopic nano-perforated panels have an acoustic value up to $\alpha_w: 0.95$ compared to standard perforations, which achieve about $\alpha_w: 0.75$. 

Project: University Of Greenwich Student Hub, Greenwich, United Kingdom
Architect: Dannatt Johnson Architects
Product: Solid Wood Linear
Project: Cluj Arena, Cluj-Napoca, Romania
Architect: Dico si Tiganas
Product: Veneered Wood Linear Ceiling and Wall Panels
The Solid Wood Linear System combines the benefits of its natural aesthetics, flexibility, beauty and acoustic properties. It is designed to enhance the interior design of spaces with its wide range of features.

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

### KEY FEATURES

- **Interior applications**
- **Three ceiling solutions:** Linear Open, Multi-panel & 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 multi-panel 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**
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

$\alpha_{w}$ 0.30 - 0.50

5.0 - 12.0 kg/m²

Colours:
See page 48

Moist cloth

Exterior solutions:
See page 232

Wall solutions:
See page 280
WOOD SOLUTIONS

SOLID WOOD GRILL

Create your own ceiling design by choosing the ideal panel size, gap and wood specie.

Project: Chirec LOT 23, Brussel, Belgium - Product: Solid Wood Grill system - Architect: Assar 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 per wood specie.
- The slat height can be between 35 mm and 140 mm, depending per 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
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
αw = 0.30 - 0.50
6.0 - 15.0 kg/m²
Moist cloth

OPTIONAL

Belgium only
Colours:
Exterior solutions:
Wall solutions:
See page 234
See page 48
See page 282
WOOD SPECIES AND FINISHES

An extensive range of wood species is available, ranging from deep warm colours to the light wood tones. Other types of wood possibilities can be looked at on request. Standard, the wood is finishes 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 is determined that is necessary 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
The Linear Individual ceilings allows for mounting long panels up to 3000 mm and minimizes the visibility panel joints.

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

**KEY FEATURES**
- Interior applications
- MDF core finished with wood veneer
- Multi-panel layouts possible, combining different widths
- Fire retardant and moisture resistant solutions
- Acoustic fleece to fill gaps
- 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
- Minimal joints between the panel connections
- Panel length: 1500 / 1950 / 2400 / 2700 / 3000 mm
- Panel width: 65 / 90 / 120 / 150 / 200 / 230 mm
- Joint width: 5 / 10 / 15 / 20 / 30 mm
- Panel thickness: 17 mm
- Other sizes and dimensions are available upon request
TYPICAL ISOMETRICS

1 = Linear Panel W=65 mm
2 = Linear Panel W=90 mm
3 = Linear Panel W=120 mm
4 = Linear Panel W=150 mm
5 = Linear Panel W=200 mm
6 = Acoustic fleece
7 = Turn clip
8 = Main runner
9 = Cross runner
10 = Cross-lock bracket
11 = Quick hanger

TYPICAL SECTIONS

Section A-A'

Section B-B'

PHYSICAL DATA

B-s2,d0 according to EN 13501-1
Up to $\alpha_w = 0.50$
Acoustic cloth: Back
10.0 - 15.0 kg/m²

Moist cloth

OPTIMAL

Colours:
See page 54

Wall solutions:
See page 286
WOOD SOLUTIONS

VENEERED WOOD

LINEAR CASSETTE

The Linear Cassette system makes installation, as well as demounting, as easy as installing a lay on ceiling tile.

Project: Zinn, Groningen, The Netherlands - Product: Veneered Wood Linear cassette, Essen, clear lacquer - Architect: Team 4 architecten

KEY FEATURES

- Interior applications
- MDF core finished with wood veneer
- Multi-panel layouts possible, combining different widths
- Fire retardant and moisture resistant solutions
- Acoustic fleece to fill gaps
- Staining possibilities
- Available as wall solution
- Variety of organic or engineered wood veneers, FSC or PEFC certified
- Easy installation and demounting
- Cassette dimensions: 600 x 600 mm / 1200 x 600 mm
- Panel width: 65 / 90 / 120 / 150 / 200 / 230 mm
- Joint width: depends on panel width
- Panel thickness: 17 mm
- Other sizes and dimensions are available upon request

FSC

Promoting sustainable forest management www.pefc.org

The mark is responsible forestry
TYPICAL ISOMETRICS

1 = Linear Cassette
2 = Main runner
3 = Cross runner
4 = Cross-lock bracket
5 = Quick hanger

TYPICAL SECTIONS

1 2 3 4 5

PHYSICAL DATA

Moist cloth
B-s2,d0 According to EN 13501-1
Up to $\alpha_{w}$ 0.50
See page 346
Acoustic cloth:
Back
10.0 - 15.0 kg/m²

OPTIONAL

Colours:
See page 54

Wall solutions:
See page 286
WOOD SOLUTIONS
VEENEERED WOOD
LINEAR

WOOD SPECIES
Hunter Douglas offers a wide choice of wood species and finishes. As wood is a 100% 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 veneer type shows all the characteristics and intrinsic patterns of the tree, caused by the natural influences during its lifetime, making each veneer unique.

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

Engineered veneers
Engineered Veneer is a type of veneer that is known for their 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 world’s 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: KPMG Head Office, Amsterdam, The Netherlands - Product: Veneered Wood Linear, Bamboo - Architect: Marcel van der Schaik
Veneered Wood Grill Elements allow you to create large sized grills for an impressive and perfectly straight, open ceiling.

Project: Wrocławia shopping mall, 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 wall solution
- Variety of organic or engineered wood veneers, FSC or PEFC certified

- Easy installation and demounting in standard T 24 grid
- Element length: 1200 / 1500 / 1950 / 2400 / 2700 mm
- Element width: varies between 300 to 500 mm
- Slat width: 17 / 25 / 31 / 39 mm
- Slat height: 55 / 62 / 81 / 104 / 143 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
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

Moist cloth

B-s2,d0 According to EN 13501-1

Up to $\alpha_{eq} 0.50$

See page 346

Acoustic cloth: Black

10.0 - 15.0 kg/m²

B-s2,d0 According to EN 13501-1

Up to $\alpha_{eq} 0.50$

See page 346

Acoustic cloth: Black

10.0 - 15.0 kg/m²

OPTIONAL

Colours: See page 60

Wall solutions: See page 288
WOOD SOLUTIONS

VENEERED WOOD

GRILL CASSETTE

Veneered Wood Grill cassettes are very easy to install and to demount. Ideal for areas with regular maintenance works.


KEY FEATURES

- Interior applications
- Pre-assembled grill cassettes in modular ceiling sizes
- 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 due to standard sizes
- Slats are connected with a wooden backer
- Element sizes: 600 x 600 mm / 1200 x 600 mm
- Slat width: 17 mm
- Slat height: 55/62/81/104 mm
- Slat gaps: varies
- Other sizes and dimensions are available upon request
- Note: Grill dimensions may be restricted due to weight

The mark is responsible forestry
Promoting sustainable forest management www.pefc.org

EN 13964
E1
A+
**TYPICAL ISOMETRICS**

1 = Grill cassette  
2 = Main runner  
3 = Cross runner  
4 = Cross-lock bracket  
5 = Nonius hanger for T-profile

**TYPICAL SECTIONS**

Section A-A'

Section B-B'

**PHYSICAL DATA**

- **MDF : B-s2,d0**
  - Up to $\alpha_{uv} 0.50$
  - See page 346

- **Acoustic cloth:** Black  
  - 12.0 - 20.0 kg/m²

- **Moist cloth**

- **OPTIONAL**
  - **Colours:** See page 60
  - **Wall solutions:** See page 288
WOOD SOLUTIONS

WOOD SPECIES

Hunter Douglas offers a wide choice of wood species and finishes. As wood is a 100% 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 veneer types 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 also offers a selection of other finishes.

Engineered veneers

Engineered Veneer is a type of veneer that is known for their 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: Galeria Północna, Warsaw, Poland - Product: Veneered Wood Grill Element - Architect: APA Wojciechowski
The Classic ceiling tile has a standard lay in edge detail which exposes the main runners.

**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
## Typical Isometrics

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

## Typical Sections

![Typical Sections Diagram]

## Perforation Patterns

Standard patterns shown. See page 343 to see all perforation patterns.  
Scale 1:1 shown, unless otherwise noted. See page 345-346 for acoustic information.

<table>
<thead>
<tr>
<th>Pattern</th>
<th>Openness</th>
<th>Scale 1:20</th>
</tr>
</thead>
<tbody>
<tr>
<td>R7015 (Ø 7 \text{ mm} )</td>
<td>15%</td>
<td>![Image]</td>
</tr>
<tr>
<td>D10008 (Ø 10 \text{ mm} )</td>
<td>8%</td>
<td>![Image]</td>
</tr>
<tr>
<td>R1503A (Ø 1.5 \text{ mm} )</td>
<td>3%</td>
<td>![Image]</td>
</tr>
<tr>
<td>R5008B (Ø 5 \text{ mm} )</td>
<td>8%</td>
<td>![Image]</td>
</tr>
<tr>
<td>D5005A (Ø 0.5 \text{ mm} )</td>
<td>23.9%</td>
<td>![Image]</td>
</tr>
<tr>
<td>R9711S (WxH 97/8 \text{ mm} )</td>
<td>11%</td>
<td>![Image]</td>
</tr>
<tr>
<td>D9711S (WxH 97/8 \text{ mm} )</td>
<td>11%</td>
<td>![Image]</td>
</tr>
</tbody>
</table>

## Physical Data

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

- Up to \(\alpha_w \leq 0.95\)  
- 10.0 - 15.0 kg/m²

## Optional

Colours: See page 72  
Wall solutions: See page 290
WOOD SOLUTIONS

VENERED WOOD

TILES CLASSIC PLUS

The Classic Plus ceiling tile has a standard lay in edgebanded detail which exposes the main runners.


KEY FEATURES

- Interior applications
- Lay in acoustic ceiling tile
- Wood edge banded finish
- MDF core finished with wood veneer
- Various perforations with different acoustic performances and designs
- Fire retardant and moisture resistant solutions
- 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

The mark is for sustainable forest management. www.pefc.org

The mark is for promoting responsible forestry.
TYPICAL ISOMETRICS

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

PERFORATION PATTERNS

Standard patterns shown. See page 343 to see all perforation patterns. Scale 1:1 shown, unless otherwise noted. See page 345-346 for acoustic information.

Physical Data

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

Up to $\alpha_v$ 0.95
10.0 - 15.0 kg/m²

OPTIONAL

Colours: See page 72
Wall solutions: See page 290
WOOD SOLUTIONS

VENEERED WOOD

TILES MODERN

The Modern ceiling tile has a semi-exposed edge detail which will partly hide the main runners.

Project: Smart Campus, Heerlen, the Netherlands - Product: Veneered Wood Ceiling - Architect: Van Eijk and 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

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Promoting sustainable forest management www.pefc.org
VENEERED WOOD

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

TYPICAL SECTIONS

PERFORATION PATTERNS
Standard patterns shown. See page 343 to see all perforation patterns.
Scale 1:1 shown, unless otherwise noted. See page 345-346 for acoustic information.

<table>
<thead>
<tr>
<th>Pattern Code</th>
<th>Diameter</th>
<th>Width x Height</th>
<th>Regular/Standard/Irregular</th>
<th>Openness</th>
</tr>
</thead>
<tbody>
<tr>
<td>R7015</td>
<td>Ø 7 mm</td>
<td></td>
<td>Single Round</td>
<td>15%</td>
</tr>
<tr>
<td>D10008</td>
<td>Ø 10 mm</td>
<td></td>
<td>Single Round</td>
<td>8%</td>
</tr>
<tr>
<td>R1503A</td>
<td>Ø 1.5 mm</td>
<td></td>
<td>Double Round</td>
<td>8%</td>
</tr>
<tr>
<td>R5008B</td>
<td>Ø 5 mm</td>
<td></td>
<td>Double Round</td>
<td>8%</td>
</tr>
<tr>
<td>D5005A</td>
<td>Ø 0.5 mm</td>
<td></td>
<td>Nano Perfo</td>
<td>23.9%</td>
</tr>
<tr>
<td>R9711S</td>
<td>WxH 97/8</td>
<td></td>
<td>Slotted perfo</td>
<td>11%</td>
</tr>
<tr>
<td>D9711S</td>
<td>WxH 97/8</td>
<td></td>
<td>Slotted perfo</td>
<td>11%</td>
</tr>
</tbody>
</table>

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

Moist cloth

UP TO 0.95

10.0 - 15.0 kg/m²

OPTIONAL
Colours: See page 72
Wall solutions: See page 290
WOOD SOLUTIONS

WOOD SOLUTIONS

VENEERED WOOD

TILES PRESTIGE

The Prestige ceiling tile has a concealed edge detail which will give the look of a closed ceiling.


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 T 24 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

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EN 13908

A+
**TYPICAL ISOMETRICS**

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

**PERFORATION PATTERNS**

Standard patterns shown. See page 343 to see all perforation patterns. Scale 1:1 shown, unless otherwise noted. See page 345-346 for acoustic information.

<table>
<thead>
<tr>
<th>Pattern</th>
<th>Diameter</th>
<th>Openness</th>
</tr>
</thead>
<tbody>
<tr>
<td>R7015Ø 7 mm</td>
<td>Ø 16</td>
<td>15%</td>
</tr>
<tr>
<td>D1008Ø 10 mm</td>
<td>Ø 32</td>
<td>8%</td>
</tr>
<tr>
<td>R1503AØ 1.5 mm</td>
<td>Ø 8</td>
<td>3%</td>
</tr>
<tr>
<td>R6008BØ 5 mm</td>
<td>Ø 16</td>
<td>8%</td>
</tr>
<tr>
<td>D0505AØ 0.5 mm</td>
<td>Ø 1.9</td>
<td>23.9%</td>
</tr>
<tr>
<td>R9711SØ 97/8 mm</td>
<td>Ø 48</td>
<td>11%</td>
</tr>
<tr>
<td>D9711SØ 97/8 mm</td>
<td>Ø 48</td>
<td>11%</td>
</tr>
</tbody>
</table>

**PHYSICAL DATA**

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

Up to $\alpha_w$ 0.95  
10.0 - 15.0 kg/m²

**OPTIONAL**

Colours: See page 72  
Wall solutions: See page 290
WOOD SOLUTIONS

VENEERED WOOD TILES SYSTEM

The System ceiling tile has a semi-exposed edge detail, mounted with secured fixation springs.


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 T 24 grid
- Semi-exposed 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

The mark is responsible forestry www.pefc.org

Promoting sustainable forest management www.pefc.org

EN 13968

ET
A+
TYPICAL ISOMETRICS
1 = System Ceiling Tile
2 = Main runner
3 = Cross runner
4 = Quick hanger

TYPICAL SECTIONS

PERFORATION PATTERNS
Standard patterns shown. See page 343 to see all perforation patterns.
Scale 1:1 shown, unless otherwise noted. See page 345-346 for acoustic information.

PHYSICAL DATA
Plain : B-s1,d0
Perf : B-s2,d0
Moist cloth

OPTIONAL
Colours:
See page 72
Wall solutions:
See page 290
WOOD SPECIES
Hunter Douglas offers a wide choice of wood species and finishes. As wood is a 100% 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 veneer type shows all the characteristics and intrinsic patterns of the tree, caused by the natural influences during its lifetime, making each veneer unique.

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

Engineered veneers
Engineered Veneer is a type of veneer that is known for their 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 world’s 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.
Topline is the ideal solution to accommodate the acoustic requirements in three different ways: sound absorption, deflection or diffusion.

Project: Southbank Centre, London, United Kingdom - Product: Veneered wood Topline - Architect: Kohn Pedersen Fox

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

- Easy installation and demounting in standard T 24 grid
- Tongue and groove connection to create uniform appearance
- Various perforation designs and acoustical performance
- Panel length: 2400 / 2700 mm
- Panel width: 128 / 256 mm
- Panel thickness: 17 mm
- Other sizes and dimensions are available upon request
TYPICAL ISOMETRICS
1 = Topline panel
2 = Main runner
3 = Turn clip
4 = Quickhanger

TYPICAL SECTIONS

PERFORATION PATTERNS
Standard grooves shown. See page 343 to see all groove patterns.
Scale 1:1 shown, unless otherwise noted. See page 346 for acoustic information.

VIEW SIDES (Scale 1:5)

PHYSICAL DATA

B-s2,d0 According to EN 13501-1
Moist cloth

OPTIONAL

Wall solutions:
See page 292
WOOD SPECIES
Hunter Douglas offers a wide choice of wood species and finishes. As wood is a 100% 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 veneer type shows all the characteristics and intrinsic patterns of the tree, caused by the natural influences during its lifetime, making each veneer unique.

![Birch](image1) ![Spruce](image2) ![Unsteamed Beech](image3) ![Steamed Beech](image4) ![Sycamore](image5) ![Cherry](image6)

![Ash](image7) ![Basswood](image8) ![Hemlock](image9) ![Maple](image10) ![Gaboon](image11) ![Zebrano](image12)

![Bamboo Natural](image13) ![Pine](image14) ![Oak](image15) ![Pear](image16) ![Walnut](image17) ![Chestnut](image18)

![Yellow Poplar](image19) ![Ayous](image20) ![Red Oak](image21) ![Bamboo Caramel](image22) ![Teak](image23) ![Sapeli Mahogany](image24)

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

Engineered veneers
Engineered Veneer is a type of veneer that is known for their 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 world's 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.
VENEERED WOOD

WOOD SOLUTIONS

Project: Credit Agricole, France - Product: Topline TLS 14/2, custom colour - Architect: Nacéra Rahal
Create a wooden look and a natural ambience with the Metal Woodprints.

**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 transfer prints solutions
- Acoustic solutions available
- Also available for exterior applications
- Compatible with industry standard lighting, HVAC, speaker, fire safety, and security services

WOODPRINT APPLICATIONS

Woodprint finishes are available as standard for the following HunterDouglas® Metal Ceilings:

- Planks (see page 88 - 115)
- Tiles (see page 116 - 123)
- Baffles (see page 152 - 163)
- Cell (see page 166 - 173)
- Linear (see page 174 - 193)
- Curved (see page 194 - 205)
WOOD SOLUTIONS

COLOURS AND FINISHES
Hunter Douglas offers a wide choice of colours, wood prints and finishes, with different printing techniques. See our website for the most up to date information. The images are for illustration purposes only.

WOOD TONES (LINEAR CEILINGS)

<table>
<thead>
<tr>
<th>Colour</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cedar</td>
<td>8476</td>
</tr>
<tr>
<td>Pine</td>
<td>8474</td>
</tr>
<tr>
<td>Oak</td>
<td>8494</td>
</tr>
<tr>
<td>Birch</td>
<td>8492</td>
</tr>
<tr>
<td>Palisander</td>
<td>8472</td>
</tr>
</tbody>
</table>

ALUMINUM SUBLIMATED WOOD-LOOK
Sublimated: imprint wood patterns after powder coating. This finish is recommended for interior and exterior conditions.

