Designed to work for you
Commercial Ceilings & Walls Product Guide 2020 | 2022
Project: Pakhuismeesteren, Rotterdam, The Netherlands
Product: Stretch Metal Planks
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

DESIGNED TO WORK FOR YOU

Hunter Douglas is een meester in vormgeving. In samenwerking met architecten en aannemers vertalen wij esthetische specificaties naar constructieve vereisten, 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 powstania tysięcy budynków na całym świecie.

Definimy sukces poprzez naszą zdolność do stawiania czoła wyjątkowym wyzwaniom, kreowaniu 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 sufity i ścian.
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


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 doświadczonych, 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 and creative people that have consciously chosen Hunter Douglas as their employer.

MATÉRIAUX RESPECTUEUX DE L’ENVIRONNEMENT

Des matériaux écologiquement rationnels sont essentiels pour des bâtiments durables. Notre stratégie consiste à choisir des matériaux présantant de bonnes propriétés environnementales. Nous avons optimisé nos processus pour utiliser jusqu’à 99% de contenu recyclé afin de produire le bon alliage pour nos produits. Notre bois est certifié FSC et nous appliquons le principe Cradle to Cradle dans le développement de nos produits.

RESPONSABILITÉ SOCIALE D’ENTREPRISE

Keen on Green est une initiative importante à l’échelle de l’entreprise visant à réduire la consommation d’énergie, l’utilisation d’eau et notre empreinte carbone globale. Nous adoptons le cadre ISO 14001 pour gérer activement nos objectifs Keen on Green. Hunter Douglas et ses employés soutiennent activement les communautés dans lesquelles nous vivons et travaillons, ainsi que celles à plus grande échelle. Nous sommes fiers de notre réseau mondial de personnes expérimentées, intelligentes, passionnées et créatives qui ont consciemment choisi Hunter Douglas comme employeur.

UMWELT-BEWUSSTE MATERIALIEN


UNTERNEHMENSGESELLSCHAFTLICHE VERANTWORTUNG


MILIEUBEWUSSTE MATERIALIEN

Milieuvriendelijke materialen zijn de sleutel tot duurzame gebouwen. Onze strategie is om materialen te kiezen die om te beginnen goede milieu-eigenschappen hebben. We hebben onze processen geoptimaliseerd om tot 99% gerecycleerd materiaal te gebruiken om de juiste legering voor onze producten te produceren. Ons hout is FSC-gecertificeerd en we omarmen het Cradle to Cradle-principe in onze productontwikkeling.

MAATSCHAPPELIJK VERANTWOORD ONDERNEMEN

Keen on Green is een belangrijk bedrijfsbreed initiatief om het energieverbruik, het waterverbruik en onze algemene CO2 footprint te verminderen. We omarmen het ISO 14001-raamwerk om onze Keen on Green-doelstellingen actief te beheren. Hunter Douglas en zijn werknemers ondersteunen actief de gemeenschappen waarin we wonen en werken, evenals die op een meer wereldwijde schaal. We zijn trots op ons wereldwijde netwerk van ervaren, intelligente, gepassioneerde en creatieve mensen die bewust Hunter Douglas als hun werkgever hebben gekozen.

MATERIALES AMBIENTALMENTE CONSCIENTES

Los materiales ecológicamente racionales son clave para los edificios sostenibles. Nuestra estrategia es elegir materiales que tengan buenas propiedades ambientales para comenzar. Hemos optimizado nuestros procesos para utilizar hasta el 99% del contenido reciclado para producir la aleación adecuada para nuestros productos. Nuestra madera tiene certificación FSC y adoptamos el principio Cradle to Cradle en el desarrollo de nuestros productos.

RESPONSABILIDAD SOCIAL CORPORATIVA

Keen on Green es una importante iniciativa de toda la empresa para reducir el consumo de energía, el uso del agua y nuestra huella de carbono en general. Adoptamos el marco ISO 14001 para gestionar activamente nuestros objetivos Keen on Green. Hunter Douglas y sus empleados apoyan activamente a las comunidades en las que vivimos y trabajamos, así como a aquellas en una escala más global. Los negocios son personas. Nos enorgullecemos de nuestra red mundial de personas experimentadas, inteligentes, apasionadas y creativas que han elegido conscientemente a Hunter Douglas como su empleador.
EKOLOGICZNE MATERIAŁY

Materiały przyjazne dla środowiska są kluczem do zrównoważonych budynków. Naszą strategią jest wybór materiałów o dobrych właściwościach środowiskowych. Zoptymalizowaliśmy nasze procesy, wykorzystując do 99% materiałów pochodzących z recyklingu, aby wyprodukować odpowiedni stop dla naszych produktów. Nasze drewno posiada certyfikat FSC i w rozwoju naszych produktów stosujemy zasadę Cradle to Cradle.

SPOŁECZNA ODPOWIEDZIALNOŚĆ BIZNESU

Keen on Green, to ważna dla całej firmy inicjatywa, mająca na celu zmniejszenie zużycia energii, zużycia wody i naszego ogólnego śladu węglowego. Wdrożyliśmy standard ISO 14001, aby właściwie zarządzać naszymi celami w zakresie ekologii. Hunter Douglas i jego pracownicy aktywnie wspierają społeczności, w których żyją i pracują, a także społeczność w skali globalnej. Biznes to ludzie. Jesteśmy dumni z naszej światowej sieci doświadczonych, inteligentnych, pełnych pasji i kreatywnych ludzi, którzy świadomie wybrali Hunter Douglas na swojego pracodawcę.

MATERIALI ECOCOMPATIBILI

Partendo dalla scelta di materiali ecologici e sostenibili, abbiamo ottimizzato i nostri processi di produzione, al fine di utilizzate fino al 99% di contenuto riciclato nella produzione della lega per i nostri sistemi metallici. I sistemi in legno sono certificati FSC. Hunter Douglas adotta la filosofia del prodotto Cradle to Cradle.

RESPONSABILITÀ SOCIALE AZIENDALE

Keen on Green è un’importante iniziativa volta alla riduzione del consumo di energia, dell’utilizzo dell’acqua e delle emissioni di CO2. Applichiamo il sistema ISO 14001 per il raggiungimento degli obiettivi Keen on Green. Hunter Douglas e tutto il suo team supportano attivamente le comunità in cui vivono e lavorano. Siamo orgogliosi di tutti i nostri collaboratori, un team di persone esperte, intelligenti, appassionate e creative, presenti in tutto il mondo.