<table>
<thead>
<tr>
<th>Colour</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Walnut</td>
<td>8424</td>
</tr>
<tr>
<td>Amber Bamboo</td>
<td>8435</td>
</tr>
<tr>
<td>African Wenge</td>
<td>8444</td>
</tr>
<tr>
<td>Golden Douglas</td>
<td>8436</td>
</tr>
<tr>
<td>American Oak</td>
<td>8439</td>
</tr>
<tr>
<td>Swamp Cypress</td>
<td>8444</td>
</tr>
<tr>
<td>Clipper Teak</td>
<td>8446</td>
</tr>
<tr>
<td>Whitewash</td>
<td>8496</td>
</tr>
</tbody>
</table>

STEEL LAMINATED WOOD-LOOK
Precoated steel with a wood-look PVC film for internal purposes only.

<table>
<thead>
<tr>
<th>Colour</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Amarant</td>
<td>8941</td>
</tr>
<tr>
<td>Mahogany</td>
<td>8940</td>
</tr>
<tr>
<td>Cherry</td>
<td>8922</td>
</tr>
<tr>
<td>Ash</td>
<td>8933</td>
</tr>
<tr>
<td>Massaran</td>
<td>8950</td>
</tr>
<tr>
<td>Ipé</td>
<td>8949</td>
</tr>
<tr>
<td>Walnut</td>
<td>8927</td>
</tr>
<tr>
<td>Wenge</td>
<td>8943</td>
</tr>
<tr>
<td>Oak</td>
<td>8920</td>
</tr>
<tr>
<td>White Walnut</td>
<td>8934</td>
</tr>
<tr>
<td>Zebrano</td>
<td>8938</td>
</tr>
<tr>
<td>Meranti</td>
<td>8936</td>
</tr>
<tr>
<td>Teak</td>
<td>8923</td>
</tr>
<tr>
<td>European Walnut</td>
<td>8937</td>
</tr>
<tr>
<td>Cedar</td>
<td>8935</td>
</tr>
<tr>
<td>Vintage Oak</td>
<td>8932</td>
</tr>
<tr>
<td>Maple</td>
<td>8921</td>
</tr>
<tr>
<td>Whitewash</td>
<td>8924</td>
</tr>
<tr>
<td>White</td>
<td>8951</td>
</tr>
<tr>
<td>Grey Oak</td>
<td>8948</td>
</tr>
<tr>
<td>Grey Cedar</td>
<td>8931</td>
</tr>
<tr>
<td>Dock Yard</td>
<td>8945</td>
</tr>
<tr>
<td>Grey Walnut</td>
<td>8946</td>
</tr>
<tr>
<td>Dark Ash</td>
<td>8947</td>
</tr>
</tbody>
</table>

STEEL COIL COATED WOOD-LOOK
Prepainted steel with printed wood-look coating.

<table>
<thead>
<tr>
<th>Colour</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dark Oak</td>
<td>8404</td>
</tr>
<tr>
<td>Golden Oak</td>
<td>8405</td>
</tr>
<tr>
<td>Winchester</td>
<td>8408</td>
</tr>
<tr>
<td>Wenge</td>
<td>8409</td>
</tr>
</tbody>
</table>
Project: Zayed Sports City, Abu Dhabi, United Arab Emirates
Architect: Sparch
Product: Linear Multipanel 80B Metal Woodprint
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 Maas Tower, the tallest building in the Benelux region, 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.
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 Hunter Douglas Architectural 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: Hogeschool Utrecht, The Netherlands
Product: Multipanel
METAL CEILINGS

Project: Fieramilano, Milan, Italy
Product: Planks Alpha

- PLANKS 88
- TILES 116
- STRETCH METAL 124
- WIDE PANEL 142
- BAFFLES 152
- CELL 166
- LINEAR 174
- CURVED 194
- PROJECT SOLUTIONS 207
Alpha Bandraster is specifically conceived and designed to deliver infinite possibilities in terms of style and combinations.

Project: Airport Genova, Genova, Italy - Product: Planks Alpha Bandraster

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 342 for all perforation patterns.  
Scale shown: 1:1, unless otherwise noted. See page 347 for acoustic information.

**PHYSICAL DATA**

Class A1  
acc. EN 13501-1  

Belgium only  

$\alpha_{W} = 0.55-0.90$

Colours:  
See page 94  

Varies with finish  
RAL9010: $L_s = 0.81$

Alu  
Plain: Class C  
Perf+NW: Class B  

Al: 4.9 kg/m²  
Fe: 7.8 kg/m²
Alpha Bandraster swing down metal ceiling systems swing down laterally and offer simple and customisable ceiling solutions.

**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
- Swing down 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 = Alpha SD plank
2 = Bandraster
3 = Bracket
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 342 for all perforation patterns.
Scale shown: 1:1, unless otherwise noted. See page 347 for acoustic information.

PHYSICAL DATA
Class A1
acc. EN 13501-1

α_W = 0.55-0.90

Colours:
See page 94
Varies with finish
RAL9010: Lr = 0.81

Al:
Plain: Class C
Perf+NW: Class B

Plain

Al: 4.9 kg/m²
Fe: 78 kg/m²
Alpha Bandraster Torsion Spring allows ceiling panels to swing down in any direction from the ceiling plane.

**KEY FEATURES**

- Panel sizes*:
  - Width: from 100 to 600 mm
  - Length: from 100 to 2400 mm
- Torsion-Spring feature allows point-access and 100% access to plenum
- 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
- Compatible with industry standard lighting, HVAC, speaker, fire safety, and security services

*For large dimensions contact our sales unit
### Typical Isometrics

1 = Alpha TS plank  
2 = Bandraster  
3 = Bracket  
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

![Diagram of typical sections](image)

### Perforation Patterns

Standard patterns shown. See page 342 for all perforation patterns.  
Scale shown: 1:1, unless otherwise noted. See page 347 for acoustic information.

<table>
<thead>
<tr>
<th>Pattern</th>
<th>Diameter</th>
<th>Openness</th>
<th>Class</th>
</tr>
</thead>
<tbody>
<tr>
<td>D1522</td>
<td>Ø 1.5 mm</td>
<td>22%</td>
<td>Class B</td>
</tr>
<tr>
<td>D2022</td>
<td>Ø 2 mm</td>
<td>22%</td>
<td>Class B</td>
</tr>
<tr>
<td>R1511</td>
<td>Ø 1.5 mm</td>
<td>11%</td>
<td>Class A</td>
</tr>
<tr>
<td>R2011</td>
<td>Ø 2 mm</td>
<td>11%</td>
<td>Class A</td>
</tr>
<tr>
<td>R2516</td>
<td>Ø 2.5 mm</td>
<td>16%</td>
<td>Class A</td>
</tr>
</tbody>
</table>

### Physical Data

- **Class A1 acc. EN 13501-1**
- **\( \alpha_{W} = 0.55 - 0.90 \)**
- **Varies with finish**
  - RAL 9010: **LR = 0.81**
  - **Colours:** See page 94
  - **Alu**
  - **Plain:** Class C  
  - **Perf+NW:** Class B
- **Kg**
  - **Al:** 4.9 kg/m²  
  - **Fe:** 7.8 kg/m²

- **Varies with finish**
  - **Colours:** See page 94
# COLOURS AND FINISHES

Hunter Douglas 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

<table>
<thead>
<tr>
<th>Colour</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Signal White</td>
<td>RAL 9003</td>
</tr>
<tr>
<td>Traffic White</td>
<td>RAL 9016</td>
</tr>
<tr>
<td>Pure White</td>
<td>RAL 9010</td>
</tr>
<tr>
<td>White Aluminium</td>
<td>RAL 9006</td>
</tr>
<tr>
<td>Jet Black</td>
<td></td>
</tr>
</tbody>
</table>

## CUSTOM COLOURS

- On Request

## ALUMINIUM SUBLIMATED WOOD-LOOK

Sublimated: imprint wood patterns after powder coating. This finish is recommended for interior and exterior conditions.

<table>
<thead>
<tr>
<th>Colour</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Walnut</td>
<td>8424</td>
</tr>
<tr>
<td>Amber Bamboo</td>
<td>8435</td>
</tr>
<tr>
<td>African Wenge</td>
<td>8444</td>
</tr>
<tr>
<td>Golden Douglas</td>
<td>8436</td>
</tr>
<tr>
<td>American Oak</td>
<td>8439</td>
</tr>
<tr>
<td>Swamp Cypress</td>
<td>8444</td>
</tr>
<tr>
<td>Clipper Teak</td>
<td>8446</td>
</tr>
<tr>
<td>Whitewash</td>
<td>8496</td>
</tr>
</tbody>
</table>

## STEEL LAMINATED WOOD-LOOK

Precoated steel with a wood-look PVC film for internal purposes only.

<table>
<thead>
<tr>
<th>Colour</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Amarant</td>
<td>8941</td>
</tr>
<tr>
<td>Mahogany</td>
<td>8940</td>
</tr>
<tr>
<td>Cherry</td>
<td>8922</td>
</tr>
<tr>
<td>Ash</td>
<td>8933</td>
</tr>
<tr>
<td>Massaran</td>
<td>8950</td>
</tr>
<tr>
<td>Ipé</td>
<td>8949</td>
</tr>
<tr>
<td>Walnut</td>
<td>8927</td>
</tr>
<tr>
<td>Wenge</td>
<td>8943</td>
</tr>
<tr>
<td>Oak</td>
<td>8920</td>
</tr>
<tr>
<td>White Walnut</td>
<td>8934</td>
</tr>
<tr>
<td>Zebrano</td>
<td>8938</td>
</tr>
<tr>
<td>Meranti</td>
<td>8936</td>
</tr>
<tr>
<td>Teak</td>
<td>8923</td>
</tr>
<tr>
<td>European Walnut</td>
<td>8937</td>
</tr>
<tr>
<td>Cedar</td>
<td>8935</td>
</tr>
<tr>
<td>Vintage Oak</td>
<td>8932</td>
</tr>
<tr>
<td>Maple</td>
<td>8921</td>
</tr>
<tr>
<td>Whitewash</td>
<td>8924</td>
</tr>
<tr>
<td>White</td>
<td>8951</td>
</tr>
<tr>
<td>Grey Oak</td>
<td>8948</td>
</tr>
<tr>
<td>Grey Cedar</td>
<td>8931</td>
</tr>
<tr>
<td>Dock Yard</td>
<td>8945</td>
</tr>
<tr>
<td>Grey Walnut</td>
<td>8946</td>
</tr>
<tr>
<td>Dark Ash</td>
<td>8947</td>
</tr>
</tbody>
</table>

## STEEL COIL COATED WOOD-LOOK

Prepainted steel with printed wood-look coating.

<table>
<thead>
<tr>
<th>Colour</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dark Oak</td>
<td>8404</td>
</tr>
<tr>
<td>Golden Oak</td>
<td>8405</td>
</tr>
<tr>
<td>Winchester</td>
<td>8408</td>
</tr>
<tr>
<td>Wenge</td>
<td>8409</td>
</tr>
</tbody>
</table>
Beta Hook-On Singular metal ceiling systems are best used in large spaces to create individual patterned ceiling solutions.


**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 342 for all perforation patterns.
Scale shown: 1:1, unless otherwise noted. See page 347 for acoustic information.

PHYSICAL DATA

Class A1
acc. EN 13501-1

Belgium only

$\alpha_W = 0.55 - 0.90$

Colours:
See page 106

Varies with finish
RAL9010: $U_I = 0.81$

Alu
Plain: Class C
Perf+NW: Class B

Kg

Al: 4.9 kg/m²
Fe: 7.8 kg/m²
Beta Hook-On Corridor metal ceiling systems are best for corridors to create a practical and monolithic ceiling.

**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

---

Production by Hunter Douglas Ceiling Center

<table>
<thead>
<tr>
<th>EPD</th>
<th>E1</th>
<th>A</th>
<th>60%</th>
</tr>
</thead>
</table>

98 | hunterdouglasarchitectural.eu
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 342 for all perforation patterns.
Scale shown: 1:1, unless otherwise noted. See page 347 for acoustic information.

PHYSICAL DATA

Colours: See page 106
Varies with finish: RAL9010: LR = 0.81

Class A1 acc. EN 13501-1
\( \alpha_w = 0.55-0.90 \)

Al: 4.9 kg/m²
Fe: 78 kg/m²
Beta Hook-On Continuous metal ceiling systems for large monolithic surface designs.

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

![Typical Sections Diagram]

- D1522
  - Ø 1.5 mm
  - Openness 22%

- D2022
  - Ø 2 mm
  - Openness 22%

- R1511
  - Ø 1.5 mm
  - Openness 11%

- R2011
  - Ø 2 mm
  - Openness 11%

- R2516
  - Ø 2.5 mm
  - Openness 16%

### PERFORATION PATTERNS

Standard patterns shown. See page 342 for all perforation patterns.  
Scale shown: 1:1, unless otherwise noted. See page 347 for acoustic information.

#### PHYSICAL DATA

- Class A1  
  acc. EN 13501-1  
  \( \alpha_W = 0.55-0.90 \)

- Variability with finish  
  RAL9010: Lr < 0.81

- Alu
- Plain: Class C  
  Perf+NW: Class B

- Kg

- Al: 4.9 kg/m²  
  Fe: 78 kg/m²

Colors:  
See page 106
Beta Hook-On Safety-Loop when secure panels are important.

**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**

![Typical Sections Diagram]

**PERFORATION PATTERNS**

Standard patterns shown. See page 342 for all perforation patterns.  
Scale shown: 1:1, unless otherwise noted. See page 347 for acoustic information.

- **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%

**PHYSICAL DATA**

- **Class A1**  
  acc. EN 13501-1

- **α_w = 0.55-0.90**

Colours:  
Variety of finishes:  
RAL 9010: LR = 0.81

- **Al**: 4.9 kg/m²  
  Fe: 78 kg/m²

- **Alu**: Plain  
  Plain: Class C  
  Perf+NW: Class B

See page 106
Use Beta Isola to create individually sized islands where design features or acoustics are a priority.

Project: Centro Commerciale Top Center, Trento, Italy - Product: Planks Beta Hook-on Isola

**KEY FEATURES**

- Panel sizes*:
  - minimum 300 x 600 mm
  - maximum 800 x 2000 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 Isola plank
2 = Hook-On profile
3 = Primary profile
4 = Nonius hanger
5 = Locking clips

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

**TYPICAL SECTIONS**

**PERFORATION PATTERNS**

Standard patterns shown. See page 342 for all perforation patterns.
Scale shown: 1:1, unless otherwise noted. See page 347 for acoustic information.

**PHYSICAL DATA**

- **Class A1**
  - acc. EN 13501-1
- **Colours:**
  - Varies with finish RAL9010: LRI = 0.81
- **Alu:**
  - 4.9 kg/m²
- **Fe:**
  - 7.8 kg/m²
- **Plain:**
  - Class C
  - Perf+NW: Class B
- **αW = 0.55-0.90**
COLOURS AND FINISHES

Hunter Douglas 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.

<table>
<thead>
<tr>
<th>STANDARD PAINT COLOURS</th>
<th>CUSTOM COLOURS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Signal White RAL 9003</td>
<td>On Request</td>
</tr>
<tr>
<td>Traffic White RAL 9016</td>
<td></td>
</tr>
<tr>
<td>Pure White RAL 9010</td>
<td></td>
</tr>
<tr>
<td>White Aluminium RAL 9006</td>
<td></td>
</tr>
<tr>
<td>Jet Black RAL 9005</td>
<td></td>
</tr>
</tbody>
</table>

ALUMINIUM SUBLIMATED WOOD-LOOK
Sublimated: imprint wood patterns after powder coating. This finish is recommended for interior and exterior conditions.

STEEL LAMINATED WOOD-LOOK
Precoated steel with a wood-look PVC film for internal purposes only.

STEEL COIL COATED WOOD-LOOK
Prepainted steel with printed wood-look coating.
Project: Indianapolis Airport, Indianapolis, North America, USA - Product: Planks Beta (Isola) - Architect: AeroDesign Group and HOK
Delta Torsion-Spring metal ceiling system allows ceiling panels to swing down from the ceiling plane in any direction.

**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

Production by Hunter Douglas Ceiling Center

EN 13963  
A  
60%
DELTA

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 342 for all perforation patterns.
Scale shown: 1:1, unless otherwise noted. See page 347 for acoustic information.

<table>
<thead>
<tr>
<th>Pattern</th>
<th>Diameter</th>
<th>Openness</th>
</tr>
</thead>
<tbody>
<tr>
<td>D1522</td>
<td>Ø 1.5 mm</td>
<td>22%</td>
</tr>
<tr>
<td>R1511</td>
<td>Ø 1.5 mm</td>
<td>11%</td>
</tr>
<tr>
<td>R2516</td>
<td>Ø 2.5 mm</td>
<td>16%</td>
</tr>
<tr>
<td>D2022</td>
<td>Ø 2.0 mm</td>
<td>22%</td>
</tr>
<tr>
<td>R2011</td>
<td>Ø 2.0 mm</td>
<td>11%</td>
</tr>
</tbody>
</table>

PHYSICAL DATA

Class A1
acc. EN 13501-1

W = 0.55-0.90

Colours:
See page 110

Varies with finish
RAL9010: Lr = 0.81

Al: 4.9 kg/m²
Fe: 7.8 kg/m²

Plain: Class C
Perf+NW: Class B
COLOURS AND FINISHES

Hunter Douglas 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 | Traffic White RAL 9016 | Pure White RAL 9010 | White Aluminium RAL 9006 | Jet Black RAL 9005 |

ALUMINIUM SUBLIMATED WOOD-LOOK

Sublimated: imprint wood patterns after powder coating. This finish is recommended for interior and exterior conditions.

STEEL LAMINATED WOOD-LOOK

Precoated steel with a wood-look PVC film for internal purposes only.

STEEL COIL COATED WOOD-LOOK

Prepainted steel with printed wood-look coating.

Colours are for illustration purposes only. Please contact your local Hunter Douglas sales office for minimum quantities and lead times. See website for the most up to date information.
Project: Shopping Center Gelderlandplein, Amsterdam, the Netherlands - Product: Planks Delta B (Torsion-Spring Continuous) - Architect: Rijnboutt
Gamma Lay-On metal ceilings are offered in a wide range of sizes, with square edge details for standard grid options.

**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/tools required

- Compatible with industry standard lighting, HVAC, speaker, fire safety, and security services

*For large dimensions contact our sales unit

Project: Brussels Airport Connector, Brussels, Belgium - Product: Gamma Lay-on Plank (Omega bandraster) - Architect: Chapman Taylor Benelux
Maximum spans primary and secondary grid 1200 mm
Maximum cantilevers 300 mm

**PERFORATION PATTERNS**

Standard patterns shown. See page 342 for all perforation patterns.
Scale shown: 1:1, unless otherwise noted. See page 347 for acoustic information.

- **D1522**
  - Ø 1.5 mm
  - Openness 22%

- **D2022**
  - Ø 2 mm
  - Openness 22%

- **R1511**
  - Ø 1.5 mm
  - Openness 11%

- **R2011**
  - Ø 2 mm
  - Openness 11%

- **R2516**
  - Ø 2.5 mm
  - Openness 16%

**PHYSICAL DATA**

- **Class A1** (acc. EN 13501-1)
- **Belgium only**
- **α_N = 0.55-0.90**
- **Al: 4.9 kg/m²**
- **Fe: 78 kg/m²**

- **Colours:**
  - Varies with finish
  - RAL 9010: Lr = 0.81
  - **Plain: Class C**
  - **Perf+NW: Class B**

See page 114
PLANKS

COLOUR COLLECTION GAMMA CEILINGS

COLOURS AND FINISHES

Hunter Douglas 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

<table>
<thead>
<tr>
<th>Colour</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Signal White</td>
<td>RAL 9003</td>
</tr>
<tr>
<td>Traffic White</td>
<td>RAL 9016</td>
</tr>
<tr>
<td>Pure White</td>
<td>RAL 9010</td>
</tr>
<tr>
<td>White Aluminium</td>
<td>RAL 9006</td>
</tr>
<tr>
<td>Jet Black</td>
<td></td>
</tr>
</tbody>
</table>

CUSTOM COLOURS

<table>
<thead>
<tr>
<th>Colour</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pure White</td>
<td>RAL 9010</td>
</tr>
</tbody>
</table>

ALUMINIUM SUBLIMATED WOOD-LOOK

Sublimated: imprint wood patterns after powder coating. This finish is recommended for interior and exterior conditions.

STEEL LAMINATED WOOD-LOOK

Precoated steel with a wood-look PVC film for internal purposes only.

STEEL COIL COATED WOOD-LOOK

Prepainted steel with printed wood-look coating.

<table>
<thead>
<tr>
<th>Colour</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dark Oak</td>
<td>8404</td>
</tr>
<tr>
<td>Golden Oak</td>
<td>8405</td>
</tr>
<tr>
<td>Winchester</td>
<td>8408</td>
</tr>
<tr>
<td>Wenge</td>
<td>8409</td>
</tr>
</tbody>
</table>
Lay-In tiles in standard sizes, with square, flush or reveal edge details for standard grid options.

**KEY FEATURES**

- Standard dimension 600 x 600 mm
- Edge options: square, flush, reveal
- 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 342 for all perforation patterns.
Scale shown: 1:1, unless otherwise noted. See page 347 for acoustic information.

D1522
Ø 1.5 mm
Openness 22%

D2022
Ø 2 mm
Openness 22%

R1511
Ø 1.5 mm
Openness 11%

R2011
Ø 2 mm
Openness 11%

R2516
Ø 2.5 mm
Openness 16%

PHYSICAL DATA

Class A1
acc. EN 13501-1

Belgium only

$\alpha_W = 0.55-0.90$

Colours:
See page 122

Varies with finish
RAL9010: LRI = 0.81

Al: 4.9 kg/m²
Fe: 78 kg/m²

Plain: Class C
Perf+NW: Class B

Alu

Plain

Perf+NW
Lay-On tiles in standard sizes, with square, flush or reveal edge details for standard grid options.

**Project:** Atlas Arena - Sport and Entertainment hall, Lodz, Poland - **Product:** Tiles (Lay-In/Lay-On) - **Architect:** ATJ

**KEY FEATURES**

- Standard dimension 600 x 600 mm
- Edge options: square, flush, reveal
- 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 342 for all perforation patterns.
Scale shown: 1:1, unless otherwise noted. See page 347 for acoustic information.

PHYSICAL DATA

Class A1 acc. EN 13501-1
\[ \alpha_N = 0.55 - 0.90 \]

Colours:
See page 122

Belgium only

Varies with finish
RAL 9010: Lf = 0.81

Alu

Plain: Class C
Perf+NW: Class B

Al: 4.9 kg/m²
Fe: 78 kg/m²
The proven durability of Clip-In metal ceiling systems makes it a perfect selection for standard ceiling applications.

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

KEY FEATURES

- Standard dimension 600 x 600 mm
- Bevelled edges
- 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 3 mm
2 = Primary/secondary Clip-In profile
3 = Clip-In profile splice
4 = Cross connector
5 = End clamp
6 = Wall clamp
7 = Edge trim profile
8 = Rod hanger
9 = Nonius hanger

PERFORATION PATTERNS

Standard patterns shown. See page 342 for all perforation patterns.
Scale shown: 1:1, unless otherwise noted. See page 347 for acoustic information.

PHYSICAL DATA

Class A1
acc. EN 13501-1

Colours:
See page 122

Varies with finish
RAL9010: LR < 0.81

Alu
Plain: Class C
Perf+NW: Class B

Physical Data:

$\alpha_{W} = 0.55-0.90$

Al: 4.9 kg/m²
Fe: 78 kg/m²

Physically

Plain
COLOURS AND FINISHES

Hunter Douglas 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

<table>
<thead>
<tr>
<th>Signal White RAL 9003</th>
<th>Traffic White RAL 9016</th>
<th>Pure White RAL 9010</th>
<th>White Aluminium RAL 9006</th>
<th>Jet Black RAL 9005</th>
</tr>
</thead>
</table>

ALUMINIUM SUBLIMATED WOOD-LOOK
Sublimated: imprint wood patterns after powder coating. This finish is recommended for interior and exterior conditions.

<table>
<thead>
<tr>
<th>Walnut 8424</th>
<th>Amber Bamboo 8435</th>
<th>African Wenge 8444</th>
<th>Golden Douglas 8436</th>
<th>American Oak 8439</th>
<th>Swamp Cypress 8444</th>
</tr>
</thead>
</table>

STEEL LAMINATED WOOD-LOOK
Precoated steel with a wood-look PVC film for internal purposes only.

<table>
<thead>
<tr>
<th>Amarant 8941</th>
<th>Mahogany 8940</th>
<th>Cherry 8922</th>
<th>Ash 8933</th>
<th>Massaran 8950</th>
<th>Ipé 8949</th>
<th>Walnut 8927</th>
<th>Wenge 8943</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Oak 8920</th>
<th>White Walnut 8934</th>
<th>Zebrano 8938</th>
<th>Meranti 8936</th>
<th>Teak 8923</th>
<th>European Walnut 8937</th>
<th>Cedar 8935</th>
<th>Vintage Oak 8932</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Maple 8921</th>
<th>Whitewash 8924</th>
<th>White 8951</th>
<th>Grey Oak 8948</th>
<th>Grey Cedar 8931</th>
<th>Dock Yard 8945</th>
<th>Grey Walnut 8946</th>
<th>Dark Ash 8947</th>
</tr>
</thead>
</table>

STEEL COIL COATED WOOD-LOOK
Prepainted steel with printed wood-look coating.

<table>
<thead>
<tr>
<th>Dark Oak 8404</th>
<th>Golden Oak 8405</th>
<th>Winchester 8408</th>
<th>Wenge 8409</th>
</tr>
</thead>
</table>
Stretch Metal Lay-In tiles in standard sizes, with square, flush or reveal edge details for standard grid options.

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

**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-In/stretch metal tile  
2 = T-grid (non HD)  
3 = Hangers (non HD)

---

**TYPICAL SECTIONS**

<table>
<thead>
<tr>
<th>Lay-In</th>
<th>T15: 8</th>
<th>T24: 0</th>
<th>T24: 8</th>
</tr>
</thead>
<tbody>
<tr>
<td>Module</td>
<td>600 x 600</td>
<td>600 x 600</td>
<td>600 x 600</td>
</tr>
<tr>
<td>Grid</td>
<td>15 mm</td>
<td>24 mm</td>
<td>24 mm</td>
</tr>
<tr>
<td>Reveal</td>
<td>8 mm</td>
<td>0 mm</td>
<td>8 mm</td>
</tr>
</tbody>
</table>

---

**MESH PATTERNS**

Standard patterns shown. See page 342 for all mesh patterns and technical details. Scale shown: 1:1, unless otherwise noted. See page 347-348 for acoustic information.

- LS6 (Fe)
- LS8 (Fe)
- LS10 (Fe)
- LS12 (Fe)
- LS16 (Fe)
- LD10 (Fe)
- LD16 (Fe)

---

**PHYSICAL DATA**

- Class A1 acc. EN 13501-1
- \( \alpha_{W} = 0.55-1.00 \)
- Colours: Varies with finish
- Alu Class B
- Kg
- Depends on Meshtype

---

Colours: See page 140
STRETCH METAL
TILES LAY-ON

Stretch Metal Lay-On tiles in standard sizes, with square, flush or reveal edge details for standard grid options.

**Project:** Trento Shopping Center, Trento, Italy - **Product:** Stretch Metal Tiles (lay-On)

**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

<table>
<thead>
<tr>
<th>Lay-On</th>
<th>T15</th>
<th>T24</th>
</tr>
</thead>
<tbody>
<tr>
<td>Module</td>
<td>600 x 600</td>
<td>600 x 600</td>
</tr>
<tr>
<td>Grid</td>
<td>15 mm</td>
<td>24 mm</td>
</tr>
<tr>
<td>Reveal</td>
<td>0 mm</td>
<td>0 mm</td>
</tr>
</tbody>
</table>

MESH PATTERNS

Standard patterns shown. See page 342 for all mesh patterns and technical details. Scale shown: 1:1, unless otherwise noted. See page 347-348 for acoustic information.

PHYSICAL DATA

Class A1 acc. EN 13501-1
α_W = 0.55-1.00
Depends on mesh type
Colours: See page 140
Alu
 getClass

LD28 Moscow (Fe) (Scale 1:2)
LD20 Rotterdam (Fe) (Scale 1:2)
LD16 (Fe)
LD10 (Fe)
LS16 (Fe)
LS12 (Fe)
LS10 (Fe)
LS8 (Fe)
LS6 (Fe)
Alpha parallel and Alpha cross with stretch metal are designed to deliver great possibilities in terms of style and combinations.

**KEY FEATURES**

- Panel sizes:
  - without reinforcement maximum 500 x 1200 mm
  - with reinforcement maximum 600 x 2800 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 342 for all mesh patterns and technical details. Scale shown: 1:1, unless otherwise noted. See page 347-348 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)

**PHYSICAL DATA**

- **Class A1**  
  acc. EN 13501-1  
- **$\alpha_W = 0.55-1.00$**  
- **Colours:**  
  See page 140  
- **Varies with finish**  
- **Alu**  
- **Class B**  
- **Kg**  
  Depends on Meshtype
Beta Hook-On Singular folded stretch metal ceiling systems are ideal for corridors or individual patterned ceiling solutions.

**KEY FEATURES**

- Panel sizes:
  - with reinforcement maximum 600 x 2800 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 342 for all mesh patterns and technical details.
Scale shown: 1:1, unless otherwise noted. See page 347-348 for acoustic information.

PHYSICAL DATA
Class A1
acc. EN 13501-1

Class

Colours:
See page 140

Varies with finish

Alu

Class B

Depends on Mesh type

w = 0.55-1.00

Kg

a

h

10

30

30-40-50

40 - 52

40

29

5

0-3

min

298

30-40-50

30

h

563

133

51

244

307

LS6 (Fe)

LS8 (Fe)

LS10 (Fe)

LS12 (Fe)

LD28 Moscow (Fe)

LS16 (Fe)

LD20 Rotterdam (Fe)

LD10 (Fe)

LD16 (Fe)

LS6 (Fe)

LS8 (Fe)

LS10 (Fe)

LS12 (Fe)

LS16 (Fe)

LD20 Rotterdam (Fe)

LD28 Moscow (Fe)

LD10 (Fe)

LD16 (Fe)

LS6 (Fe)

LS8 (Fe)

LS10 (Fe)

LS12 (Fe)

LD28 Moscow (Fe)

LD20 Rotterdam (Fe)

LD10 (Fe)

LD16 (Fe)
Beta Hook-On Singular stretch metal ceiling systems special with large mesh patterns are ideal for corridors ceiling solutions.

**KEY FEATURES**

- Panel sizes:
  - with reinforcement maximum 680 x 2800 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
- 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

MESH PATTERNS
Standard patterns shown. See page 342 for all mesh patterns and technical details.
Scale shown: 1:1, unless otherwise noted. See page 347-348 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
Class A1 acc. EN 13501-1
αW = 0.55-1.00
Depends on Meshtype

Colours: See page 140
Varies with finish
Alu
Class B

Kg
Beta Hook-On Continuous folded stretch metal ceiling systems for large surface designs with distinct joint pattern.

**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 2800 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

MESH PATTERNS

Standard patterns shown. See page 342 for all mesh patterns and technical details.
Scale shown: 1:1, unless otherwise noted. See page 347-348 for acoustic information.

PHYSICAL DATA

Class A1
acc. EN 13501-1

Colours:
See page 140

Varies with finish

Alu

Class B

Cannot read the diagram.
Beta Hook-on Safety loop stretch metal ceiling special systems for large meshes create an almost monolithic surface design.

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 2800 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

MESH PATTERNS

Standard patterns shown. See page 342 for all mesh patterns and technical details. Scale shown: 1:1, unless otherwise noted. See page 347-348 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

Class A1
acc. EN 13501-1

$\alpha_W = 0.55-1.00$

Depends on Meshtype

Colours:
See page 140

Varies with finish

Alu

Class B
STRETCH METAL
GAMMA LAY-ON

Gamma Lay-On stretch metal ceilings with high contrasts between grid and mesh.

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

KEY FEATURES

- Panel sizes:  
  - without reinforcement maximum 500 x 1200 mm  
  - with reinforcement maximum 600 x 2800 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 342 for all mesh patterns and technical details.
Scale shown: 1:1, unless otherwise noted. See page 347-348 for acoustic information.

PHYSICAL DATA

Class A1
acc. EN 13501-1

α_W = 0.55-1.00

Colours:
See page 140

Varies with finish

Alu

Class B

 Depends on Mesh type
COLOURS AND FINISHES

Hunter Douglas 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.

<table>
<thead>
<tr>
<th>STANDARD PAINT COLOURS</th>
<th>CUSTOM COLOURS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Signal White RAL 9003</td>
<td></td>
</tr>
<tr>
<td>Traffic White RAL 9016</td>
<td></td>
</tr>
<tr>
<td>Pure White RAL 9010</td>
<td></td>
</tr>
<tr>
<td>White Aluminium RAL 9006</td>
<td></td>
</tr>
<tr>
<td>Jet Black RAL 9005</td>
<td></td>
</tr>
</tbody>
</table>
Project: Microsoft Innovation Centre, Mons, Belgium - Product: Stretch Metal Gamma (Lay-On) - Architect: Reservoira Architectes sprl
300C/300L/300U metal ceiling panels offer a subtle, long span design for interior ceilings with V- or square joint detail.

Project: TNT Headquarters, Hoofddorp, The Netherlands - Product: Wide Panel 300C/300L (General) - Architect: Paul de Ruiter

**KEY FEATURES**

- Panel width: 300 mm
- Panel length: 1000 - 6000 mm
- Bevel-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

Production by Hunter Douglas Ceiling Center
TYPICAL ISOMETRICS
1 = 300C/300L/300U General panel
2 = Carrier
3 = Carrier splice
4 = Hanger

<table>
<thead>
<tr>
<th>Panel type</th>
<th>Material</th>
<th>Al</th>
<th>Fe</th>
</tr>
</thead>
<tbody>
<tr>
<td>300C</td>
<td></td>
<td>0.7</td>
<td>0.6</td>
</tr>
<tr>
<td>300L</td>
<td></td>
<td>0.7</td>
<td>0.6</td>
</tr>
<tr>
<td>300U</td>
<td></td>
<td>-</td>
<td>0.5</td>
</tr>
</tbody>
</table>

TYPICAL SECTIONS

PERFORATION PATTERNS
Standard patterns shown. See page 342 for all perforation patterns.
Scale shown: 1:1, unless otherwise noted. See page 348 for acoustic information.

<table>
<thead>
<tr>
<th>Panel type</th>
<th>Material</th>
<th>(Scale 1:3)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plain</td>
<td></td>
<td>D1523 Ø 1.5 mm, 23%</td>
</tr>
<tr>
<td>Perf+NW</td>
<td></td>
<td>D1522; α_{0.75} = 0.75</td>
</tr>
</tbody>
</table>

PHYSICAL DATA

Plain: A2-s1,d0
Perf-NW: A2-s1,d0
Plain: Class C
Perf+NW: Class B

OPTIONAL
Colours: See page 150
Curved solutions: See page 194
Exterior solutions: See page 258

<table>
<thead>
<tr>
<th>Panel type</th>
<th>Material</th>
<th>Kg</th>
<th>(Scale 1:3)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plain</td>
<td></td>
<td></td>
<td>D1523; 2.93 kg/m²</td>
</tr>
<tr>
<td>Perf+NW</td>
<td></td>
<td></td>
<td>0280; 65%</td>
</tr>
</tbody>
</table>
300C/300L/300U Lay-On metal ceiling panels are the perfect corridor solution with V- or square joint design.

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

**KEY FEATURES**

- Panel width: 300 mm
- Panel length: 1000 - 2400 mm
- Bevel-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
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 342 for all perforation patterns. Scale shown: 1:1, unless otherwise noted. See page 348 for acoustic information.

| Panel type | Material |
---|---|
| Plain: A2-s1,d0 | Perf+NW: A2-s1,d0 |
| D1523: Ø 1.5 mm | D2016: Ø 2 mm |
| Ø 3 | Ø 5 |
| Openness 23% | Openness 16% |
| 300C | 300L |

| Panel type | Material |
---|---|
| Plain: A2-s1,d0 | Perf+NW: A2-s1,d0 |
| D1523: Ø 1.5 mm | D2016: Ø 2 mm |
| Ø 3 | Ø 5 |
| Openness 23% | Openness 16% |
| 300C | 300L |

PHYSICAL DATA

| Panel type | Material |
---|---|
| Plain: A2-s1,d0 | Perf+NW: A2-s1,d0 |
| D1522: α_{nu}=0.75 | D2016: α_{nu}=0.75 |
| Al: 2.93 kg/m² | Fe: 7.33 kg/m² |
| 0280: 65% |

Optional

Colours:
See page 150
300C/300L/300U metal ceiling panels in bandraster configuration with V- or square joint detail give easy access to the plenum.

**Project:** La Plaine offices, 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
- Bevel-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
300C/300L/300U BANDRASTER

### TYPICAL ISOMETRICS

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

### TYPICAL SECTIONS

![Diagram of TYPICAL SECTIONS]

### PERFORATION PATTERNS

Standard patterns shown. See page 342 for all perforation patterns.  
Scale shown: 1:1, unless otherwise noted. See page 348 for acoustic information.