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.

Project: HSBC Headquarters, Birmingham, United Kingdom
Product: Veneered Wood Grills
Architect: tp bennett
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.

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

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

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

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

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

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

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

RECYCLED CONTENT
The recycled content of the product as verified by a third party or based on average market data.

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

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

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## EXPLANATION TECHNICAL PERFORMANCE ICONS

| **REACTION TO FIRE** | Reaction to fire classification in accordance with EN 13501-1 expressed as Euroclass (A1 - F).
| **FIRE STABILITY** | Fire stable ceilings available.
| **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 ($a_w$) or, as calculated by reference to ASTM C423 (NRC).
| **SOUND ABSORPTION CLASS** | A classification for sound absorption (A - E) based upon the sound absorption $a_w$ value.
| **ACOUSTIC INFILLS** | Custom acoustic infills available.
| **DIMENSIONS** | Custom sizes available.
| **SHAPES** | Custom shapes available.
| **WEIGHT** | Weight per unit area of the product (kg/m$^2$).
| **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.
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 PLAФONDS

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.

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

**RÉSISTANCE AUX RAYURES**
Surface haute résistance aux rayures.

**EFFETS BOIS**
Autres effets bois disponibles.

**SOLUTION CONTRE LES IMPACTS**
Plafond résistant aux impacts disponible.

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

**FONCTION BASCULANTE**
Fonction basculante possible.

**SOLUTIONS EXTERIEURES**
Plafonds extérieurs possible.

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

**TEMPERATURE / RH**
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.

RECYCLETTER 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 auf EN 15804 basierende EPD (Environmental Product Declaration) erhältlich.

EPD

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

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<td>Maximale relative (Luft-)Feuchtigkeit für die Installation und Lebensdauer der Paneelen.</td>
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<td>Kundenspezifische Masse möglich.</td>
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<td>Kundenspezifische Farben möglich.</td>
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<td>Lichtreflexion ist der Anteil des einfallenden Lichts, welches vom Produkt reflektiert wird (geprüft nach EN 410).</td>
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ONZE ONTSTAANSGESCHIEDENIS
Hunter Douglas is ontstaan uit de verwerking van gerecycleerd aluminium. In 1940 emigreerde de oprichter Henry Sonnenberg van Nederland naar Amerika, waar hij de Douglas Machinery Corporation oprichtte. Enkele jaren later begon hij een cruciale samenwerking met de uitvinder Joe Hunter die een gietmachine had uitgevonden die van aluminiumschroot zeer harde legeringen kon maken.

ONTWIKKELING VAN PLAFONDS

WERELDWIJD VERTEGENWOORDIGD
Gerecycleerd aluminium vormt nog steeds een belangrijk deel van de activiteiten van Hunter Douglas, met een recyclinginrichting, een smelterij en een continuïteit 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 assemblage 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.

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**Reactie op brand**  
Classificatie bij brand volgens EN 13501-1 uitgedrukt als Euroklasse (A1 - F).

**Brandstabiliteit**  
Vuurvaste plafonds beschikbaar.  
(Het alleen in België)

**Perforaties / patronen**  
Aangepaste perforaties/patronen beschikbaar.

**Geluid absorptie**  
Een cijfer met één nummer voor geluidsabsorptiecoëfficiënten voor willekeurige incidentie zoals berekend aan de hand van EN ISO 11654 ($a_w$) of, zoals berekend aan de hand van ASTM C423 (NRC).

**Geluidssabsorptieklassen**  
Een classificatie voor geluidsabsorptie (A - E) op basis van de waarde voor geluidsabsorptie $a_w$.

**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 relative luchtvochtigheid voor installatie en levensduur van plafond.

**Temperatuur/RV**  
Classificatie van klimaatklasse volgens EN 13964 waarin plafond kan worden gebruikt.

**Plafondoepassing**  
Plafondoepassing beschikbaar.

**Wandtoepassing**  
Muurtóepassing 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).

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

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

**FUNCIÓN ABATIBLE**
Funcionalidad de giro hacia abajo disponible.

**PERFORACIONES / PATRONES**
Perforaciones / patrones personalizados disponibles.

**SOLUCIONES EXTERIORES**
Techo exterior disponible.

**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).

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

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

**TEMPERATURA/RH**
Clasificación de la clase climática según EN 13964 en la que se puede utilizar el techo.

**RELENTES ACÚSTICOS**
Rellenos acústicos personalizados disponibles.

**APLICACIÓN DE TECHO**
Una aplicación de techo está disponible.

**DIMENSIONES**
Tamaños personalizados disponibles.

**APLICACIÓN DE PARED**
Una aplicación de pared está disponible.

**FORMAS**
Formas personalizadas disponibles.

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

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

Se puede limpiar con un paño seco / cepillo suave.

Se puede limpiar con un paño húmedo.

**COLORES**
Colores personalizados disponibles.

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

**SOLUCIONES DE IMPACTO**
Techo resistente a impactos disponible.
NASZE KORZENIE

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

ROZwój PRODUKCIj 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 ŚWIĘCIE

Obecnie znaczna część działalności Hunter Douglas nadal jest poświęcona recyklingowi aluminium, z zakładem recyklingu, hutą i ciągłym odlewem w Rotterdamie 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 ROZWÓJ

Hunter Douglas jest liderem w opracowywaniu koncepcji zrównoważonych produktów. Staramy się uprościć montaż, usprawnić procesy produkcyjne, wyeliminować odpady i ograniczyć konserwację 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 ze standardowymi wytycznymi Cradle to Cradle Certified™ w ciągłym procesie ulepszania produktów w ramach wytycznych opierających się na pięciu kryteriach: materiały bezpieczne dla zdrowia, ponowne wykorzystanie surowców, korzystanie ze źródeł energii odnawialnej, emisja dwutlenku węgla, zarządzanie zasobami wodnymi i odpowiedzialność społeczna.

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

**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 oznaczonym tą ikoną dostępna jest EPD - Środowiskowa Deklaracja Produktu - oparta na EN 15804.
LEGENDA DLA SYMBOLI
OPISUJĄCYCH WŁAŚCIWOŚCI TECHNICZNE

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

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

PERFORACJE/WZORY
Możliwe wykonanie niestandardowych perforacji/wzorów.

POCHŁANIANIE DŹWIĘKU
Współczynniki pochłaniania dźwięków o wybranych częstotliwościach wyznaczone zgodnie z EN ISO 11654 (a₃w) lub to ASTM C423 (NRC).