![Diagram of PERFORATION PATTERNS]

### PHYSICAL DATA

- **Plain:** A2-s1,d0  
  - **Kg:** 2.93 kg/m²  
  - **Colours:** See page 150

- **Perf+NW:** A2-s1,d0  
  - **Kg:** 7.33 kg/m²  
  - **Colours:** See page 150

- **Class C**  
  - **Kg:** 0280: 65%  
  - **Colours:** See page 150

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

**Scale shown:** 1:1, unless otherwise noted. See page 348 for acoustic information.
300C/300L metal ceiling panels in C-Grid configuration with V- or square joint detail give easy access to the plenum and provide a smooth finish.

Project: Kozja Sloboda metro station, Kazan, Russia - Product: Wide Panel 300C/300L - Architect: Azat Muratovich Mustafin OAO Institute Kazgrazhdanproject

KEY FEATURES

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

<table>
<thead>
<tr>
<th>Panel Type</th>
<th>Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>300C</td>
<td>Al 0.7</td>
</tr>
<tr>
<td></td>
<td>Fe 0.6</td>
</tr>
<tr>
<td>300L</td>
<td>Al 0.7</td>
</tr>
<tr>
<td></td>
<td>Fe 0.6</td>
</tr>
</tbody>
</table>

**Typical Sections**

**Perforation Patterns**

Standard patterns shown. See page 342 for all perforation patterns. Scale shown: 1:1, unless otherwise noted. See page 348 for acoustic information.

**Physical Data**

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

**Optional**

- Colours: See page 150

---

D1523
Ø 1.5 mm
300C
Openness 23%

D2016
Ø 2 mm
A = 8.5 mm
300C
Openness 16%

Ø 1.5 / 2.0 mm
A = 8.5 mm
300C

A = 8.5 mm
300L

Plain

Al: 2.93 kg/m²
Fe: 7.33 kg/m²

0280: 65%
COLOURS AND FINISHES

Hunter Douglas 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

CUSTOM COLOURS

NATURE TONES

WARM WHITES

METALS

300C/300L/300U IN FE

METAL CEILINGS

WIDE PANEL

300C/300L/300U
Project: Sint-Vincentius GZA Ziekenhuizen, Berchem, Belgium - Product: Planks Gamma (Lay-On planks) - Architect: Architectenbureau De Vloed
The TAVOLA™ Baffle ceiling system ensures a perfect linear appearance whilst delivering excellent acoustic performance.


KEY FEATURES

- Baffles are made to measure in any length from 600 mm up to 4000 mm. Baffles > 4000 mm available on request with maximum of 5000 mm
- Profile heights: 50 up to 500 mm*
- Profile widths: 20, 30, 40 and 50 mm
- Standard FE carrier 43 x 60 mm, black
- On site waste reduction with factory fabricated dimensional material
- Downweight: reduce static load with lightweight aluminium or steel
- Standard from pre-painted steel strip
- Easy plenum access

* > 500 mm available on request
TAVOLA™ STRAIGHT

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*

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

PERFORATION PATTERNS

Standard patterns shown. See page 342 for all perforation patterns.
Scale shown: 1:1, unless otherwise noted. See page 348 for acoustic information.

D1522
Ø 1.5 mm
Ø 4  4
Openness 22%

D2022
Ø 2 mm
Ø 5  5
Openness 22%

R1511
Ø 1.5 mm
Ø 4  4
Openness 11%

R2011
Ø 2 mm
Ø 5  5
Openness 11%

R2516
Ø 2.5 mm
Ø 5.5  5.5
Openness 16%

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

PHYSICAL DATA

Plain: A2-s2,d0

Colours:
Varies with finish
RAL9010: LR = 0.81

Class B
Perf+NW
Plain

Alu

Physics:
αw=0.4 - 0.5 (H)

Adhesive: Class 2

Kg

AL: 4.9 kg/m²
FE: 78 kg/m²

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

BAFFLES

TAVOLA™ LEVELS

Create relief and rhythm within the ceiling by varying the depth and space between the baffles.

Project: Tavola® Levels Concept

KEY FEATURES

- Baffles are made to measure in any length from 600 mm up to 4000 mm. Baffles > 4000 mm available on request with maximum of 5000 mm
- Profile heights: 50 up to 500 mm*
- Profile widths: 20, 30, 40 and 50 mm
- Standard FE carrier 43 x 60 mm, black
- On site waste reduction with factory fabricated dimensional material
- Downweight: reduce static load with lightweight aluminium or steel
- Standard from pre-painted steel strip
- Easy plenum access

* > 500 mm available on request
**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 342 for all perforation patterns. Scale shown: 1:1, unless otherwise noted. See page 348 for acoustic information.

**PHYSICAL DATA**

Plain: A2-s2.d0  
Varies with finish  
RAL9010: LR = 0.81  

Colours:  
See page 158

Alu  
Class B  
Perf+NW  
Plain  

**METAL CEILINGS**

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)

**PHYSICAL DATA**

Plain: A2-s2.d0  
Varies with finish  
RAL9010: LR = 0.81  

Colours:  
See page 158

Alu  
Class B  
Perf+NW  
Plain  

**METAL CEILINGS**

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)
Non-parallel, diverging baffles create organic textures in an unlimited variety of configurations for the interior.

**KEY FEATURES**

- Baffles are made to measure in any length from 600 mm up to 4000 mm. Baffles > 4000 mm available on request with maximum of 5000 mm
- Profile heights: 50 up to 500 mm*
- Profile widths: 20, 30, 40 and 50 mm
- Carrier FE 30-40-30, black
- On site waste reduction with factory fabricated dimensional material
- Downweight: reduce static load with lightweight aluminium or steel
- Standard from pre-painted steel strip
- Easy plenum access

* > 500 mm available on request
TAVOLA™ DIVERGENT

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 342 for all perforation patterns.  
Scale shown: 1:1, unless otherwise noted. See page 348 for acoustic information.

PHYSICAL DATA

αw = 0.4 - 0.5 (H)

Plain: A2-s2,d0  
Alu: Class C  
Perf+NW: Class B

Colours:  
See page 158  
Varies with finish  
RAL9010: LR = 0.81

AL: 4.9 kg/m²  
FE: 78 kg/m²
COLOURS AND FINISHES

Hunter Douglas 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

<table>
<thead>
<tr>
<th>Colour</th>
<th>Code</th>
<th>RAL Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Signal White</td>
<td>8424</td>
<td>9003</td>
</tr>
<tr>
<td>Traffic White</td>
<td>8435</td>
<td>9016</td>
</tr>
<tr>
<td>Pure White</td>
<td>8444</td>
<td>9005</td>
</tr>
<tr>
<td>White Aluminium</td>
<td>8436</td>
<td>9006</td>
</tr>
<tr>
<td>Jet Black</td>
<td>8439</td>
<td>9005</td>
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</table>

### CUSTOM COLOURS

- On Request

### ALUMINIUM SUBLIMATED WOOD-LOOK

Sublimated: imprint wood patterns after powder coating. This finish is recommended for interior and exterior conditions.

- Walnut 8424
- Amber Bamboo 8435
- African Wenge 8444
- Golden Douglas 8436
- American Oak 8439
- Swamp Cypress 8444
- Clipper Teak 8446
- Whitewash 8496

### STEEL LAMINATED WOOD-LOOK

Precoated steel with a wood-look PVC film for internal purposes only.

- Amarant 8941
- Mahogany 8940
- Cherry 8922
- Ash 8933
- Massaran 8950
- Ipé 8949
- Walnut 8927
- Wenge 8943
- Oak 8920
- White Walnut 8934
- Zebrano 8938
- Meranti 8936
- Teak 8923
- European Walnut 8937
- Cedar 8935
- Vintage Oak 8932
- Maple 8921
- Whitewash 8924
- White 8951
- Grey Oak 8948
- Grey Cedar 8931
- Dock Yard 8945
- Grey Walnut 8946
- Dark Ash 8947

### STEEL COIL COATED WOOD-LOOK

Prepainted steel with printed wood-look coating.

- Dark Oak 8404
- Golden Oak 8405
- Winchester 8408
- Wenge 8409
Project: Darwin Centre, Shrewsbury, UK - Product: Baffles Tavola™ Straight - Architect: Chapman Taylor
The slender blades of V100/V200 offer one-way plenum masking in 100 or 200 mm depths at 100-210 mm wide spacing, customisable with deco profiles.

KEY FEATURES

- Panel length: 800 mm up to 6000 mm
- Panel heights: 100 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

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

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

**TYPICAL SECTIONS**

V100  
V200

Decoprofile Extruded Aluminium (optional)  
Decoprofile Solid Wood (optional)

**PHYSICAL DATA**

V100: A2-s1,d0  
V200: A2-s2,d0  
Al: 3.0 - 4.5 kg/m²  
0280: 65%

Plain: Class C  
Plain

**OPTIONAL**

Colours:  
See page 162

Exterior solutions:  
See page 254
COLOURS AND FINISHES

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<table>
<thead>
<tr>
<th>STANDARD PAINT COLOURS</th>
<th>CUSTOM COLOURS</th>
</tr>
</thead>
<tbody>
<tr>
<td>0181 RAL 9003</td>
<td></td>
</tr>
<tr>
<td>0280 RAL 9010</td>
<td></td>
</tr>
<tr>
<td>1883 RAL 9011</td>
<td></td>
</tr>
<tr>
<td>7163 RAL 9006</td>
<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>WOOD TONES (OPTIONAL)</th>
</tr>
</thead>
<tbody>
<tr>
<td>8476 Cedar</td>
</tr>
<tr>
<td>8474 Pine</td>
</tr>
<tr>
<td>8494 Oak</td>
</tr>
<tr>
<td>8492 Birch</td>
</tr>
<tr>
<td>8472 Palisander</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>COLOUR OPTIONS DECO PROFILES ALUMINIUM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alu natural anodised</td>
</tr>
<tr>
<td>RAL 9010</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>COLOUR OPTIONS DECO PROFILES WOOD</th>
</tr>
</thead>
<tbody>
<tr>
<td>4654 Cherry</td>
</tr>
<tr>
<td>4258 Steamed beech</td>
</tr>
</tbody>
</table>
Project: Soccer stadium Arena, Amsterdam, The Netherlands - Products: Baffles V100/V200 (Screens)
Project: Bucharest Veranda shopping mall, Bucharest, Romania - Products: Baffles V100/V200 (Screens) with Deco profiles
Architect: Chapman Taylor Studio 10M
Open Cell metal ceiling systems create a clean plenum mask and offer easy access to all systems in a versatile range of patterns, configurations and finishes.


KEY FEATURES

- Tile dimensions 600 x 600 mm and 600 x 1200 mm
- Profile heights: 40 and 50 mm
- Profile 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

Production by Hunter Douglas Ceiling Center

A+ E1 92%
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 or 600 x 600 mm (straight ends, for sliding clip)
4 = Cell hanger

TYPICAL SECTIONS

Example Cell40

PHYSICAL DATA

A2-s2,d0
Plain: Class C
3.0 - 4.5 kg/m²
0280; 65%

OPTIONAL

Acoustics:
See page 348
Colours:
See page 168
Hunter Douglas 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 (CELL40)

<table>
<thead>
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<tbody>
<tr>
<td>0181 0181</td>
<td>RAL 9003 RAL 9003</td>
</tr>
<tr>
<td>0280 0280</td>
<td>RAL 9010 RAL 9010</td>
</tr>
<tr>
<td>1883 1883</td>
<td>RAL 9011 RAL 9011</td>
</tr>
<tr>
<td>7163 7163</td>
<td>RAL 9006 RAL 9006</td>
</tr>
</tbody>
</table>

### STANDARD PAINT COLOURS (CELL50)

<table>
<thead>
<tr>
<th>Colour Code</th>
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</thead>
<tbody>
<tr>
<td>0181 0181</td>
<td>RAL 9003 RAL 9003</td>
</tr>
<tr>
<td>0280 0280</td>
<td>RAL 9010 RAL 9010</td>
</tr>
<tr>
<td>7163 7163</td>
<td>RAL 9006 RAL 9006</td>
</tr>
</tbody>
</table>

### COOL WHITES

<table>
<thead>
<tr>
<th>Colour Code</th>
<th>RAL Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>0181 0181</td>
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<tr>
<td>0106 0106</td>
<td>RAL 9016 RAL 9016</td>
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<tr>
<td>0299 0299</td>
<td>RAL 9011 RAL 9011</td>
</tr>
<tr>
<td>0179 0179</td>
<td>RAL 9010 RAL 9010</td>
</tr>
</tbody>
</table>

### CUSTOM COLOURS

### NATURE TONES

<table>
<thead>
<tr>
<th>Colour Code</th>
<th>RAL Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>1585 1585</td>
<td>RAL 9003 RAL 9003</td>
</tr>
<tr>
<td>4648 4648</td>
<td>RAL 9016 RAL 9016</td>
</tr>
<tr>
<td>0785 0785</td>
<td>RAL 9011 RAL 9011</td>
</tr>
<tr>
<td>0735 0735</td>
<td>RAL 9010 RAL 9010</td>
</tr>
<tr>
<td>1883 1883</td>
<td>RAL 9011 RAL 9011</td>
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</table>

### WARM WHITES

<table>
<thead>
<tr>
<th>Colour Code</th>
<th>RAL Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>0280 0280</td>
<td>RAL 9010 RAL 9010</td>
</tr>
<tr>
<td>0581 0581</td>
<td>RAL 9001 RAL 9001</td>
</tr>
<tr>
<td>0585 0585</td>
<td>RAL 9001 RAL 9001</td>
</tr>
</tbody>
</table>

### METALS

<table>
<thead>
<tr>
<th>Colour Code</th>
<th>RAL Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>7163 7163</td>
<td>RAL 9006 RAL 9006</td>
</tr>
<tr>
<td>7007 7007</td>
<td>RAL 9001 RAL 9001</td>
</tr>
<tr>
<td>7178 7178</td>
<td>RAL 9001 RAL 9001</td>
</tr>
</tbody>
</table>

### WOOD TONES

<table>
<thead>
<tr>
<th>Colour Code</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>8476 8476</td>
<td>Cedar</td>
</tr>
<tr>
<td>8474 8474</td>
<td>Pine</td>
</tr>
<tr>
<td>8494 8494</td>
<td>Oak</td>
</tr>
<tr>
<td>8492 8492</td>
<td>Birch</td>
</tr>
<tr>
<td>8472 8472</td>
<td>Palisander</td>
</tr>
</tbody>
</table>
Cell tiles are easily installed on standard grid systems and create a clean plenum mask with easy access to all systems in a versatile range of patterns and finishes.

**Project:** Queensgate Shopping Centre, Peterborough, United Kingdom - **Product:** Cell - **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
TYPICAL ISOMETRICS

1 = Main T-profile 3600 (non HD)
2a = Cross T 1200 (non HD)
2b = Cross T 600 (non HD)
3a = Cell T15 tile 1200 x 600
3b = Cell T15 tile 600 x 600
4 = Cell hanger

TYPICAL SECTIONS

CellT15

T-profiles flush with tiles

Cell hanger suspension

Edge trimming with L-profile

PHYSICAL DATA

A2-s2,d0

Plain: Class C

3.0 - 4.5 kg/m²

0280: 65%

Colours:
See page 172
COLOURS AND FINISHES

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STANDARD PAINT COLOURS

<table>
<thead>
<tr>
<th>Colour Code</th>
<th>RAL Colour</th>
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<tbody>
<tr>
<td>0181</td>
<td>9003</td>
</tr>
<tr>
<td>1883</td>
<td>9011</td>
</tr>
<tr>
<td>7163</td>
<td>9006</td>
</tr>
</tbody>
</table>

CUSTOM COLOURS

Colours are for illustration purposes only.
Project: Queensgate Shopping Centre, Peterborough, United Kingdom - Product: Cell - Architect: Benoy
The MultiPanel metal ceiling system uses a universal carrier enabling a phenomenal amount of combinations of panel depths and widths using B, BD and BXD panels with a width of 30, 80, 130 or 180 mm.

**KEY FEATURES**

- Panel widths: 30 mm, 80 mm, 130 mm 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

**MULTIPANEL**

**TYPICAL ISOMETRICS**

<table>
<thead>
<tr>
<th>Number</th>
<th>Pattern Description</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>30B panel</td>
</tr>
<tr>
<td>2</td>
<td>80B panel</td>
</tr>
<tr>
<td>3</td>
<td>130B panel</td>
</tr>
<tr>
<td>4</td>
<td>180B panel</td>
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<tr>
<td>5</td>
<td>30BD panel</td>
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<tr>
<td>6</td>
<td>30BXD panel</td>
</tr>
<tr>
<td>7</td>
<td>80BXD panel</td>
</tr>
<tr>
<td>8</td>
<td>130BXD panel</td>
</tr>
<tr>
<td>9</td>
<td>Recessed V-join profile</td>
</tr>
<tr>
<td>10</td>
<td>Recessed U-join profile</td>
</tr>
<tr>
<td>11</td>
<td>Multi-Panel Carrier</td>
</tr>
<tr>
<td>12</td>
<td>Hanger</td>
</tr>
<tr>
<td>13</td>
<td>Carrier Splice</td>
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<tr>
<td>14</td>
<td>Panel Splice</td>
</tr>
<tr>
<td>15</td>
<td>End Cap</td>
</tr>
<tr>
<td>16</td>
<td>Fixing clip</td>
</tr>
</tbody>
</table>

**Standard patterns shown. See page 342 for all perforation patterns.**

Scale shown: 1:1, unless otherwise noted. See page 349-350 for acoustic information.

**PERFORATION PATTERNS**

Standard patterns shown. See page 342 for all perforation patterns.

Scale shown: 1:1, unless otherwise noted. See page 349-350 for acoustic information.

**PHYSICAL DATA**

Plain: A2-s1,d0

Perf+NW: A2-s2,d0

30B(X)D standard: B-s1,d0

30B(X)D on request: B-s2,d0

Plain: Class C

Perf+NW: Class B

D1523: α<sub>vp</sub>=0.75

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
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<tbody>
<tr>
<td>Kg</td>
<td>0280 65%</td>
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<tr>
<td>Exterior solutions</td>
<td>See page 242</td>
</tr>
<tr>
<td>Colours</td>
<td>See page 176</td>
</tr>
<tr>
<td>Curved solutions</td>
<td>See page 202</td>
</tr>
</tbody>
</table>

**OPTIONAL**

Plain: 1.9 - 6.0 kg/m²

Perf+NW: 65%
COLOURS AND FINISHES
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COOL WHITES

<table>
<thead>
<tr>
<th>Colour Code</th>
<th>RAL Code</th>
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</thead>
<tbody>
<tr>
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<tr>
<td>0106</td>
<td>±RAL 9016</td>
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<tr>
<td>0179</td>
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</table>

NATURE TONES

<table>
<thead>
<tr>
<th>Colour Code</th>
<th>RAL Code</th>
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<tbody>
<tr>
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<tr>
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<td></td>
</tr>
<tr>
<td>0735</td>
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</tr>
<tr>
<td>1883</td>
<td>±RAL 9011</td>
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</table>

WARM WHITES

<table>
<thead>
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<th>Colour Code</th>
<th>RAL Code</th>
</tr>
</thead>
<tbody>
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<td>0280</td>
<td>±RAL 9010</td>
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<tr>
<td>0581</td>
<td>±RAL 9001</td>
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<tr>
<td>0585</td>
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METALS

<table>
<thead>
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<th>RAL Code</th>
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<td>7007</td>
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<tr>
<td>7178</td>
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WOOD TONES
(only available for 30BD, 30BXD, 80B, 130B)

<table>
<thead>
<tr>
<th>Colour Code</th>
<th>Wood Type</th>
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<td>8474</td>
<td>Pine</td>
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<tr>
<td>8494</td>
<td>Oak</td>
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<tr>
<td>8492</td>
<td>Birch</td>
</tr>
<tr>
<td>8472</td>
<td>Palisander</td>
</tr>
</tbody>
</table>
Project: Centre Permis, Gennevilliers, France - Product: Linear MultiPanel - Architect: a+ samueldelmas
The 30BD/30BXD Linear metal ceiling system provides a bold linear design with optimal acoustics and heat exchange for CCA projects.