KLASA POCHŁANIANIA DŹWIĘKU
Klasifikacja pochłaniania dźwięku - klasa A-E, oparta na współczynniku a₃w.

WKŁADY AKUSTYCZNE
Możliwe zastosowanie niesystemowych, dodatkowych wypełnień akustycznych.

WYMIARY
Możliwe niestandardowe wymiary produktu.

KSZTAŁTY
Możliwe niestandardowe kształty produktu.

MASA
Masa jednostkowa produktu (kg/m²).

KOLORY
Możliwe kolory niestandardowe.

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

ODPORNOŚĆ NA ZARYSOWANIE
Najwyższy poziom odporności na zarysowania powierzchni.

FORNIRY
Możliwe dodatkowe niestandardowe efekty dla forniru.

ODPORNOŚĆ NA UDERZENIA
Dostępny sufit odporny na uderzenia.

INTEGRACJA Z INSTALACJAMI
Możliwe niestandardowe fabryczne wycięcia do montażu instalacji.

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

ZASTOSOWANIE ZewnĘTRZNE
Możliwe zastosowanie zewnętrzne produktu.

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

TEMPERATURA/RH
Klasifikacja klasy klimatycznej według EN 13964, w której można zastosować sufit.

ZASTOSOWANIE NA SUFICIE
Możliwe zastosowanie na suficie.

ZASTOSOWANIE NA ŚCIANIE
Możliwe zastosowanie jako zabudowy ściiennej.

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

Można czyścić suchą szmatką / miękką szczotką.

Można czyścić wilgotną szmatką.
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 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 e una produzione 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.

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.

CRANDEL 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, gestione delle emissioni di CO2, gestione delle risorse idriche ed impegni 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.

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.

SOFASCIENZE

Enlever un certificato la disponibilità della DAP (Dichiarazione Ambientale di Prodotto) secondo la EN 15804.

EPD

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

<table>
<thead>
<tr>
<th>Simbolo</th>
<th>Descrizione</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image" alt="Reazione al Fuoco" /></td>
<td>Certificazione di reazione al fuoco, Euroclasse (A1 - F), in conformità alla normativa EN 13501-1.</td>
</tr>
<tr>
<td><img src="image" alt="Stabilità al Fuoco" /></td>
<td>Soffitti stabili disponibili. <em>(Solo Belgio)</em></td>
</tr>
<tr>
<td><img src="image" alt="Tipi di Foratura" /></td>
<td>Forature speciali a richiesta</td>
</tr>
<tr>
<td><img src="image" alt="Assorbimento Acustico" /></td>
<td>Un singolo valore per l’incidenza random dei coefficienti di assorbimento acustico calcolati secondo la normativa EN ISO 11654 (α_w) o ASTM C423 (NRC).</td>
</tr>
<tr>
<td><img src="image" alt="Classificazione Assorbimento Acustico" /></td>
<td>Classe di assorbimento acustico (A - E) secondo i coefficienti di assorbimento (α_w).</td>
</tr>
<tr>
<td><img src="image" alt="Riempimento Acustico" /></td>
<td>Riempimento acustico disponibile a richiesta.</td>
</tr>
<tr>
<td><img src="image" alt="Dimensioni" /></td>
<td>Misure speciali disponibili a richiesta.</td>
</tr>
<tr>
<td><img src="image" alt="Forme" /></td>
<td>Forme speciali disponibili a richiesta.</td>
</tr>
<tr>
<td><img src="image" alt="Peso" /></td>
<td>Peso stimato (kg/mq).</td>
</tr>
<tr>
<td><img src="image" alt="Colore" /></td>
<td>Colori speciali disponibili a richiesta.</td>
</tr>
<tr>
<td><img src="image" alt="Riflessione Luminosa" /></td>
<td>La riflessione luminosa, testata secondo la normativa EN 410, rappresenta la percentuale di luce che viene riflessa dal prodotto.</td>
</tr>
<tr>
<td><img src="image" alt="Resistenza ai Graffi" /></td>
<td>Elevata resistenza ai graffi.</td>
</tr>
<tr>
<td><img src="image" alt="Impiallacciati" /></td>
<td>Impiallacciati speciali a richiesta.</td>
</tr>
<tr>
<td><img src="image" alt="Soluzioni per Impianti Sportivi" /></td>
<td>Disponibile per installazione in impianti sportivi.</td>
</tr>
<tr>
<td><img src="image" alt="Integrazione Apparecchi" /></td>
<td>A richiesta il sistema può essere fornito già predisposto per l’integrazione di apparecchi.</td>
</tr>
<tr>
<td><img src="image" alt="Versione Swing-down" /></td>
<td>Versione swing-down disponibile.</td>
</tr>
<tr>
<td><img src="image" alt="Soluzioni per Esterni" /></td>
<td>Disponibile anche nella versione per installazione in esterni.</td>
</tr>
<tr>
<td><img src="image" alt="Resistenza all’Umidità" /></td>
<td>Condizioni di umidità relativa massima per l’installazione e la durata del controsoffitto.</td>
</tr>
<tr>
<td><img src="image" alt="Temperatura/RH" /></td>
<td>Classificazione della classe climatica per l’impiego del controsoffitto, in base alla normativa EN 13964.</td>
</tr>
<tr>
<td><img src="image" alt="Installazione a Soffitto" /></td>
<td>Adatto per installazione a soffitto.</td>
</tr>
<tr>
<td><img src="image" alt="Installazione a Parete" /></td>
<td>Adatto per installazione a parete.</td>
</tr>
<tr>
<td><img src="image" alt="Pulizia" /></td>
<td>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.</td>
</tr>
<tr>
<td><img src="image" alt="Utilizzare un panno umido" /></td>
<td>Utilizzare un panno umido.</td>
</tr>
</tbody>
</table>

---

**HunterDouglas Architectural**

hunterdouglasarchitectural.eu
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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: Koedoorp, Hendrik Ido Ambacht, The Netherlands
Product: HeartFelt® Linear Ceiling
HEARTFELT® CEILINGS

HEARTFELT® LINEAR  28

HEARTFELT® BAFFLES  32
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 40 x 55 mm, 40 x 80 mm and 40 x 105 mm
- Panel length 1000 to 6000 mm
- Eleven 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
TYPICAL ISOMETRICS

1 = Panel
2 = Panel Splice
3 = Carrier
4 = Carrier splice
5 = Stabilisation bracket
6 = Stabilisation profile
7 = Hanger
8 = End caps

Maximum panel span 1200 mm, maximum panel cantilever 150 mm

Maximum carrier span 1500 mm, maximum carrier cantilever 300 mm

Stabilisation profiles 3000 mm ctc

TYPICAL SECTIONS

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

ACOUSTICS

See page 344 for acoustic performance information

PHYSICAL DATA

Class B

Class: Varies with colour

40HL55 M50: $\alpha_w = 0.70$ m$^2$ (H)

40HL105 M200: $\alpha_w = 0.40$ m$^2$ (H)

40HL55 M50: 4.6 kg/m$^2$

40HL105 M200: 1.3 kg/m$^2$

OPTIONAL

Colours: See page 30

Sports application see page 304

Wall application see page 276
**COLOURS**

Colours are for illustration purposes only.