**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)
- Carrier modules: 50 mm (standard) and 60 mm for enhanced heat exchange in CCA application
- 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
### TYPICAL ISOMETRICS

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

### TYPICAL SECTIONS

![Typical Sections Diagram]

### PERFORATION PATTERNS

Standard patterns shown. See page 342 for all perforation patterns.  
Scale shown: 1:1, unless otherwise noted. See page 349-350 for acoustic information.

| Plain | D1523 | Ø 1.5 mm: A = 17 mm  
|Ø 1.5 mm: A = 19 mm  
|Ø 1.5 mm: A = 17 mm  

### PHYSICAL DATA

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<tr>
<th>Plain: B-s1,d0</th>
<th>D1523: α&lt;sub&gt;EF&lt;/sub&gt;=0.75</th>
<th>Al: 3.8 - 6.0 kg/m²</th>
<th>0280: 65%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plain: Class C</td>
<td>Perf+NW</td>
<td>Kg</td>
<td>Al: 3.8 - 6.0 kg/m²</td>
</tr>
<tr>
<td>Perf+NW: Class B</td>
<td>Kg</td>
<td>Al: 3.8 - 6.0 kg/m²</td>
<td>0280: 65%</td>
</tr>
</tbody>
</table>

### OPTIONAL

Colours:  
See page 180
COLOURS AND FINISHES

Hunter Douglas 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.

COOL WHITES

- 0181 ±RAL 9003
- 0106 ±RAL 9016
- 0299
- 0179

NATURE TONES

- 1585
- 4648
- 0785
- 0735
- 1883 ±RAL 9011

WARM WHITES

- 0280 ±RAL 9010
- 0581 ±RAL 9001
- 0585

METALS

- 7163
- 7007
- 7178

WOOD TONES

- 8476 Cedar
- 8474 Pine
- 8494 Oak
- 8492 Birch
- 8472 Palisander
30BD/30BXD + CCA


The 80BXD and 130BXD Linear metal ceiling system provides a strong statement in linear design.

**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

Project: Maastoren, Rotterdam, The Netherlands - Product: Linear Multipanel - Architect: OTH architecten
TYPICAL ISOMETRICS

1 = 80BXD panel
2 = 130BXD panel
3 = End Cap (80BXD)
4 = End Cap (130BXD)
5 = Multi-Panel Carrier
6 = Carrier Splice
7 = Hanger
8 = Fixing clip

PERFORATION PATTERNS

Standard patterns shown. See page 342 for all perforation patterns.
Scale shown: 1:1, unless otherwise noted. See page 349-350 for acoustic information.

PHYSICAL DATA

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

D1523: \( \alpha_w = 0.75 \)
A1: 3.75 - 4.5 kg/m²
D280: 65%

OPTIONAL

Colours:
See page 184
COLOURS AND FINISHES
Hunter Douglas 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.

<table>
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<tr>
<th>COOL WHITES</th>
<th>CUSTOM COLOURS</th>
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<tr>
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<td>0106 ±RAL 9016</td>
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<tr>
<th>NATURE TONES</th>
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<td>0785</td>
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<td>0735</td>
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<tr>
<td>1883 ±RAL 9011</td>
</tr>
</tbody>
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<table>
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<tr>
<th>WARM WHITES</th>
</tr>
</thead>
<tbody>
<tr>
<td>0280 ±RAL 9010</td>
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<tr>
<td>0581 ±RAL 9001</td>
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<tr>
<th>METALS</th>
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<tbody>
<tr>
<td>7163</td>
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<tr>
<td>7007</td>
</tr>
<tr>
<td>7178</td>
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</tbody>
</table>
Project: Chisinau airport, Moldova - Product: Linear 80BXD - Architect: Vladimir Pinzaru (Arhform)
The 84B, 84C and 84R Linear metal ceiling systems offer a square or rounded edge linear aesthetic at a nominal 100 mm module.

**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 depth 15 mm
- 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

Production by Hunter Douglas Ceiling Center
**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

**PERFORATION PATTERNS**

Standard patterns shown. See page 342 for all perforation patterns.  
Scale shown: 1:1, unless otherwise noted. See page 349-350 for acoustic information.

**PHYSICAL DATA**

- **Plain:** A2-s1,d0  
  D1523: $\alpha_w=0.75$  
  Al: 2.2 - 2.5 kg/m²  
  0280: 65%

- **Perf+NW:** A2-s2,d0  
  D1523: $\alpha_w=0.75$  
  Al: 2.2 - 2.5 kg/m²  
  0280: 65%

**OPTIONAL**

- **Colours:** See page 188
- **Curved solutions:** See page 198 (84R panel)  
  See page 202 (curved carriers)
- **Exterior solutions:** See page 238
COLOURS AND FINISHES

Hunter Douglas 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.

**84B/84R**

**COOL WHITES**

- 0181 \( \pm \text{RAL 9003} \)
- 0106 \( \pm \text{RAL 9016} \)
- 0299
- 0179

**NATURE TONES**

- 1585
- 4648
- 0785
- 0735
- 1883 \( \pm \text{RAL 9011} \)

**WARM WHITES**

- 0280 \( \pm \text{RAL 9010} \)
- 0581 \( \pm \text{RAL 9001} \)
- 0585

**METALS**

- 7163
- 7007
- 7178

**WOOD TONES**

- 8476 Cedar
- 8474 Pine
- 8494 Oak
- 8492 Birch
- 8472 Palisander

**84C**

- 0280 \( \pm \text{RAL 9010} \)
- 7163
Project: Vitesse Trainingscomplex Papendal, Arnhem, The Netherlands - Product: Linear 84B

METAL CEILINGS
The Linear Closed ceiling system combines three widths of panels, distinguished by their bevelled edges for a closed smooth appearance.

**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
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 342 for all perforation patterns.
Scale shown: 1:1, unless otherwise noted. See page 349-350 for acoustic information.

PHYSICAL DATA

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

D1523: \( \alpha_{\text{av}} = 0.75 \)

Al: 2.6 kg/m²

0280: 65%

OPTIONAL

Colours:
See page 192

Exterior solutions:
See page 246
COLOURS AND FINISHES

Hunter Douglas 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.

COOL WHITES

0181 ±RAL 9003
0106 ±RAL 9016
0299
0179

CUSTOM COLOURS

NATURE TONES

1585
4648
0785
0735
1883 ±RAL 9011

WARM WHITES

0280 ±RAL 9010
0581 ±RAL 9001
0585

METALS

7163
7007
7178

WOOD TONES

(only available for 75C)

8476 Cedar
8474 Pine
8494 Oak
8492 Birch
8472 Palisander

METAL CEILINGS
LINEAR
75C/150C/225C
Project: Dodoens Hospital, Mechelen, Belgium - Product: Linear 225C - Architect: Luyten Lens
Curved 300C metal ceilings add a twist to the traditional view of ceiling design. Imagine concave, convex, and undulating forms that tempt a look upwards.

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
**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)

**PERFORATION PATTERNS**

Standard patterns shown. See page 342 for all perforation patterns.  
Scale shown: 1:1, unless otherwise noted. See page 348 for acoustic information.

**PHYSICAL DATA**

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

D1523 : $\alpha_{W}=0.75$  
D2016 : $\alpha_{W}=0.75$  
$\text{Al: } 2.9 \text{ kg/m}^2$  
$\text{Fe: } 73 \text{ kg/m}^2$

Plain; Class C  
Perf+NW: Class B

$\text{D1523} : ~ \Phi 1.5 \text{ mm} \; \begin{array}{c} \text{A} \end{array}$

$\text{D2016} : ~ \Phi 2 \text{ mm} \; \begin{array}{c} \text{A} \end{array}$

$\text{Ø 1.5/2.0 mm} \; \begin{array}{c} \text{A} \end{array}$

**METAL CEILINGS**

**OPTIONAL**

Colours: 
See page 196

Exterior solutions: 
See page 258
COLOURS AND FINISHES

Hunter Douglas 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.

COOL WHITES

- 0181 ±RAL 9003
- 0106 ±RAL 9016
- 0299
- 0179

NATURE TONES

- 1585
- 4648
- 0785
- 0735
- 1883 ±RAL 9011

WARM WHITES

- 0280 ±RAL 9010
- 0585
- 0684

METALS

- 7163
- 7007
- 7178
- 7113
Project: Brussels Airport Connector, Zaventem, Belgium - Product: Curved 300C - Architect: Joint Venture CTHM
Curved 84R metal ceilings add a twist to the traditional view of ceiling design. Imagine concave, convex, and undulating forms that tempt a look upwards.

**Project:** BME Q building, Budapest, Hungary - **Product:** Curved 84R - **Architect:** A&D Studio, Mr Antal Lázár

**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
TYPICAL ISOMETRICS

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

TYPICAL SECTIONS

PERFORATION PATTERNS

Standard patterns shown. See page 342 for all perforation patterns.
Scale shown: 1:1, unless otherwise noted. See page 349-350 for acoustic information.

PHYSICAL DATA

<table>
<thead>
<tr>
<th>Plain: A2-s1,d0</th>
<th>D1523 : $\alpha_{w}=0.75$</th>
<th>Al: 2.5 kg/m²</th>
<th>0280: 65%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Perf+NW: A2-s2,d0</td>
<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Plain: Class C</th>
<th>Perf+NW</th>
<th>Plain</th>
</tr>
</thead>
</table>

OPTIONAL

Colours:
See page 200

Exterior solutions:
See page 238
COLOURS AND FINISHES

Hunter Douglas 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.

COOL WHITES

NATURE TONES

WARM WHITES

METALS

WOOD TONES
Curved Carrier metal ceilings create shaped designs with straight panels.

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: minimum 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

Production by Hunter Douglas Ceiling Center

A+ 60% (70U, 300C) 92% (other panels)
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)

PERFORATION PATTERNS

Standard patterns shown. See page 342 for all perforation patterns.
Scale shown: 1:1, unless otherwise noted. See page 349-350 for acoustic information.

PHYSICAL DATA

Plain: A2-s1,d0
Perf+NW: A2-s2,d0
Plain: Class C
Perf+NW: Class B

OPTIONAL

Colours:
See page 204

Exterior solutions
See page 238, 242 and 258
COLOURS AND FINISHES

Hunter Douglas 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: Primary school Vogelzang, Oostakker, The Netherlands
Architect: PLANOMATIC
Product: Exterior Stretch Metal Ceiling
PROJECT SOLUTIONS

At Hunter Douglas we are proud on the capabilities of our technical engineers. Their creative and technical skills are there to help you to deliver a ceiling system on even the most complex of building projects. Our knowledgeable consultants, BIM experts, and project engineers work on applications of every kind and will help design and specify sustainable materials, design integration of systems, and create a ceiling topography that gives every space its own personality.
Project: Rome Fiumicino Airport Gate C, Rome, Italy
Architect: The Design Solution, AdR, SPEA Engineering and Studio Muzzi
Product: Custom Baffle ceiling
Project: Tesco Letnany Refit, Prague, Czechia
Architect: Chapman Taylor Prague
Product: Custom Baffle Ceiling
PROJECT SOLUTIONS

ENTEL OFFICE BUILDING  212

SPOORZONE DELFT  214

ROME FIUMICINO AIRPORT GATE C  216

DUTCH CHARITY LOTTERY  218

WROCLAVIA SHOPPING MALL  220

NORTH-SOUTH METROLINE  222

Project: Spoorzone Delft, The Netherlands
Product: Custom Baffle Ceiling
Architect: Benthem Crouwel 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 ($\alpha_w$).
Calculated for high wind speeds, the ceiling also gives the platform a streamlined appearance.

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.
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.
Let your imagination run wild and realise great projects.

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 sqm of luxury retail outlets on the first floor and a 3,000 sqm 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, creating a comfortable ambiance for the many travellers passing underneath.
BAFFLES

PROJECT SOLUTIONS
“The architects’ idea was to create a leaf motif in the ceiling that creates light similar to that of a leafy environment”.

Project: Dutch Charity Lottery, 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 was recently completed and has already 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 square meters 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.

Production by Hunter Douglas Ceiling Center
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.
Unique vaulted shapes and curves in the ceiling give the building an impressive yet warm appearance on the inside.

Project: Wroclavia shopping mall, Wroclaw, Poland - Product: Solid Wood Linear ceilings and walls, Veneered Wood Grill systems - Architect: IMD Asymetria

THE PROJECT

The Wroclavia Shopping Centre was recently completed in Wroclaw, Poland. This beautiful shopping center, developed by Unibail-Rodamco, has the solid wood linear system in which the wood slats are curved in a special way. This made unique vaulted shapes and curves in the ceiling possible, which give the building an impressive yet warm appearance on the inside. The veneered wooden grill ceiling system has also been installed in other areas of the shopping center and give the project a nice appearance in ambiance.

During the design and construction phase, everything was geared towards sustainability, using natural shapes and materials. From this principle, the architect IMD Asymetria created a unique and welcoming atmosphere, in which humans and their experience are the central focus.

A specially designed wooden ceiling runs through the entire shopping centre in an undulating motion following the contours of the shell. From the design vision, which required natural materials and shapes combined with a BREEAM certification, the solid wood linear naturally curved system was chosen. By making technical adjustments to the product itself and the support system, it’s possible to shape the wood of the slats in a natural way. Unlike standard curved ceilings and walls, where the slats are straight and the support system is curved, the curve in this implementation of the linear system comes directly from the wood itself. This adds an extra dimension with which very special organic and never-before-seen shapes can be achieved.
A UNIQUE CUSTOM CEILING

The solid wood linear system, with a C2C silver certification, is mounted on a special support system of rails and clips according to a fixed template. This fastening is located on the back of the system and is invisible. The linear system is especially suitable for spaces with acoustic requirements. Thanks to a wide range of wood types, system types, sizes and finishes, there are many possibilities for the construction of your ceiling or wall with the desired appearance.
HunterDouglas® XLnt ceiling panels are based on composite state of the art technology that originate from the aircraft industry which results in lightweight and extremely flat ceiling panels.

The Project

The Amsterdam metro North/South Line trajectory 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.
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: North-South metroline, Amsterdam, The Netherlands - Product: XL Acoustic panels XLnt (Swing-Down) - Architect: Benthem Crouwel Architects
Project: Dutch Charity Lottery, Amsterdam, The Netherlands
Architect: Benthem Crouwel
Product: Custom Planks Exterior
EXTERIOR CEILINGS

Offering a wide range of design possibilities, exterior ceilings have been developed with the same appearance as the range of HunterDouglas® interior ceilings.
“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, 600 m² 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.

Paul Eeckhout, of Kinepolis, 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,” he 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
Architect: MVSA Architecten
Product: Beta Safety-Loop Exterior
Project: Red Apple, Rotterdam, The Netherlands
Architect: KCAP Architecten Planners
Product: 300C Exterior Ceiling
DESIGN A BEAUTIFUL OUTSIDE LINEAR CEILING WITH SPECIAL SELECTED WOOD SPECIES.

Project: Crematorium, Aylesbury, United Kingdom - Product: Solid Wood Linear, Exterior - Architect: na

KEY FEATURES

- Exterior applications
- Two outside ceilings solutions: Linear open & Multi-panel system
- Panel widths from 70 mm until 116 mm, depending per wood species
- 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 multi-panel 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 due over 13 wood species within various price categories
- High-quality finishing specially for outside application 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
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-s1,d0 According to EN 13501-1
5.0 - 12.0 kg/m²
Moist cloth

OPTIONAL
Acoustic cloth
Black
Colours:
See page 236
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 per wood specie.
- The slat height can be between 35 mm and 120 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 metal dowel. The standard colour is black, other colours are on request.
- Easily and individually demountable.
- Budgetary flexibility due over 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.
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 236
WOOD SPECIES AND FINISHES
An extensive range of wood species is available, ranging from deep warm colours to the light wood tones. Other types of wood possibilities can be looked at on request. Standard, the wood is finishes 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 is determined that is necessary to protect the wood.

WOOD SPECIES

- American White Oak
- Siberian Larch
- Yellow pine
- American Ash
- European Pine
- American Red Oak
- European Oak
- Oregon Pine
- Frake Noir
- Mahogany
- Western Red Cedar
- Jatoba
- Bamboo
Linear metal ceiling systems provide flexible design and simple installation. Designed to withstand high wind loads and the external environment.


**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
**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 = Carrier  
3 = Screw washer  
4 = Reinforcement  
5 = Hanger  
6 = Top fixing  
7 = Panel splice  
8a = Flush joint  
8b = Recessed joint  
9 = Locking clip  
10 = 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

Luxarcote® finish

Plain

**OPTIONAL**

Colours: See page 240

84R only
COLOURS AND FINISHES

Hunter Douglas 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
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

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STANDARD LUXACOTE® PAINT COLOURS 70U

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<tr>
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PANEL 70U/84R

Project: Simplon Apartment House, Budapest, Hungary - Product: Linear Panel Exterior - Architect: T2A Studio Mr Bence Turanyi
The MultiPanel metal ceiling system offers design options by combining the different widths and heights while retaining the ability to withstand wind loads and the exterior environment.

**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 (30B, 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
**TYPICAL ISOMETRICS**

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

**TYPICAL SECTIONS**

**PERFORATION PATTERNS**

**PHYSICAL DATA**

Plain: A2-s1.d0  
30B(X)D: B-s1.d0  
Luxacote® finish

**OPTIONAL**

Colours:  
See page 244
COLOURS AND FINISHES

Hunter Douglas 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.

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 80B AND 30BD

CUSTOM COLOURS

All other paneltypes colours on request.
Project: Ferrari Restaurant, Maranello, Italy - Product: Linear Multipanel Exterior - Architect: M. Visconti
Combining panels in random or predetermined patterns creates exciting closed surfaces that withstand wind loads and the external environment.

**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
**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  
AI: 4.5-5.0 kg/m²  
EN 1191-4

**OPTIONAL**

Colours: See page 248
COLOURS AND FINISHES

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**STANDARD LUXACOTE® PAINT COLOURS**

- 0260 ±RAL 9010
- 0401 ±RAL 9002
- 1660 ±RAL 7015 (75C only)
- 7035 ±RAL 9007 (75C only)
- 7080 ±RAL 9006

**CUSTOM COLOURS**
Project: Lodz University, Lodz, Poland - Product: Multipanel Exterior - Architect: OOA
Designed to withstand external environment and wind loads, the 150F/200F Exterior metal ceiling system is ideal for soffits and facades.

**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
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

OPTIONAL

Colours:
See page 252
COLOURS AND FINISHES

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STANDARD LUXACOTE® PAINT COLOURS

- 0260 ±RAL 9010
- 0401 ±RAL 9002
- 1660 ±RAL 7015
- 7035 ±RAL 9007
- 7080 ±RAL 9006

CUSTOM COLOURS
The slim blades of V100 offer one-way plenum masking while at the same time providing wind load resistance.

Project: Distributie Centrum, Tilburg, the Netherlands - Product: Baffles V100 - Architect: Jeroen Weijers, Van Oers Weijers Architecten

**KEY FEATURES**

- Panel height: 100 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
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

OPTIONAL

Colours:
See page 256
COLOURS AND FINISHES

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</table>

CUSTOM COLOURS
Project: Distributie Centrum, Tilburg, the Netherlands - Product: Baffles V100 - Architect: Jeroen Weijers, Van Oers Weijers Architecten
Designed to withstand wind loads, 300C/300L metal ceiling panels offer a subtle, long span design for exterior ceilings.

**Project:** Mercedes Benz, The Hague, The Netherlands - **Product:** Wide Panel 300L Exterior Ceiling

**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
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

PERFORATION PATTERNS

Plain:

PHYSICAL DATA

Plain: A2-s1,d0
Al: 3.0 kg/m²
EN 1191-1-4

Luxacote® finish

OPTIONAL

Colours:
See page 260
COLOURS AND FINISHES

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PROTECTED BY LUXACOTE®

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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.

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STANDARD LUXACOTE® PAINT COLOURS

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</tbody>
</table>

CUSTOM COLOURS
Project: Kinepolis, Braine, Belgium - Product: Wide Panel 300L Exterior Ceiling
When heavier-duty, accessible metal soffits are required, Exterior Beta Safety-Loop provides an ideal solution.


**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

Production by Hunter Douglas Ceiling Center

A+  
AB C  
E1  
60%
**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**

Plain: A2-s1,d0  
AI: 4.5 kg/m²  
EN 1191-1-4

**OPTIONAL**

Colours:  
See page 264
COLOURS AND FINISHES

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STANDARD PAINT COLOURS

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<td>RAL 9016</td>
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<td>Jet Black</td>
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CUSTOM COLOURS

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ALUMINIUM SUBLIMATED WOOD-LOOK

Sublimated: imprint wood patterns after powder coating. This finish is recommended for interior and exterior conditions.

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<td>Whitewash</td>
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BETA SAFETY-LOOP

EXTERIOR CEILINGS

A cost- and time saving system, that simplifies installation and provides safety and reliability, even when faced with strong wind loads.

*Project: Kinepolis, Braine, Belgium - Product: Wide Panel 300L Exterior Ceiling with suspension system Profix™*

**KEY FEATURES**
- Corrosion resistant construction for enhanced durability
- Applicable with all standard carriers
- Suspension heights 150 - 1250 mm
- adjustable to allow for site tolerances
- Tested on loading capabilities
- Special edge trim construction for easy plenum access
TYPICAL ISOMETRICS
1 = Reinforcement
2 = Hanger
3 = Screw washer
4 = Threaded rod
5 = Top fixing
6 = Non-HD

Spans vary with the applicable wind load

TYPICAL SECTIONS

PHYSICAL DATA
Plain: A1
EN 1191-1-4
Project: NHL Hogeschool, Leeuwarden, The Netherlands
Product: Veneered Wood Wall and Ceiling Tiles, Okoume veneer
Architect: Herman Hertzberger
WALL SYSTEMS

With a 60 year legacy of product innovation, our wall systems lead in design, function and sustainability.
Project: CentrO Oberhausen  
Architect: HPP  
Product: HearFelt® linear Wall

“A VISUALLY ATTRACTIVE AND ACOUSTICALLY EFFECTIVE WALL”

The food court of the largest shopping centre in Germany features a wall of Hunter Douglas Architectural’s innovative and award-winning HearFelt®.

CentrO Oberhausen in Oberhausen, North Rhine-Westphalia, underwent an extensive refurbishment, which included a restructure of the food court - taking it from one to two storeys - to house about 20 restaurants and accommodate 1300 people.

The vision was to enhance the comfort of the space and Hunter Douglas Architectural recommended the world’s first modular and linear felt ceiling and wall system to architect Robert Bönsch, of Cologne-based HPP because he was keen to provide a visually attractive wall covering for the large seating area on the second floor.

The challenge was to create an acoustically effective wall cladding on a rounded wall. When HearFelt® was introduced as a wall system, we devised a solution specifically for curved walls, so it is ideal for this setting.

Hunter Douglas supplied HearFelt® linear panels in various shades of grey, in 70 mm module and panel dimensions of 40 x 55 mm. The curve was created by the use of curved carriers and for added acoustics, an additional acoustic mat in PE foil was mounted behind the panels.
Project: City Office, Hasselt, Belgium
Architect: UAUcollectiv ism, Jaspers-Eyers Architecten
Product: HeartFelt® Linear Wall system
Project: Parly 2, Le Chasney, France
Architect: Saguez & Partners
Product: HeartFelt® Linear Wall systems

WALL SYSTEMS

HEARTFELT® LINEAR 276

SOLID WOOD 280

VENEERED WOOD 286
HeartFelt® is an innovative, patented felt product that turns every wall into a visual and acoustic playground.

**KEY FEATURES**

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

*reddot award 2017*
*best of the best*
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 = Endcaps 40HL55 (Optional)
8 = Endcaps 40HR64 (Optional)
9 = Carrier (curved)
10 = PES wool (34 x 20 D40 kg/m²)

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

TYPICAL HORIZONTAL SECTION

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

PHYSICAL DATA

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<th>Material</th>
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<th>40HL105 M200: 1.3 kg/m²</th>
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Class B
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

ACOUSTICAL RATINGS - $\alpha_w$

Panel 40HL55 and 40HR64

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<td>0.65 (H)</td>
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<td>30</td>
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<td>0.60 (H)</td>
</tr>
<tr>
<td>M80</td>
<td>40</td>
<td>50%</td>
<td>0.50 (H)</td>
</tr>
<tr>
<td>M90</td>
<td>50</td>
<td>55%</td>
<td>0.45 (H)</td>
</tr>
<tr>
<td>M100</td>
<td>60</td>
<td>60%</td>
<td>0.45 (H)</td>
</tr>
</tbody>
</table>
Project: City Office, Hasselt, Belgium - Product: HeartFelt® Linear Wall systems - Architect: UAUcollectiv ism Jaspers-Eyers Architecten
Create a stunning wall feature with an all-natural and sustainable wooden wall solution.

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

KEY FEATURES

- Interior applications
- Three wall solutions: Linear Open, Multi-panel & 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 multi-panel 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
**TYPICAL ISOMETRICS**

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

**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  
- Moist cloth  
- $\alpha_{eq} 0.30 - 0.50$  
- 5.0 - 12.0 kg/m²

**OPTIONAL**

- Acoustic cloth  
  - Black  
  - See page 346  
- Moist cloth  
- Colours:  
  - See page 384  
- Exterior solutions:  
  - See page 232  
- Ceiling solutions:  
  - See page 44
Create a stunning wall feature with the Solid Wood Linear or Grill elements.


**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 per wood specie.
- The slat height can be between 35 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 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. 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
**TYPICAL ISOMETRICS**

1 = Solid Wood Grill panel
2 = Metal dowel
3 = Wall clip
4 = Optional acoustic fleece*

*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**
- **W**
- **Kg**
- **6.0 - 15.0 kg/m²**

**OPTIONAL**

- **Acoustic cloth**
  - Black
  - See page 346
- **Colours:**
  - See page 384
- **Exterior solutions:**
  - See page 234
- **Ceiling solutions:**
  - See page 46

---

Vertical Grill wall application

Horizontal Grill wall application
WOOD SPECIES AND FINISHES

An extensive range of wood species is available, ranging from deep warm colours to the light wood tones. Other types of wood possibilities can be looked at on request. Standard, the wood is finishes 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 is determined that is necessary 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: Christalia 4B, Madrid, Spain - Product: Solid Wood Grill - Architect: Rafael de la Hoz
Create beautiful wall designs with the Veneered Wood Linear individual elements in large projects.

Project: Driestar, Leiden, the Netherlands - Product: Ceiling - Linear cassette - Essen (white wash) - Architect: Roosros architecten

KEY FEATURES

- Interior applications
- MDF core finished with wood veneer
- Multi-panel 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

- Available as individual panels to be installed with screw clips or pre-assembled element to be directly mounted to substructure
- Panel length: 1500 / 1950 / 2400 / 2700 / 3000 mm
- Panel width: 65 / 90 / 120 / 150 / 200 / 230 mm
- Joint width: 5 / 10 / 15 / 20 / 30 mm
- Panel thickness: 17 mm
- Other sizes and dimensions are available upon request
TYPICAL ISOMETRICS

1 = Linear Panel 65 mm
2 = Linear Panel 90 mm
3 = Linear Panel 120 mm
4 = Linear Panel 150 mm
5 = Linear Panel 200 mm
6A = Screw Clip (10 mm Reveal)
6B = Screw Clip (15 mm Reveal)
6C = Screw Clip (20 mm Reveal)
6D = Screw Clip (30 mm Reveal)
7A = HDF strip
8 = Substructure (Non-HD)

Vertical
Linear wall application

Horizontal
Linear wall application

TYPICAL SECTIONS

Horizontal + Vertical Linear wall application

PHYSICAL DATA

B-s2,d0 According to EN 13501-1
Up to $\alpha_w$ 0.50
See page 346
Acoustic cloth
Back
10.0 - 15.0 kg/m²

Moist cloth

OPTIONAL

Colours:
See page 294
Ceiling solutions:
See page 50
VENEERED WOOD GRILL

Create beautiful wall designs with the Veneered Wood Grill elements in large projects.

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: 1200 / 1500 / 1950 / 2400 / 2700 mm
- Element width: varies between 300 to 500 mm
- Slat width: 17 / 25 / 31 / 39 mm
- Slat height: 55 / 62 / 81 / 104 / 143 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

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The mark is responsible forestry
TYPICAL ISOMETRICS
1 = Veneered Wood Grill Element
2 = Wall clip (PVC)

Vertical
Grill wall application

Horizontal
Grill wall application

TYPICAL SECTIONS

PHYSICAL DATA

![Fire rating](#)
B-s2,d0 According to EN 13501-1

![Sound rating](#)
Up to $\alpha_{w} 0.50$
See page 346

![Weight](#)
10.0 - 15.0 kg/m²

![Moisture resistance](#)
Moist cloth

OPTIONAL

![Colours](#)
Colours:
See page 294

![Ceiling solutions](#)
Ceiling solutions:
See page 66
Create beautiful wall designs with the Veneered Wood Wall Panels, to match the ceiling finish.


**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 / 25 / 30 mm open joints
- Joints can be filled with acoustic strip or HDF strip in various colours
- Dimensions: 600 x 600 / 1200 x 600 / 1800 x 600 mm / 2400 x 600 mm / 2780 x 600 mm
- Perforations: Single / Double / Nano perforation patterns
- Other sizes and dimensions are available upon request

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TYPICAL ISOMETRICS

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

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

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

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

PHYSICAL DATA

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

Up to $\alpha_{w} = 0.95$
See page 345-346

10.0 - 15.0 kg/m²

OPTIONAL

Colours:
See page 294

Ceiling solutions:
See page 62
Create beautiful wall designs with the Veneered Wood Wall Panels, to match the ceiling finish.

**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: 128 x 2780 / 256 x 2780 mm
- Panel thickness: 17 mm
- Other sizes and dimensions are available upon request

*Project: Rabobank, Doetinchem, The Netherlands - Product: Topline TLS 13/3, bamboo - Architect: AWG Architecten*
**TYPICAL ISOMETRICS**

1 = Topline Panel 29/3 Module 128 mm  
2 = Screw Clip  
3 = Substructure (non HD)

**TYPICAL SECTIONS**

**PERFORATION PATTERNS**

Standard grooves shown. See page 343 to see all groove patterns. 
Scale 1:1 shown, unless otherwise noted. See page 346 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 2 mm  
  Openness 9%

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

**PHYSICAL DATA**

- Perf: B-s2,d0  
- Moist cloth

- Up to $\alpha_W$ 0.95

- 10.0 - 15.0 kg/m²

**OPTIONAL**

- Colours: See page 294

- Ceiling solutions: See page 74
WOOD SPECIES

Hunter Douglas offers a wide choice of wood species and finishes. As wood is a 100% 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 veneer type shows all the characteristics and intrinsic patterns of the tree, caused by the natural influences during its lifetime, making each veneer unique.

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

Engineered veneers

Engineered Veneer is a type of veneer that is known for their 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 world’s 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.
VENEERED WOOD

WALL SYSTEMS

Project: Amity University Dubai, UAE - Product: Veneered Wood Ceiling and Wall Panels, American Cherry, Nano perforation - Architect: IR Design
Project: Mahler 4, Amsterdam, The Netherlands
Architect: De Architecten Cie
Product: Solid wood linear open sports ceiling
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.
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 new construction of this public swimming pool based on a European tendering procedure with 36 registrations.

The swimming pool complex consists of:
• A new 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.

“A SPECIAL CEILING USED IN A HUMID ENVIRONMENT AND READY FOR IMPACT”
Project: Ronald Mc Donald Centre, Amsterdam, The Netherlands
Architect: FACT Architects
Product: Stretch metal planks sports ceiling
SPORTS CEILINGS

HEARTFELT® LINEAR 304
SOLID WOOD 308
VENEERED WOOD 314
70U 320
BETA SAFETY-LOOP 324
GAMMA 328

Project: Cluj Arena, Cluj Napoca, Romania
Architect: Dico Tiganas Architects
Product: Linear V100-V200 sports ceiling
HeartFelt® is an innovative, patented felt product with excellent acoustic properties and ready for impact in any sports environment.

**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

**reddot award 2017**
*best of the best*
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 344 for acoustic performance information

PHYSICAL DATA

<table>
<thead>
<tr>
<th>Class</th>
<th>Varies with colour</th>
</tr>
</thead>
<tbody>
<tr>
<td>B-s1.d0</td>
<td>40HL55 M50: $\alpha_W = 0.70$ m$^2$ (H)</td>
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<tr>
<td>40HL55 M50: 4.6 kg/m$^3$</td>
<td></td>
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</table>

FOOTBALL FRAMEWORK® - LINEAR

Class 1A

OPTIONAL

Colours: See page 306
Wall application see page 276
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

ACOUSTICAL RATINGS - $\alpha_w$

Panel 40HL55

<table>
<thead>
<tr>
<th>Module (mm)</th>
<th>Joint (mm)</th>
<th>Openness %</th>
<th>$\alpha_w$</th>
</tr>
</thead>
<tbody>
<tr>
<td>M60</td>
<td>20</td>
<td>33%</td>
<td>0.65 (H)</td>
</tr>
</tbody>
</table>
SOLID WOOD
LINEAR INDIVIDUAL

Our specially designed Solid Wood ceilings are tested and certified in accordance with the highest standards for sport facilities or swimming pools.

KEY FEATURES

- Sport hall applications, certified according to DIN 18032 Part 3 and EN 13964 Annex D
- Three ceiling solutions: Linear Open, Multi-panel & 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 multi-panel 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 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
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
αw = 0.30 - 0.50
See page 346
Mass per unit area = 5.0 - 12.0 kg/m²

OPTIONAL

Acoustic cloth
Black

Colours:
See page 312

Wall solutions:
See page 280
Our specially designed Solid Wood ceilings are tested and certified in accordance with the highest standards for sport facilities or swimming pools.

**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 35 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 due 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.
- 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
**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_v 0.30 - 0.50  
Moist cloth  
Class 1A  
5.0 - 12.0 kg/m²

**OPTIONAL**

Acoustic cloth  
Black  
Colours: See page 312  
Wall solutions: See page 282
WOOD SPECIES AND FINISHES
An extensive range of wood species is available, ranging from deep warm colours to the light wood tones. Other types of wood possibilities can be looked at on request. Standard, the wood is finishes 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 is determined that is necessary 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
SOLID WOOD

The Veneered Wood Linear system is tested and approved for use in sport halls.

Project: Sports hall, Amersfoort, The Netherlands - Product: Veneered Wood Linear

### KEY FEATURES
- Interior Sports Hall applications
- Certified for safety against ball throwing DIN 18032 Class 1A
- MDF core with a wooden top layer
- Multi-panel 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: 1500 / 1950 / 2400 / 2700mm / 3000 mm
- Panel width: 65 / 90 / 120 / 150 / 200 / 230 mm
- Joint width: 5 / 10 / 15 / 20 / 30 mm
- Panel thickness: 17 mm
- Other sizes and dimensions are available upon request
TYPICAL ISOMETRICS

1 = Veneered Wood Linear panel
2 = Turn clip
3 = Main runner
4 = Cross runner
5 = Nonius hanger

PHYSICAL DATA

- Acoustic cloth
- Moist cloth
- Class 1A
- Up to $\alpha_w$ 0.50
- See page 346

OPTIONAL

- Colours: See page 318
- Wall solutions: See page 286

Physical data:

- Kg: 10.0 - 15.0 kg/m²

Materials:

- Acoustic cloth
- Moist cloth
- Class 1A
- Colours
- Wall solutions
The Veneered Wood Grill system gives a sports hall a good acoustic ambiance and is prepared for impact.


**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: 1200 / 1500 / 1950 / 2400 / 2700 mm
- Element width: varies between 300 to 500 mm
- Slat width: 17 / 25 / 31 / 39 mm
- Slat height: 55 / 62 / 81 / 104 / 143 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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The mark is

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EN 13962

EI

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

PHYSICAL DATA

Plain: B-s2,d0
Moist cloth
Up to $\alpha_w 0.50$
Acoustic cloth
10.0 - 15.0 kg/m²
Back

OPTIONAL

Colours:
See page 318

Wall solutions:
See page 288
WOOD SPECIES

Hunter Douglas offers a wide choice of wood species and finishes. As wood is a 100% 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 veneer type shows all the characteristics and intrinsic patterns of the tree, caused by the natural influences during its lifetime, making each veneer unique.