**SHADES OF GREY (40HL55, 40HL80, 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

<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® 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
HEARTFELT® - BAFFLES

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

Class B
EN 13964

Class

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)

<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>
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<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>

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 (m² 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
HEARTFELT® - BAFFLES

Project: Stokerplaats, Antwerp, Belgium - Product: HeartFelt® Linear
Project: Brewery Ganzenhof, Schelle, Belgium - Product: HeartFelt® Linear
Project: Chirec LOT 23, Brussels, 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.
Project: Amity University Dubai
Architect: IR Design
Product: Nano perforated veneered wood panels

“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
<table>
<thead>
<tr>
<th>WOOD SOLUTIONS</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>SOLID WOOD LINEAR</td>
<td>44</td>
</tr>
<tr>
<td>SOLID WOOD GRILL</td>
<td>46</td>
</tr>
<tr>
<td>VENEERED WOOD LINEAR</td>
<td>50</td>
</tr>
<tr>
<td>VENEERED WOOD GRILL</td>
<td>56</td>
</tr>
<tr>
<td>VENEERED WOOD TILES</td>
<td>62</td>
</tr>
<tr>
<td>VENEERED WOOD TOPLINE</td>
<td>74</td>
</tr>
<tr>
<td>METAL WOODPRINT</td>
<td>78</td>
</tr>
</tbody>
</table>
The Solid Wood Linear System combines the benefits of its natural aesthetics, flexibility, beauty and acoustics.

**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  
- **$\alpha_{I_0}$ 0.30 - 0.50** See page 346  
- **5.0 - 12.0 kg/m²**  
- **Moist cloth**

---

**OPTIONAL**

- **Colours**: See page 48  
- **Exterior solutions**: See page 232  
- **Wall solutions**: See page 280
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.

Produced and certified by Derako International.
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  
$\alpha_{iv} = 0.30 \text{ - } 0.50$  
6.0 - 15.0 kg/m²  
Moist cloth

OPTIONAL

Belgium only  
Colours: See page 48  
Exterior solutions: See page 234  
Wall solutions: See page 282
WOOD SOLUTIONS
SOLID WOOD
LINEAR & GRILL

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 Hoofman, 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: Black
- Moist cloth

OPTIONAL

- Acoustic cloth: See page 346
- Colours: See page 54
- Wall solutions: See page 286

WOOD SOLUTIONS

Moist cloth: 10.0 - 15.0 kg/m²

Acoustic cloth: Back
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

---

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EN 13906

E1 A+
TYPICAL ISOMETRICS

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

TYPICAL SECTIONS

Section A-A’

Section B-B’

PHYSICAL DATA

B-s2,d0 According to EN 13501-1
Up to $\alpha_{ew}$ 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

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

Project: KPMG Head Office, Amsterdam, The Netherlands - Product: Veneered Wood Linear, Bamboo - Architect: Marcel van der Schalk
Veneered Wood Grill Elements allow you to create large sized grills for an impressive and perfectly straight, open ceiling.

**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

PHYSICAL DATA

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

Moist cloth

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

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EN 13906
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  
  - See page 346
- **Acoustic cloth**: Black  
  - 12.0 - 20.0 kg/m²

### OPTIONAL

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

WOOD SPECIES
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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.
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**

**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>
<th>Acoustic Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>R7015</td>
<td>Ø 7 mm</td>
<td>15%</td>
<td></td>
</tr>
<tr>
<td>D10008</td>
<td>Ø 10 mm</td>
<td>8%</td>
<td></td>
</tr>
<tr>
<td>R1503A</td>
<td>Ø 1.5 mm</td>
<td>8%</td>
<td></td>
</tr>
<tr>
<td>R6008B</td>
<td>Ø 5 mm</td>
<td>8%</td>
<td></td>
</tr>
<tr>
<td>D0505A</td>
<td>Ø 0.5 mm</td>
<td>23.9%</td>
<td></td>
</tr>
<tr>
<td>R9711S</td>
<td>WxH 97/8 mm</td>
<td>11%</td>
<td></td>
</tr>
<tr>
<td>D9711S</td>
<td>WxH 97/8 mm</td>
<td>11%</td>
<td></td>
</tr>
<tr>
<td>D10008</td>
<td>Ø 10 mm</td>
<td>3%</td>
<td></td>
</tr>
<tr>
<td>R5008B</td>
<td>Ø 5 mm</td>
<td>8%</td>
<td></td>
</tr>
<tr>
<td>D0505A</td>
<td>Ø 0.5 mm</td>
<td>23.9%</td>
<td></td>
</tr>
<tr>
<td>R9711S</td>
<td>WxH 97/8 mm</td>
<td>11%</td>
<td></td>
</tr>
<tr>
<td>D9711S</td>
<td>WxH 97/8 mm</td>
<td>11%</td>
<td></td>
</tr>
</tbody>
</table>

**PHYSICAL DATA**

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

**OPTIONAL**

Colours: See page 72
Wall solutions: See page 290

Moist cloth

Physical: Up to $\alpha_W = 0.95$

Weight: 10.0 - 15.0 kg/m²

Contact: hunterdouglasarchitectural.eu
Wood Solutions

**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
- 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

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

TYPICAL ISOMETRICS
1 = Classic Plus 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

Up to $\alpha_{W} 0.95$
10.0 - 15.0 kg/m²
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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The mark is responsible forestry
**TYPICAL ISOMETRICS**

1 = Modern 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.

<table>
<thead>
<tr>
<th>Pattern Code</th>
<th>Diameter</th>
<th>Openness</th>
</tr>
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<tbody>
<tr>
<td>R7015</td>
<td>Ø 7 mm</td>
<td>15%</td>
</tr>
<tr>
<td>D10008</td>
<td>Ø 10 mm</td>
<td>8%</td>
</tr>
<tr>
<td>R1503A</td>
<td>Ø 1.5 mm</td>
<td>3%</td>
</tr>
<tr>
<td>R6008B</td>
<td>Ø 5 mm</td>
<td>8%</td>
</tr>
<tr>
<td>D0505A</td>
<td>Ø 0.5 mm</td>
<td>23.9%</td>
</tr>
<tr>
<td>R9711S</td>
<td>WxH 97/8 mm</td>
<td>11%</td>
</tr>
<tr>
<td>D9711S</td>
<td>WxH 97/8 mm</td>
<td>11%</td>
</tr>
</tbody>
</table>

**PHYSICAL DATA**

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

**OPTIONAL**

- **Colours:** See page 72
- **Wall solutions:** See page 290
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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**TYPICAL ISOMETRICS**

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

**TYPICAL SECTIONS**

**PERFORATION PATTERNS**

Standard patterns shown. See page 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>Scale 1:5</th>
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<th>Scale 1:20</th>
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<tbody>
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<td>Ø 7 mm</td>
<td>Ø 7 mm</td>
<td>D7015</td>
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<td>Ø 5 mm</td>
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<tr>
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<td>D0505A</td>
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<td>WxH 97/8 mm</td>
<td>WxH 97/8 mm</td>
<td>R9711S</td>
<td>R9711S</td>
</tr>
</tbody>
</table>

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

**Project:** Orbis Medical Centre, Sittard, The Netherlands - **Product:** Veneered Wood Ceiling - **Architect:** Bonnema Architecten

**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

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**TYPICAL ISOMETRICS**

1 = System 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.

<table>
<thead>
<tr>
<th>Scale 1:5</th>
<th>Scale 1:5</th>
<th>Scale 1:5</th>
<th>Scale 1:5</th>
<th>Scale 1:20</th>
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<tbody>
<tr>
<td><img src="image1" alt="Pattern 1" /></td>
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<td><img src="image3" alt="Pattern 3" /></td>
<td><img src="image4" alt="Pattern 4" /></td>
<td><img src="image5" alt="Pattern 5" /></td>
<td><img src="image6" alt="Pattern 6" /></td>
</tr>
</tbody>
</table>

**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 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 its consistent appearance. Although Engineered Veneer is made from 100% wood, due to the special production process, a uniform look can be obtained.

**High Pressure Laminate**
Hunter Douglas works with some of the 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)

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

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

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

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

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

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

PHYSICAL DATA

B-s2,d0 According to EN 13501-1
Moist cloth
10.0 - 15.0 kg/m²

OPTIONAL

Wall solutions: See page 292
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
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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: 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.

**Project:** EKZ Mall, Liepziger Platz, Berlin, Germany - **Product:** Multi-Panel 30BD and 80B, Metal Woodprint - **Architect:** ARGE LP12

**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**

**LINEAR / BAFFLES / PLANK**

**METAL WOODPRINT**

**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 Code</th>
<th>Colour</th>
</tr>
</thead>
<tbody>
<tr>
<td>8476</td>
<td>Cedar</td>
</tr>
<tr>
<td>8474</td>
<td>Pine</td>
</tr>
<tr>
<td>8494</td>
<td>Oak</td>
</tr>
<tr>
<td>8492</td>
<td>Birch</td>
</tr>
<tr>
<td>8472</td>
<td>Palisander</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 Code</th>
<th>Colour</th>
</tr>
</thead>
<tbody>
<tr>
<td>8424</td>
<td>Walnut</td>
</tr>
<tr>
<td>8435</td>
<td>Amber Bamboo</td>
</tr>
<tr>
<td>8444</td>
<td>African Wenge</td>
</tr>
<tr>
<td>8436</td>
<td>Golden Douglas</td>
</tr>
<tr>
<td>8439</td>
<td>American Oak</td>
</tr>
<tr>
<td>8444</td>
<td>Swamp Cypress</td>
</tr>
<tr>
<td>8446</td>
<td>Clipper Teak</td>
</tr>
<tr>
<td>8496</td>
<td>Whitewash</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 Code</th>
<th>Colour</th>
</tr>
</thead>
<tbody>
<tr>
<td>8941</td>
<td>Amarant</td>
</tr>
<tr>
<td>8940</td>
<td>Mahogany</td>
</tr>
<tr>
<td>8922</td>
<td>Cherry</td>
</tr>
<tr>
<td>8933</td>
<td>Ash</td>
</tr>
<tr>
<td>8950</td>
<td>Massaran</td>
</tr>
<tr>
<td>8949</td>
<td>Ipé</td>
</tr>
<tr>
<td>8927</td>
<td>Walnut</td>
</tr>
<tr>
<td>8943</td>
<td>Wenge</td>
</tr>
<tr>
<td>8920</td>
<td>Oak</td>
</tr>
<tr>
<td>8934</td>
<td>White Walnut</td>
</tr>
<tr>
<td>8938</td>
<td>Zebrano</td>
</tr>
<tr>
<td>8936</td>
<td>Meranti</td>
</tr>
<tr>
<td>8923</td>
<td>Teak</td>
</tr>
<tr>
<td>8937</td>
<td>European Walnut</td>
</tr>
<tr>
<td>8935</td>
<td>Cedar</td>
</tr>
<tr>
<td>8932</td>
<td>Vintage Oak</td>
</tr>
<tr>
<td>8921</td>
<td>Maple</td>
</tr>
<tr>
<td>8924</td>
<td>Whitewash</td>
</tr>
<tr>
<td>8951</td>
<td>White</td>
</tr>
<tr>
<td>8948</td>
<td>Grey Oak</td>
</tr>
<tr>
<td>8931</td>
<td>Grey Cedar</td>
</tr>
<tr>
<td>8945</td>
<td>Dock Yard</td>
</tr>
<tr>
<td>8946</td>
<td>Grey Walnut</td>
</tr>
<tr>
<td>8947</td>
<td>Dark Ash</td>
</tr>
</tbody>
</table>

### STEEL COIL COATED WOOD-LOOK

Prepainted steel with printed wood-look coating.