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

Engineered veneers

Engineered Veneer is a type of veneer that is known for their 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 world’s 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.
When you need to make an impact, 70U Linear metal ceiling system is the obvious choice.

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
**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**

Physics data:  
Plain: A2-s1,d0  
Up to $\alpha_w 0.50$  
AI: 7.1 kg/m²  
Moist cloth  
Class 1A

Optional:  
Colours: See page 322  
Curved solutions: See page 202  
Exterior solutions: See page 238
COLOURS AND FINISHES

Hunter Douglas 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.

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 PAINT COLOURS

0280
±RAL 9010
An acoustic, accessible, versatile ceiling system that can take a punch.

Project: Pepsi Arena Legia Football Stadium, Warsaw, Poland - Product: Stretch Metal Beta (Safety-Loop) - Architect: JSK

KEY FEATURES

- Panel sizes 900 x 1940 mm
- Square-edge design
- Mesh panels with lay-on pads for acoustic control
- Tested on ball impact resistance
- 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 = Locking plate with screw  
4 = Threaded rod  
5 = Suspension element

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

TYPICAL SECTIONS

MESH PATTERN

Scale 1:2

LD28 Moscow (Fe)

PHYSICAL DATA

Class A1 according EN 13501-1  
$\alpha_w = 0.55-1.00$  
10.0 - 15.0 kg/m²  
Varies with finish

Class B  
Moist cloth

OPTIONAL

Colours:  
See page 326

Exterior solutions:  
See page 262
COLOURS AND FINISHES

Hunter Douglas 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
- Traffic White RAL 9016
- Pure White RAL 9010
- White Aluminium RAL 9006
- Jet Black RAL 9005

CUSTOM COLOURS
Project: Pepsi Arena Legia Football Stadium, Warsaw, Poland - Product: Stretch Metal Beta (Safety-Loop) - Architect: JSK
Impact resistance, acoustic performance, accessibility, compatibility, all combined in one versatile package: Gamma Sports Hall Ceiling.

**KEY FEATURES**

- Panel sizes 300 x 1800 mm
- Square-edge design
- Mesh panels with lay-on pads for acoustic control
- Tested on ball impact resistance
- 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 = Lay-On Plank  
2 = Omega profile  
3 = Locking bracket  
4 = Profix™ suspension

Maximum spans primary grid 1200 mm  
Maximum cantilevers 300 mm

**TYPICAL SECTIONS**

Scale 1:2

**MESH PATTERN**

Scale 1:2

LD28 Moscow (Fe)

**PHYSICAL DATA**

Class A1 according EN 13501-1  
$\alpha_w = 0.55-1.00$  
Depends on Meshtype  
Varies with finish

Class B  
Moist cloth

**OPTIONAL**

Colours:  
See page 330
COLOURS AND FINISHES

Hunter Douglas 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
- Traffic White RAL 9016
- Pure White RAL 9010
- White Aluminium RAL 9006
- Jet Black RAL 9005

CUSTOM COLOURS
Project: Ronald McDonald Centre, Amsterdam, The Netherlands - Product: Stretch Metal Gamma (Sports Hall) - Architect: FACT Architects
Project: Ronald McDonald Centre, Amsterdam, The Netherlands - Product: Stretch Metal Gamma (Sports Hall) - Architect: FACT Architects
Project: Sports hall, Amersfoort, The Netherlands
Product: Veneered wood linear
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.
Project: De Rotterdam, The Netherlands
Architect: OMA Rem Koolhaas
Product: Cell40 ceiling
RESOURCES

BIM 340

PERFORATION PATTERNS 342

ACOUSTIC TEST RESULTS 344

SUSTAINABILITY 350
BIM CAPABLE

Collaboration starts with Hunter Douglas.

Hunter Douglas Ceilings offer a comprehensive REVIT file library for BIM requirements, with resources that support the entire project, from design development, to working drawings, to preconstruction and construction, all the way through to ongoing operations and maintenance.
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

#### Planks

<table>
<thead>
<tr>
<th>Pattern</th>
<th>Openness</th>
<th>Diameter (mm)</th>
<th>Thickness (mm)</th>
<th>Weight (kg/m²)</th>
<th>Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>D1522</td>
<td>22%</td>
<td>Ø 1.5 mm</td>
<td>3</td>
<td>3.2</td>
<td>12 x 9.5</td>
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<tr>
<td>D2022</td>
<td>22%</td>
<td>Ø 2 mm</td>
<td>5</td>
<td>4.2</td>
<td>6 x 4.5</td>
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<td>R1511</td>
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<td>Ø 1.5 mm</td>
<td>4</td>
<td>3.2</td>
<td>10 x 7.0</td>
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<tr>
<td>R2011</td>
<td>11%</td>
<td>Ø 2 mm</td>
<td>5</td>
<td>4.2</td>
<td>8 x 6.0</td>
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<tr>
<td>R2516</td>
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<td>Ø 2.5 mm</td>
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#### Wide Panel

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<th>Dimensions</th>
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<td>8 x 6.0</td>
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<tr>
<td>LS16</td>
<td>46%</td>
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<td>6 x 4.5</td>
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<tr>
<td>LS20</td>
<td>36%</td>
<td>Ø 1.5 mm</td>
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<td>4.2</td>
<td>6 x 4.5</td>
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#### Tiles and TAVOLA™

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<th>Thickness (mm)</th>
<th>Weight (kg/m²)</th>
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<td>A5x25R</td>
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<tr>
<td>A5x50R</td>
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<td>6 x 4.5</td>
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#### Linear

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<th>Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>D1523</td>
<td>23%</td>
<td>Ø 1.5 mm</td>
<td>3</td>
<td>3.2</td>
<td>12 x 9.5</td>
</tr>
<tr>
<td>D1023</td>
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### Stretch Metal

#### Square Mesh Collection

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<th>Dimensions</th>
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</thead>
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<tr>
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<td>36%</td>
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<td>LS10</td>
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#### Diamond Mesh Collection

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<th>Thickness (mm)</th>
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<th>Dimensions</th>
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</thead>
<tbody>
<tr>
<td>LD10</td>
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<tr>
<td>LD16</td>
<td>45%</td>
<td>Ø 2 mm</td>
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<td>4.1</td>
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#### Diamond Special Mesh Collection

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<tr>
<td>LD28</td>
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<td>Ø 2 mm</td>
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<td>6 x 4.5</td>
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<tr>
<td>LD43</td>
<td>60%</td>
<td>Ø 2 mm</td>
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<td>4.1</td>
<td>6 x 4.5</td>
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<td>36%</td>
<td>Ø 2 mm</td>
<td>5</td>
<td>4.1</td>
<td>6 x 4.5</td>
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</tbody>
</table>

For stretch metal in aluminium contact our sales unit.
**WOOD CEILINGS**

**Veneered Wood Tiles & Panels**

**Single perforations - Regular (Scale 1:5)**

- R6008 Ø 6 mm Openness 8%
- R7015 Ø 7 mm Openness 15%
- R8020 Ø 8 mm Openness 20%
- R8005 Ø 8 mm Openness 5%
- R9006 Ø 9 mm Openness 6%
- R10008 Ø 10 mm Openness 8%

**Single perforations - Irregular (Scale 1:5)**

- D8005 Ø 8 mm Openness 5%
- D9006 Ø 9 mm Openness 6%
- D10008 Ø 10 mm Openness 8%
- D9003 Ø 9 mm Openness 3%
- D10004 Ø 10 mm Openness 4%

**Double perforations - Regular (Scale 1:5)**

- R1501A Ø 1.5 mm Openness 3%
- R2005A Ø 2 mm Openness 5%
- R3003A Ø 3 mm Openness 3%
- R5008 Ø 5 mm Openness 8%
- R7015B Ø 7 mm Openness 15%

**Nano perforations (Scale 1:1)**

- D5050A Ø 0.5 mm Regular Openness 5%

**Slotted perforation (Scale 1:20)**

- R9724S WxH 97/8 mm Regular Openness 24%
- R9718S WxH 97/8 mm Regular Openness 18%
- R9711S WxH 97/8 mm Regular Openness 11%
- D9724S WxH 97 mm Regular Openness 24%
- D9711S WxH 97 mm Regular 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 3 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%
SOUND ABSORPTION (\(\alpha_W\)) 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

<table>
<thead>
<tr>
<th>(\alpha_W)</th>
<th>Sound absorption class</th>
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<tbody>
<tr>
<td>1.00 - 0.95 - 0.90</td>
<td>A</td>
</tr>
<tr>
<td>0.85 - 0.80</td>
<td>B</td>
</tr>
<tr>
<td>0.75 - 0.70 - 0.65 - 0.60</td>
<td>C</td>
</tr>
<tr>
<td>0.55 - 0.50 - 0.45 - 0.40 - 0.35 - 0.30</td>
<td>D</td>
</tr>
<tr>
<td>0.25 - 0.20 - 0.15</td>
<td>E</td>
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<tr>
<td>0.10 - 0.05 - 0.00</td>
<td>Not classified</td>
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</table>

Report: Peutz A 3038-1E-RA-001

<table>
<thead>
<tr>
<th>Panel type</th>
<th>Linear Ceiling</th>
<th>Joint</th>
<th>Lay-On pad</th>
<th>Module</th>
<th>Perforation</th>
<th>NW</th>
<th>Mounting</th>
<th>125 Hz</th>
<th>250 Hz</th>
<th>500 Hz</th>
<th>1000 Hz</th>
<th>2000 Hz</th>
<th>4000 Hz</th>
<th>(\alpha_W)</th>
<th>NRC</th>
<th>Class</th>
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</thead>
<tbody>
<tr>
<td>40HL55 / 40HR64</td>
<td>open</td>
<td>-</td>
<td>50</td>
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<td>40HL55 / 40HR64</td>
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<td>D</td>
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<tr>
<td>40HL55 / 40HR64</td>
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Report: Peutz A 3211-1E-RA-001

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<th>Lay-On pad</th>
<th>Module</th>
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<th>(\alpha_W)</th>
<th>NRC</th>
<th>Class</th>
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Report: Peutz A 3523-2E-RA-001

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<th>250 Hz</th>
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Report: Peutz A 3586-4E-RA-001

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### HEARTFELT® LINEAR WALL

**Report: Peutz A 3723-2E-Ra-001**

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### HEARTFELT® BAFFLES

**Report: Peutz A 3586-5E-RA-001**

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### VENEERED WOOD TILES AND PANELS

**Report: Peutz A 3625-2E-RA-001**

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<th>$\alpha_w$</th>
<th>NRC</th>
<th>Class</th>
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**Report: Peutz A 2513-3E-NO**

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### Veneered Wood Tiles and Panels

**Report: Peutz A 1346-1E-RA**

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**Report: Peutz A 2827-1E-RA**

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**Report: Peutz A 1553-3E**

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<th>125 Hz</th>
<th>250 Hz</th>
<th>500 Hz</th>
<th>1000 Hz</th>
<th>2000 Hz</th>
<th>4000 Hz</th>
<th>(\alpha_w)</th>
<th>NRC</th>
<th>Class</th>
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</thead>
<tbody>
<tr>
<td>Double</td>
<td>Mineral wool 50 mm R1503A</td>
<td>-</td>
<td>√</td>
<td>E200</td>
<td>0.64</td>
<td>0.84</td>
<td>0.71</td>
<td>0.55</td>
<td>0.35</td>
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<td>(LM)</td>
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<tr>
<td>Double</td>
<td>Mineral wool 50 mm R1503A</td>
<td>-</td>
<td>√</td>
<td>E60</td>
<td>0.38</td>
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<td>0.55</td>
<td>0.32</td>
<td>0.22</td>
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### Veneered Wood Topline

**Report: Peutz A 1553-3E**

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<th>NRC</th>
<th>Class</th>
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<tbody>
<tr>
<td>Topline TLS 6/2</td>
<td>Mineral wool 50 mm √</td>
<td>E200 0.46 0.87 0.97</td>
<td>0.93 0.89 0.75</td>
<td>0.90 0.95</td>
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<tr>
<td>Topline TLS 14/2</td>
<td>Mineral wool 50 mm √</td>
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<td>Mineral wool 50 mm √</td>
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<td>0.92 0.84 0.69</td>
<td>0.85 0.90</td>
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<tr>
<td>Topline TLS 13/3</td>
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<tr>
<td>Topline TLS 28/4</td>
<td>Mineral wool 50 mm √</td>
<td>E200 0.46 0.74 0.73</td>
<td>0.61 0.42 0.31</td>
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**Report: Peutz A 3806-2E-RA-001**

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<th>4000 Hz</th>
<th>(\alpha_w)</th>
<th>NRC</th>
<th>Class</th>
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<tr>
<td>Topline TLS 29/3</td>
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<td>E200 0.45 0.67 0.60</td>
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### Solid Wood & Veneered Wood Linear

**Report: Peutz A 3806-2E-RA-001**

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<th>Module</th>
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<tr>
<td>Wood Linear 65 x 17 mm</td>
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<td>70</td>
<td>E200 0.07 0.18 0.13</td>
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<tr>
<td>Wood Linear 150 x 17 mm</td>
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<td>NW strips 2 mm</td>
<td>180</td>
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### Solid Wood & Veneered Wood Grill

**Report: Peutz A 3806-2E-RA**

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<th>(\alpha_w)</th>
<th>NRC</th>
<th>Class</th>
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</thead>
<tbody>
<tr>
<td>Wood Grill 6-33-17-46</td>
<td>3 mm</td>
<td>E200 0.09 0.23 0.34</td>
<td>0.30 0.40 0.45</td>
<td>0.35 0.32</td>
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<td>Wood Grill 6-33-17-46</td>
<td>3 mm</td>
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<td>Wood Grill 3-88-31-119</td>
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**METAL PLANKS**

Report: Peutz A 2600-1E-RA-001

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<th>2000 Hz</th>
<th>4000 Hz</th>
<th>$\alpha_w$</th>
<th>NRC Class</th>
</tr>
</thead>
<tbody>
<tr>
<td>670 x 1500 mm</td>
<td>-</td>
<td>R3.0U6.4x6.4 (R316)</td>
<td>√</td>
<td>E400</td>
<td>0.53</td>
<td>0.73</td>
<td>0.64</td>
<td>0.70</td>
<td>0.76</td>
<td>0.70</td>
<td>0.70 (L)</td>
</tr>
<tr>
<td>670 x 1500 mm</td>
<td>40 mm</td>
<td>R3.0U6.4x6.4 (R316)</td>
<td>√</td>
<td>E400</td>
<td>0.61</td>
<td>0.80</td>
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Report: Peutz A 1647-1E-RA

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<th>NW Mounting</th>
<th>125 Hz</th>
<th>250 Hz</th>
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<th>1000 Hz</th>
<th>2000 Hz</th>
<th>4000 Hz</th>
<th>$\alpha_w$</th>
<th>NRC Class</th>
</tr>
</thead>
<tbody>
<tr>
<td>600 x 1200 mm</td>
<td>40 mm</td>
<td>R1.5Z4.0x4.0 (D1522)</td>
<td>√</td>
<td>E200</td>
<td>0.47</td>
<td>0.80</td>
<td>0.94</td>
<td>0.88</td>
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**TILES**

Report: CSI_0129-A-DC-ACU-08

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<th>250 Hz</th>
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<th>2000 Hz</th>
<th>4000 Hz</th>
<th>$\alpha_w$</th>
<th>NRC Class</th>
</tr>
</thead>
<tbody>
<tr>
<td>600 x 600 mm - R1.5T3 (D1522)</td>
<td>√</td>
<td>E300</td>
<td>0.35</td>
<td>0.65</td>
<td>0.50</td>
<td>0.55</td>
<td>0.55 (L)</td>
<td>0.55</td>
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Report: CSI_0129-B-DC-ACU-08rev01

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<th>250 Hz</th>
<th>500 Hz</th>
<th>1000 Hz</th>
<th>2000 Hz</th>
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<th>$\alpha_w$</th>
<th>NRC Class</th>
</tr>
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<tr>
<td>600 x 600 mm - D222</td>
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<td>0.55 (L)</td>
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Report: CSI_0129-C-DC-ACU-08

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<th>250 Hz</th>
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<th>1000 Hz</th>
<th>2000 Hz</th>
<th>4000 Hz</th>
<th>$\alpha_w$</th>
<th>NRC Class</th>
</tr>
</thead>
<tbody>
<tr>
<td>600 x 600 mm - R2516</td>
<td>√</td>
<td>E300</td>
<td>0.35</td>
<td>0.70</td>
<td>0.55</td>
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<td>0.55 (L)</td>
<td>0.55</td>
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Report: CSI_0129-C-DC-ACU-08

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<th>Panel type Clip-In</th>
<th>Lay-In pad</th>
<th>Perforation</th>
<th>NW Mounting</th>
<th>125 Hz</th>
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<th>1000 Hz</th>
<th>2000 Hz</th>
<th>4000 Hz</th>
<th>$\alpha_w$</th>
<th>NRC Class</th>
</tr>
</thead>
<tbody>
<tr>
<td>600 x 600 mm - R2516 / 100 blind</td>
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<td>E300</td>
<td>0.40</td>
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Report: Peutz A 2720-1E-RA-002

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<th>NW Mounting</th>
<th>125 Hz</th>
<th>250 Hz</th>
<th>500 Hz</th>
<th>1000 Hz</th>
<th>2000 Hz</th>
<th>4000 Hz</th>
<th>$\alpha_w$</th>
<th>NRC Class</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clip-In 600 x 600</td>
<td>-</td>
<td>R1.85U4x4 (P258)</td>
<td>√</td>
<td>E200</td>
<td>0.25</td>
<td>0.61</td>
<td>0.82</td>
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<td>0.67</td>
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</tr>
<tr>
<td>Clip-In 600 x 600</td>
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<td>R1.85U4x4 (P258)</td>
<td>√</td>
<td>E200</td>
<td>0.41</td>
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Report: Peutz A 1818-1E-RA

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<th>250 Hz</th>
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<th>1000 Hz</th>
<th>2000 Hz</th>
<th>4000 Hz</th>
<th>$\alpha_w$</th>
<th>NRC Class</th>
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</thead>
<tbody>
<tr>
<td>600 x 600 mm - R2.5T6.8 (R2516)</td>
<td>√</td>
<td>E400</td>
<td>0.57</td>
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<td>0.74</td>
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<tr>
<td>600 x 600 mm - R1.5Z4.0x4.0 (D1522)</td>
<td>√</td>
<td>E400</td>
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<td>0.80</td>
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**STRETCH METAL**

Report: Giordano 149594

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<th>2000 Hz</th>
<th>4000 Hz</th>
<th>$\alpha_w$</th>
<th>NRC Class</th>
</tr>
</thead>
<tbody>
<tr>
<td>800 x 800 mm - LS8/ O8</td>
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<td>0.60</td>
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### STRETCH METAL