<table>
<thead>
<tr>
<th>Colour Code</th>
<th>Colour</th>
</tr>
</thead>
<tbody>
<tr>
<td>8404</td>
<td>Dark Oak</td>
</tr>
<tr>
<td>8405</td>
<td>Golden Oak</td>
</tr>
<tr>
<td>8408</td>
<td>Winchester</td>
</tr>
<tr>
<td>8409</td>
<td>Wenge</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: Fieramilano, Milan, Italy
Product: Planks Alpha

M E T A L  C E I L I N G S

P L A N K S  8 8
T I L E S  1 1 6
S T R E C H  M E T A L  1 2 4
W I D E  P A N E L  1 4 2
B A F F L E S  1 5 2
C E L L  1 6 6
L I N E A R  1 7 4
C U R V E D  1 9 4
P R O J E C T  S O L U T I O N S  2 0 7
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*

---

Production by Hunter Douglas Ceiling Center

---

<table>
<thead>
<tr>
<th>EPD</th>
<th>EN 13966</th>
<th>60%</th>
</tr>
</thead>
</table>

---

hunterdouglasarchitectural.eu
TYPICAL ISOMETRICS
1 = C-Grid panel
2 = C-Grid profile
3 = Primary profile
4 = Nonius hanger
5 = C-Grid suspension shoe
6 = C-Grid profile splice
7 = Primary profile splice
8 = Wall bracket
9 = Cross connector
10 = Locking clips

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

TYPICAL SECTIONS

TYPICAL SECTIONS

PERFORATION PATTERNS

Standard patterns shown. See page 342 for all perforation patterns.
Scale shown: 1:1, unless otherwise noted. See page 346-347 for acoustic information.

D1522
Ø 1.5 mm
Ø 4  Ø 4
Openness 22%

D2022
Ø 2 mm
Ø 5  Ø 5
Openness 22%

R1511
Ø 1.5 mm
Ø 4  Ø 4
Openness 11%

R2011
Ø 2 mm
Ø 5  Ø 5
Openness 11%

R2516
Ø 2.5 mm
Ø 5.5  Ø 5.5
Openness 16%

PHYSICAL DATA

Class A1
acc. EN 13501-1

Belgium only

\[ \alpha_W = 0.55-0.90 \]

Al:
4.9 kg/m²

Fe:
78 kg/m²

Colours:
See page 94

Varies with finish

RAL9010: LRI < 0.81

Alu
Plain: Class C
Perf+NW: Class B

Plain
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

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 346-347 for acoustic information.

<table>
<thead>
<tr>
<th>Pattern</th>
<th>Diameter</th>
<th>Openness</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>D1522</td>
<td>Ø 1.5 mm</td>
<td>22%</td>
<td>Plank Alpha Swingdown</td>
</tr>
<tr>
<td>D2022</td>
<td>Ø 2 mm</td>
<td>22%</td>
<td></td>
</tr>
<tr>
<td>R1511</td>
<td>Ø 1.5 mm</td>
<td>11%</td>
<td></td>
</tr>
<tr>
<td>R2011</td>
<td>Ø 2 mm</td>
<td>11%</td>
<td></td>
</tr>
<tr>
<td>R2516</td>
<td>Ø 2.5 mm</td>
<td>16%</td>
<td></td>
</tr>
</tbody>
</table>

**PHYSICAL DATA**

- **Class A1** acc. EN 13501-1
- **aₓᵧ = 0.55-0.90**
- **Colours:** See page 94  
  - Varies with finish  
  - RAL 9010: LRI = 0.81  
- **Al**: 4.9 kg/m²  
  - **Fe**: 7.8 kg/m²  
- **Kg**

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

**MEETINGS CEILINGS**
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 SD plank
2 = Torsion-Spring profile
3 = Suspension element
4 = Suspension bracket
5 = Torsion-Spring

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 346-347 for acoustic information.

PHYSICAL DATA

Class A1
acc. EN 13501-1

\( \alpha_N = 0.55 - 0.90 \)

Colours:
See page 94

Varies with finish
RAL9010: LR = 0.81

Alu
Plain: Class C
Perf+NW: Class B

Plain

Al: 4.9 kg/m²
Fe: 7.8 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>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>
<th>Clipper Teak 8446</th>
<th>Whitewash 8496</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>
<tbody>
<tr>
<td>Oak 8920</td>
<td>White Walnut 8934</td>
<td>Zebrano 8936</td>
<td>Meranti 8936</td>
<td>Teak 8923</td>
<td>European Walnut 8937</td>
<td>Cedar 8935</td>
<td>Vintage Oak 8932</td>
</tr>
<tr>
<td>Maple 8921</td>
<td>Whitewash 8924</td>
<td>White 8951</td>
<td>Grey Oak 8948</td>
<td>Grey Cedar 8931</td>
<td>Dock Yard 8945</td>
<td>Grey Walnut 8946</td>
<td>Dark Ash 8947</td>
</tr>
</tbody>
</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>
Project: Fieramilano, Milan, Italy - Product: Planks Alpha
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 346-347 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>R2222</td>
<td>Ø 2 mm</td>
<td>22%</td>
</tr>
<tr>
<td>R1511</td>
<td>Ø 1.5 mm</td>
<td>11%</td>
</tr>
<tr>
<td>R2011</td>
<td>Ø 2 mm</td>
<td>11%</td>
</tr>
<tr>
<td>R2516</td>
<td>Ø 2.5 mm</td>
<td>16%</td>
</tr>
</tbody>
</table>

---

**PHYSICAL DATA**

- Class A1 acc. EN 13501-1
- Aluminium: 4.9 kg/m²  
- Steel: 7.8 kg/m²
- Colours:  
  - See page 106
  - RAL9010: LR = 0.81
- Plain: Class C  
  - Perf+NW: Class B
- Acoustic:  
  - $\alpha_w = 0.55$-0.90
- Fire rating: Belgium only
- Al: 4.9 kg/m²  
  - Fe: 78 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

E1  A  60%
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 346-347 for acoustic information.

PHYSICAL DATA

Class A1
acc. EN 13501-1

Class

Plain: Class C
Perf+NW: Class B

Colours:
See page 106

Varies with finish
RAL9010: LRI = 0.81

Alu
Plain

Fe: 78 kg/m²

Kg

A1: 4.9 kg/m²

αw = 0.55-0.90
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

Production by Hunter Douglas Ceiling Center
**TYPICAL ISOMETRICS**

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

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

**TYPICAL SECTIONS**

![Diagram with typical sections]

**PERFORATION PATTERNS**

Standard patterns shown. See page 342 for all perforation patterns.  
Scale shown: 1:1, unless otherwise noted. See page 346-347 for acoustic information.