**Report: Giordano 149595**

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<th>NW</th>
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<th>125 Hz</th>
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<th>1000 Hz</th>
<th>2000 Hz</th>
<th>4000 Hz</th>
<th>α_w</th>
<th>NRC Class</th>
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<tbody>
<tr>
<td>600 x 600 mm</td>
<td>25 mm D24</td>
<td>LD6/ R6</td>
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<td>E300</td>
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**Report: Giordano 149596**

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<th>NW</th>
<th>Mounting</th>
<th>125 Hz</th>
<th>250 Hz</th>
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<th>1000 Hz</th>
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<th>4000 Hz</th>
<th>α_w</th>
<th>NRC Class</th>
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</thead>
<tbody>
<tr>
<td>600 x 600 mm</td>
<td>25 mm D24</td>
<td>LS8/ Q8</td>
<td>-</td>
<td>E300</td>
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<td>0.80</td>
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**Report: Giordano 149597**

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<th>125 Hz</th>
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<th>1000 Hz</th>
<th>2000 Hz</th>
<th>4000 Hz</th>
<th>α_w</th>
<th>NRC Class</th>
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<tr>
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<td>85 mm D24</td>
<td>LS10/ Q10</td>
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### WIDE PANEL

**Report: TPD-HAG-RPT-940037**

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<th>500 Hz</th>
<th>1000 Hz</th>
<th>2000 Hz</th>
<th>4000 Hz</th>
<th>α_w</th>
<th>NRC Class</th>
</tr>
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<tbody>
<tr>
<td>300C</td>
<td>-</td>
<td>300</td>
<td>R1.5T3 (D1522)</td>
<td>√</td>
<td>E400</td>
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<td>0.74</td>
<td>0.76</td>
<td>0.78</td>
<td>0.75 (L)</td>
</tr>
<tr>
<td>300C</td>
<td>25 mm</td>
<td>300</td>
<td>R1.5T3 (D1522)</td>
<td>√</td>
<td>E400</td>
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<td>0.81</td>
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<td>0.77</td>
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<td>0.79</td>
<td>0.75 (L)</td>
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<tr>
<td>300C</td>
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<td>0.84</td>
<td>0.96</td>
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**Report: Peutz AT 1223-1**

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<th>Perforation</th>
<th>NW</th>
<th>Mounting</th>
<th>125 Hz</th>
<th>250 Hz</th>
<th>500 Hz</th>
<th>1000 Hz</th>
<th>2000 Hz</th>
<th>4000 Hz</th>
<th>α_w</th>
<th>NRC Class</th>
</tr>
</thead>
<tbody>
<tr>
<td>300C</td>
<td>50 mm</td>
<td>300</td>
<td>R1.5T3 (D1522)</td>
<td>√</td>
<td>E200</td>
<td>0.67</td>
<td>0.85</td>
<td>0.89</td>
<td>0.91</td>
<td>0.92</td>
<td>0.86</td>
<td>0.90</td>
</tr>
<tr>
<td>300C</td>
<td>50 mm</td>
<td>300</td>
<td>R1.5T3 (D1522)</td>
<td>√</td>
<td>E400</td>
<td>0.67</td>
<td>0.76</td>
<td>0.84</td>
<td>0.96</td>
<td>0.94</td>
<td>0.87</td>
<td>0.95</td>
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### BAFFLES

**Report: Peutz A 3144-1E-RA-001**

<table>
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<tr>
<th>Panel type</th>
<th>Infill Module</th>
<th>Perforation</th>
<th>NW</th>
<th>Mounting</th>
<th>125 Hz</th>
<th>250 Hz</th>
<th>500 Hz</th>
<th>1000 Hz</th>
<th>2000 Hz</th>
<th>4000 Hz</th>
<th>α_w</th>
<th>NRC Class</th>
</tr>
</thead>
<tbody>
<tr>
<td>30 x 200 mm</td>
<td>-</td>
<td>150</td>
<td>R1.5T3 (D1522)</td>
<td>√</td>
<td>E0</td>
<td>0.17</td>
<td>0.42</td>
<td>0.44</td>
<td>0.48</td>
<td>0.61</td>
<td>0.64</td>
<td>0.50 (H)</td>
</tr>
<tr>
<td>30 x 200 mm</td>
<td>-</td>
<td>200</td>
<td>R1.5T3 (D1522)</td>
<td>√</td>
<td>E0</td>
<td>0.17</td>
<td>0.37</td>
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<td>0.47</td>
<td>0.52</td>
<td>0.50</td>
</tr>
<tr>
<td>30 x 200 mm</td>
<td>-</td>
<td>300</td>
<td>R1.5T3 (D1522)</td>
<td>√</td>
<td>E0</td>
<td>0.16</td>
<td>0.35</td>
<td>0.39</td>
<td>0.33</td>
<td>0.41</td>
<td>0.43</td>
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<td>30 x 200 mm</td>
<td>-</td>
<td>400</td>
<td>R1.5T3 (D1522)</td>
<td>√</td>
<td>E0</td>
<td>0.17</td>
<td>0.39</td>
<td>0.43</td>
<td>0.43</td>
<td>0.55</td>
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<td>0.40</td>
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<tr>
<td>30 x 200 mm</td>
<td>-</td>
<td>200</td>
<td>R1.5T3 (D1522)</td>
<td>√</td>
<td>E200</td>
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<td>0.32</td>
<td>0.32</td>
<td>0.48</td>
<td>0.61</td>
<td>0.66</td>
<td>0.40 (H)</td>
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### CELL

**Report: Peutz A1106-1E**

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<th>Panel type</th>
<th>Lay-In pad Module Perforation</th>
<th>NW</th>
<th>Mounting</th>
<th>125 Hz</th>
<th>250 Hz</th>
<th>500 Hz</th>
<th>1000 Hz</th>
<th>2000 Hz</th>
<th>4000 Hz</th>
<th>α_w</th>
<th>NRC Class</th>
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<tbody>
<tr>
<td>Cell40</td>
<td>-</td>
<td>50</td>
<td>R1.0T2 (D1023)</td>
<td>√</td>
<td>E200</td>
<td>0.05</td>
<td>0.14</td>
<td>0.24</td>
<td>0.30</td>
<td>0.49</td>
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</tr>
<tr>
<td>Cell40</td>
<td>-</td>
<td>100</td>
<td>R1.0T2 (D1023)</td>
<td>√</td>
<td>E200</td>
<td>0.04</td>
<td>0.10</td>
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<td>0.22</td>
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<td>Cell40</td>
<td>-</td>
<td>200</td>
<td>R1.0T2 (D1023)</td>
<td>√</td>
<td>E200</td>
<td>0.02</td>
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<td>0.12</td>
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**Report: Peutz A 3729-2E-RA-001**

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<th>Panel type</th>
<th>Lay-In pad Module Perforation</th>
<th>NW</th>
<th>Mounting</th>
<th>125 Hz</th>
<th>250 Hz</th>
<th>500 Hz</th>
<th>1000 Hz</th>
<th>2000 Hz</th>
<th>4000 Hz</th>
<th>α_w</th>
<th>NRC Class</th>
</tr>
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<tbody>
<tr>
<td>Cell40</td>
<td>Akopol 25 mm D85</td>
<td>100</td>
<td>-</td>
<td>-</td>
<td>E200</td>
<td>0.23</td>
<td>0.61</td>
<td>0.84</td>
<td>0.81</td>
<td>0.81</td>
<td>0.85</td>
</tr>
<tr>
<td>Cell40</td>
<td>Akopol 25 mm D70</td>
<td>100</td>
<td>-</td>
<td>-</td>
<td>E200</td>
<td>0.24</td>
<td>0.64</td>
<td>0.88</td>
<td>0.82</td>
<td>0.82</td>
<td>0.86</td>
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LINEAR
Report: Peutz A 1846-1E
250
Hz
0.23

500
Hz
0.70

1000
Hz
0.91

2000
Hz
0.77

aw
4000
Hz
0.82 0.55 (MH)

NRC

Class

E0

125
Hz
0.06

0.65

D

E100

0.06

0.26

0.69

0.74

0.80

0.87

0.55 (H)

0.65

D

√

E400

0.15

0.23

0.46

0.76

0.90

0.91

0.50 (MH)

0.60

D

R1.0T2 (D1022)

√

E400

0.17

0.27

0.35

0.55

0.69

0.71

0.45 (H)

0.45

D

R1.0T2 (D1022)

√

E400

0.55

0.69

0.57

0.73

0.85

0.80

0.65 (LH)

0.70

C

250
Hz
0.27

500
Hz
0.69

1000
Hz
0.74

2000
Hz
0.78

4000
Hz
0.88

Panel type
Linear

Joint

Infill

Module

Perforation

NW

30BD

open

√

50

R1.0T2 (D1022)

√

30BD

open

√

50

R1.0T2 (D1022)

√

30BD

open

√

50

R1.0T2 (D1022)

30BD

open

-

50

30BD

closed

-

50

Mounting

Report: Peutz A 2025-2E-RA
Panel type Joint
Linear

Infill

Module

Perforation

NW

Mounting

aw

30BD

open

√

50

R1.5T3 (D1522)

√

E200

125
Hz
0.10

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

Perforation

NW

Mounting

250
Hz
0.36

500
Hz
0.57

1000
Hz
0.50

2000
Hz
0.67

4000
Hz
0.85

aw

NRC

Class
D

NRC Class

Report: Peutz A 2558-1E-RA
Panel type
Linear

Joint

Infill

Module

30BXD

open

-

50

R1.5T3 (D1522)

√

E200

125
Hz
0.08

0.55 (H)

0.50

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

Perforation

NW

Mounting

250
Hz
0.67

500
Hz
0.87

1000
Hz
0.67

2000
Hz
0.78

4000
Hz
0.73

aw

NRC

Class

Report: Peutz A 2760-1E-RA-001
Panel type
Linear

Joint

Module

75C

-

75

R1.5T3 (D1522)

√

E200

125
Hz
0.26

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

125
Hz
0.30

250
Hz
0.37

500
Hz
0.65

1000
Hz
0.80

2000
Hz
0.87

4000
Hz
0.90

125
Hz
0.89

250
Hz
0.92

500
Hz
0.82

1000
Hz
0.78

2000
Hz
0.59

4000
Hz
0.42

Report: Peutz A 2564-2-RA-001
Panel type Joint
Linear
ICC panel

open

Infill

Module

Perforation

NW

Mounting

35 x 150

100

R1.5T3 (D1522)

√

E600

aw
0.65 (H)

NRC Class
0.70

C

Report: Peutz MA82
Panel type Joint
Linear

Infill

Module

Perforation

NW

Mounting

70U

PI365

100

-

-

E200

open

aw
-

NRC Class
0.78

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|

C

349

R ES O U R C ES

ACOUSTIC TEST RESULTS


# LINEAR

Report: Peutz A 2760-2E-RA-001

<table>
<thead>
<tr>
<th>Panel type</th>
<th>Joint</th>
<th>Lay-On pad</th>
<th>Module</th>
<th>Perforation</th>
<th>NW</th>
<th>Mounting</th>
<th>125 Hz</th>
<th>250 Hz</th>
<th>500 Hz</th>
<th>1000 Hz</th>
<th>2000 Hz</th>
<th>4000 Hz</th>
<th>$\alpha_w$</th>
<th>NRC Class</th>
</tr>
</thead>
<tbody>
<tr>
<td>80B closed</td>
<td>-</td>
<td>100</td>
<td>R1.5T3 (D1522)</td>
<td>✓</td>
<td>E400</td>
<td>0.40</td>
<td>0.67</td>
<td>0.63</td>
<td>0.71</td>
<td>0.77</td>
<td>0.68</td>
<td>0.70</td>
<td>0.70</td>
<td>C</td>
</tr>
<tr>
<td>130B closed</td>
<td>-</td>
<td>150</td>
<td>R1.5T3 (D1522)</td>
<td>✓</td>
<td>E400</td>
<td>0.42</td>
<td>0.68</td>
<td>0.63</td>
<td>0.70</td>
<td>0.77</td>
<td>0.70</td>
<td>0.70</td>
<td>0.70</td>
<td>C</td>
</tr>
<tr>
<td>180B closed</td>
<td>-</td>
<td>200</td>
<td>R1.5T3 (D1522)</td>
<td>✓</td>
<td>E400</td>
<td>0.41</td>
<td>0.69</td>
<td>0.62</td>
<td>0.71</td>
<td>0.78</td>
<td>0.70</td>
<td>0.70</td>
<td>0.70</td>
<td>C</td>
</tr>
<tr>
<td>80B closed</td>
<td>40 mm</td>
<td>100</td>
<td>R1.5T3 (D1522)</td>
<td>✓</td>
<td>E400</td>
<td>0.49</td>
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<td>0.91</td>
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<td>0.92</td>
<td>A</td>
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<tr>
<td>130B closed</td>
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<td>150</td>
<td>R1.5T3 (D1522)</td>
<td>✓</td>
<td>E400</td>
<td>0.47</td>
<td>0.77</td>
<td>0.83</td>
<td>0.88</td>
<td>0.86</td>
<td>0.75</td>
<td>0.85</td>
<td>0.84</td>
<td>B</td>
</tr>
<tr>
<td>180B closed</td>
<td>40 mm</td>
<td>200</td>
<td>R1.5T3 (D1522)</td>
<td>✓</td>
<td>E400</td>
<td>0.45</td>
<td>0.74</td>
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<td>0.88</td>
<td>0.87</td>
<td>0.79</td>
<td>0.90</td>
<td>0.83</td>
<td>A</td>
</tr>
<tr>
<td>180B open</td>
<td>40 mm</td>
<td>200</td>
<td>R1.5T3 (D1522)</td>
<td>✓</td>
<td>E400</td>
<td>0.45</td>
<td>0.79</td>
<td>0.87</td>
<td>0.93</td>
<td>0.93</td>
<td>0.87</td>
<td>0.95</td>
<td>0.88</td>
<td>A</td>
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Report: Peutz A 3086-1-RA-001

<table>
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<tr>
<th>Panel type</th>
<th>Joint</th>
<th>Fill</th>
<th>Module</th>
<th>Perforation</th>
<th>NW</th>
<th>Mounting</th>
<th>125 Hz</th>
<th>250 Hz</th>
<th>500 Hz</th>
<th>1000 Hz</th>
<th>2000 Hz</th>
<th>4000 Hz</th>
<th>$\alpha_w$</th>
<th>NRC Class</th>
</tr>
</thead>
<tbody>
<tr>
<td>225C closed</td>
<td>-</td>
<td>225</td>
<td>R1.5T3 (D1522)</td>
<td>✓</td>
<td>E200</td>
<td>0.40</td>
<td>0.71</td>
<td>0.85</td>
<td>0.69</td>
<td>0.75</td>
<td>0.74</td>
<td>0.75</td>
<td>0.75</td>
<td>C</td>
</tr>
<tr>
<td>225C closed</td>
<td>-</td>
<td>225</td>
<td>R1.5T3 (D1522)</td>
<td>✓</td>
<td>E200</td>
<td>0.40</td>
<td>0.56</td>
<td>0.46</td>
<td>0.31</td>
<td>0.37</td>
<td>0.57</td>
<td>0.35</td>
<td>0.65</td>
<td>0.65</td>
</tr>
<tr>
<td>225C closed</td>
<td>-</td>
<td>225</td>
<td>R1.5T3 (D1522)</td>
<td>✓</td>
<td>E200</td>
<td>0.37</td>
<td>0.66</td>
<td>0.67</td>
<td>0.51</td>
<td>0.56</td>
<td>0.65</td>
<td>0.55</td>
<td>0.60</td>
<td>B</td>
</tr>
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</table>

Report: Peutz A 1709-1E-RA

<table>
<thead>
<tr>
<th>Panel type</th>
<th>Joint</th>
<th>Lay-On pad</th>
<th>Module</th>
<th>Perforation</th>
<th>NW</th>
<th>Mounting</th>
<th>125 Hz</th>
<th>250 Hz</th>
<th>500 Hz</th>
<th>1000 Hz</th>
<th>2000 Hz</th>
<th>4000 Hz</th>
<th>$\alpha_w$</th>
<th>NRC Class</th>
</tr>
</thead>
<tbody>
<tr>
<td>30BD closed</td>
<td>-</td>
<td>100</td>
<td>R2.0T5 (D2016)</td>
<td>✓</td>
<td>E400</td>
<td>0.35</td>
<td>0.70</td>
<td>0.67</td>
<td>0.81</td>
<td>0.81</td>
<td>0.80</td>
<td>0.75</td>
<td>0.75</td>
<td>C</td>
</tr>
<tr>
<td>30BD closed</td>
<td>-</td>
<td>150</td>
<td>R2.0T5 (D2016)</td>
<td>✓</td>
<td>E400</td>
<td>0.41</td>
<td>0.75</td>
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<td>0.72</td>
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Report: Peutz A 3842-3E-RA-001

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Report: Peutz A 3842-4E-RA

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Project: Theatre de Cusset, Cussey, France - Product: Solid Wood Linear Wall system - Architect: Architecture Maria Godlewksa
Hunter Douglas Ceilings utilizes metal, wood and felt materials to design, engineer and manufacture ceiling systems that optimise interior environmental quality, material resources and energy usage. Hunter Douglas incorporates sustainable materials and employs sustainable practices in its manufacturing processes. When applied as part of an overall building plan for new and renovation construction, solutions from Hunter Douglas may contribute to Green Globes and LEED BD+C and ID+C certification for schools, retail, hospitality, healthcare and commercial interiors.

**SUSTAINABILITY**

**RESOURCES**

**ACOUSTIC COMFORT**
Noise of equipment and conversation have been shown to impact worker comfort and productivity. Hunter Douglas acoustical ceilings have noise reduction coefficients $\alpha_w$ up to 1.00.

**DAYLIGHTING**
Hunter Douglas ceilings diffuse light for visual comfort and move daylight into a space, reducing energy used by artificial lights.

**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 for GREENGUARD and GREENGUARD Gold certification.

**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 optimizing daylighting and improving acoustical comfort and energy efficiency.

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.

GREENGUARD
Hunter Douglas is committed to meeting the growing demand for healthier, more sustainable products. Meeting the rigorous and comprehensive standards for low emissions of VOC’s, our Greenguard Gold Certified ceilings contribute to the overall indoor air quality and general health of a building space.

FSC® CERTIFIED
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.

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 certified 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.
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.

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.

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

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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.


2015 - XLnt, a super flat swing down acoustic ceiling is launched.

2016 - Hunter Douglas launches HeartFelt®, the first modular Felt Ceiling system ever.

2020 - Hunter Douglas launches HeartFelt® Baffle ceilings, combining our innovative soft ceiling material with a bold product design.

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.

Learn More

- Contact our Sales office
- www.hunterdouglasarchitectural.eu

Hunter Douglas products and solutions are designed to improve indoor environmental quality and conserve energy, supporting built environments that are comfortable, healthy, productive, and sustainable.

Our paint and aluminium melting processes are considered to be one of the industry standards in terms of clean production processes. All aluminium products are 100% recyclable at the end of their lifecycle.