**PHYSICAL DATA**

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

- Colours:  
  Varies with finish  
  RAL 9010: L/R = 0.81

- Al: 4.9 kg/m²  
  Fe: 7.8 kg/m²
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 = Hook-On plank  
2 = Safety-Loop profile  
3 = Locking plate with screw  
4 = Nonius hanger  
5 = Suspension element

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 346-347 for acoustic information.

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

**PHYSICAL DATA**

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

- **Colours:**  
  Varies with finish  
  RAL9010: LR = 0.81  
  Alu  
  Plain: Class C  
  Perf+NW: Class B

- **ρw = 0.55-0.90**

- **Al:** 4.9 kg/m²  
  **Fe:** 7.8 kg/m²

- **Kg**
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 = Suspension
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 346-347 for acoustic information.

PHYSICAL DATA

Class A1
acc. EN 13501-1

Colours:
See page 106

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

<table>
<thead>
<tr>
<th>Colour</th>
<th>Code</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>

### 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>
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
**DELTA**

**TYPICAL ISOMETRICS**

1 = Delta plank  
2 = C-Grid profile  
3 = Primary profile  
4 = Nonius hanger  
5 = C-Grid suspension shoe  
6 = Primary profile splice  
7 = Torsion-Spring  
8 = 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 346-347 for acoustic information.

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

**PHYSICAL DATA**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
</table>
| Class A1 acc. EN 13501-1 | A1: 4.9 kg/m²  
Fe: 78 kg/m² |
| Colours           | See page 110                 |
| Varies with finish| RAL9010: LRI = 0.81          |
| Alu               | Plain: Class C  
Perf+NW: Class B |
| Plain             |                             |

**Alu**
COLOURS AND FINISHES

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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>
<tr>
<td>Traffic White</td>
<td>RAL 9016</td>
</tr>
<tr>
<td>On Request</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.

<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>Whitemash</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: 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
TYPICAL ISOMETRICS

1 = Lay-On Plank
2 = Bandraster profile (non HD)
3 = Suspension (non HD)
4 = Wall bracket (non HD)

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 346-347 for acoustic information.

PHYSICAL DATA

Class A1
acc. EN 13501-1

Belgium only

\[ \alpha_N = 0.55 - 0.90 \]

Colours:
See page 114

Varies with finishes
RAL9010: LR = 0.81

Al:
4.9 kg/m²
Fe:
78 kg/m²

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

- **On Request**

**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: Sint-Vincentius Ziekenhuizen, Berchem, Belgium - Product: Planks Gamma (Lay-On planks) - Architect: Architectenbureau De Vloed
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.

PHYSICAL DATA

Class A1 acc. EN 13501-1
Belgium only
αW = 0.55-0.90

Colours:
See page 122
Varies with finish
RAL 9010: LR = 0.81

Al: 4.9 kg/m²
Fe: 7.8 kg/m²
Lay-On 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-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.

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

- Colours:
  - See page 122
  - Varies with finish
  - RAL9010: LR = 0.81
- Class A1
  - acc. EN 13501-1
  - Al: 4.9 kg/m²
  - Fe: 7.5 kg/m²
  - α_w = 0.55-0.90
  - plain: Class C
  - Perf+NW: Class B
  - Plain
The proven durability of Clip-In metal ceiling systems makes it a perfect selection for standard ceiling applications.

**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

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

1 = Clip-In tile  
2 = Primary profile  
3 = Primary profile splice  
4 = Clip-In profile  
5 = Cross connector  
6 = Wall bracket  
7 = Edge trim profile  
8 = Suspension

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  
Ø 4  
Perforation = 22%  

D2022  
Ø 2 mm  
Ø 5  
Perforation = 22%  

R1511  
Ø 1.5 mm  
Ø 4  
Perforation = 11%  

R2011  
Ø 2 mm  
Ø 5  
Perforation = 11%  

R2516  
Ø 2.5 mm  
Ø 5.5  
Perforation = 16%  

PHYSICAL DATA

Class A1  
acc. EN 13501-1  

Varies with finish  
RAL9010: LR = 0.81  

Al: 4.9 kg/m²  
Fe: 7.8 kg/m²  

Alu  
Plain: Class C  
Perf+NW: Class B  

Plain  
Colours:  
See page 122
COLOURS AND FINISHES

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STANDARD PAINT COLOURS

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

CUSTOM COLOURS

<table>
<thead>
<tr>
<th>Colour</th>
<th>RAL Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pure White</td>
<td>9010</td>
</tr>
<tr>
<td>Traffic White</td>
<td>9016</td>
</tr>
<tr>
<td>Jet Black</td>
<td>9005</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.
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>
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<tr>
<td>Reveal</td>
<td>8 mm</td>
<td>0 mm</td>
<td>8 mm</td>
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</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 for acoustic information.

<table>
<thead>
<tr>
<th>LS6</th>
<th>LS8</th>
<th>LS10</th>
<th>LS12</th>
<th>LS16</th>
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</thead>
<tbody>
<tr>
<td>(Fe)</td>
<td>(Fe)</td>
<td>(Fe)</td>
<td>(Fe)</td>
<td>(Fe)</td>
</tr>
<tr>
<td>LS6</td>
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<td>LS10</td>
<td>LS12</td>
<td>LS16</td>
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<tr>
<td>(Fe)</td>
<td>(Fe)</td>
<td>(Fe)</td>
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<td>(Fe)</td>
</tr>
</tbody>
</table>

PHYSICAL DATA

Class A1 acc. EN 13501-1

\[ \alpha_W = 0.55-1.00 \]

Colours: Varies with finish

Alu Class B

Depends on Meshtype
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

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 for acoustic information.

PHYSICAL DATA
Class A1
acc. EN 13501-1
α_N = 0.55-1.00

Varies with finish
Colours:
See page 140

Aluminium
Class B

Depends on Meshtype

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)
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 = Primary profile
4 = Nonius hanger
5 = C-Grid suspension shoe
6 = C-Grid profile splice
7 = Primary profile splice
8 = Wall bracket
9 = Cross connector
10 = 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 for acoustic information.

PHYSICAL DATA

Class A1
acc. EN 13501-1

\[ \alpha_W = 0.55-1.00 \]

Depends on Mesh type

Colours:
See page 140

Varies with finish

Alu

Class B

LD28 Moscow (Fe)
(Scale 1:2)

LD20 Rotterdam (Fe)
(Scale 1:2)

LS16 (Fe)

LS12 (Fe)

LS10 (Fe)

LS8 (Fe)

LS6 (Fe)

LD16 (Fe)

LD10 (Fe)
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 for acoustic information.

PHYSICAL DATA
Class A1
acc. EN 13501-1

Colours:
See page 140

$\alpha_{n} = 0.55-1.00$

Depends on Meshtype

Varies with finish

Alu

Class B

LD28 Moscow
(Fe)
(Scale 1:2)

LD20 Rotterdam
(Fe)
(Scale 1:2)

LS6 (Fe)

LS8 (Fe)

LS10 (Fe)

LS12 (Fe)

LS16 (Fe)

LD10 (Fe)

LD16 (Fe)

LD18 (Fe)

LD20 (Fe)

LD28 (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

**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 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
- $\alpha_N = 0.55-1.00$
- Depends on Meshtype
- Colours: See page 140
- Varies with finish
- Alu
- Class B
- Kg

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


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

EN 13963
E1
A
TYPICAL ISOMETRICS
1 = Hook-On plank
2 = Hook-On profile
3 = Primary profile
4 = Suspension
5 = Hook-On profile splice
6 = Primary profile splice

TYPICAL SECTIONS

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

PHYSICAL DATA
Class A1
acc. EN 13501-1

α_W = 0.55-1.00

Colours:
See page 140

Varies with finish

Alu

Class B

Depends on Mesh type
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
BETA HOOK-ON SAFETY LOOP - SPECIAL

TYPICAL ISOMETRICS

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

TYPICAL SECTIONS

MESH PATTERNS

Standard patterns shown. See page 342 for all mesh patterns and technical details. Scale shown: 1:1, unless otherwise noted. See page 347 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
\[ \alpha_W = 0.55-1.00 \]
Colours: Varies with finish
Alu  Class B
Depends on Meshtype

Variants:
- **Class A1** acc. EN 13501-1
- **\[ \alpha_W = 0.55-1.00 \]**
- Colours: Varies with finish
- Alu  Class B
- Depends on Meshtype
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 (non HD)
3 = Suspension (non HD)
4 = Wall bracket (non HD)

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 for acoustic information.

PHYSICAL DATA

Class A1
acc. EN 13501-1

$\alpha_w = 0.55-1.00$

Colours:
See page 140

Varies with finish

Alu

Class B

Depends on Meshype
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>
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</thead>
<tbody>
<tr>
<td>Signal White RAL 9003</td>
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</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>

CUSTOM COLOURS
Project: Microsoft Innovation Centre, Mons, Belgium - Product: Stretch Metal Gamma (Lay-On) - Architect: Reservoir Architectes sprl
WIDE PANEL
300C/300L/300U GENERAL

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

TYPICAL SECTIONS

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

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

DIRECTives:

<table>
<thead>
<tr>
<th>Material</th>
<th>Kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>Al</td>
<td>2.93 kg/m²</td>
</tr>
<tr>
<td>Fe</td>
<td>7.33 kg/m²</td>
</tr>
</tbody>
</table>

OPTIONAL

Colours: See page 150
Curved solutions: See page 194

Exterior solutions: See page 258
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
- Easy plenum access
- On site waste reduction with factory fabricated dimensional material
- Compatible with industry standard lighting, HVAC, speaker, fire safety, and security services

Production by Hunter Douglas Ceiling Center
TYPICAL ISOMETRICS

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

TYPICAL SECTIONS

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

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: \( \alpha_{w} = 0.75 \)

Al: 2.93 kg/m²
Fe: 7.33 kg/m²

0280: 65%

OPTIONAL

Colours: See page 150
WIDE PANEL
300C/300L/300U BANDRASTER

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
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

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

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
D1522: $\varepsilon = 0.75$
D2016: $\varepsilon = 0.75$

Physical Data:
- A: 2.93 kg/m²
- Fe: 7.33 kg/m²

0280: 65%

Colours:
See page 150
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
- 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 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

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

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

Kg

O280: 65%

Colours:
See page 150
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

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<thead>
<tr>
<th>Colour</th>
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<tr>
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<td>0181 ±RAL 9003</td>
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#### NATURE TONES

<table>
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<tr>
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<td>4648</td>
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<td>1883 ±RAL 9011</td>
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#### WARM WHITES

<table>
<thead>
<tr>
<th>Colour</th>
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#### METALS

<table>
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### 300C/300L/300U IN FE

<table>
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<th>Colour</th>
<th>Code</th>
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<tbody>
<tr>
<td></td>
<td>0280 ±RAL 9010</td>
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<tr>
<td></td>
<td>7163</td>
</tr>
<tr>
<td></td>
<td>0181 ±RAL 9003</td>
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</table>
Project: Sint-Vincentius 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: 600 up to 4000 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

* > 4000 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, bend
10 = Upper nonius hanger
11 = 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.

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

PHYSICAL DATA

Colours:
See page 158

Plain: A2-s2,d0

Varies with finish
RAL9010: LR = 0.81

Class B

Perf+NW

Plain

<table>
<thead>
<tr>
<th>Perforation Pattern</th>
<th>Diameter (mm)</th>
<th>Openness</th>
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<tbody>
<tr>
<td>R2011</td>
<td>Ø 2 m</td>
<td>11%</td>
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<tr>
<td>R2516</td>
<td>Ø 2.5 m</td>
<td>16%</td>
</tr>
<tr>
<td>D1522</td>
<td>Ø 1.5 m</td>
<td>22%</td>
</tr>
<tr>
<td>D2022</td>
<td>Ø 2 m</td>
<td>22%</td>
</tr>
<tr>
<td>R1511</td>
<td>Ø 1.5 m</td>
<td>22%</td>
</tr>
</tbody>
</table>

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

**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: 600 up to 4000 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

* > 4000 mm available on request
TAVOLA™ LEVELS

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, bend
10 = Upper nonius hanger
11 = 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

Colours:
Plain: A2-s2-d0

Varies with finish:
RAL9010: LR = 0.81

AL: 4.9 kg/m²
FE: 78 kg/m²
Non-parallel, diverging baffles create organic textures in an unlimited variety of configurations for the interior.

Project: Booking.com, Orlando, FL - Product: Baffles Tavola™ Divergent - Photo credit: MACBETH PHOTO

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: 600 up to 4000 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

* > 4000 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
Colours:
Plain: A2-s2,d0
Varies with finish
RAL9010: LR = 0.81

Plain: Class C
Perf+NW: Class B

αw = 0.4 - 0.5 (H)
Kg
Alu
FE: 78 kg/m²

AL: 4.9 kg/m²
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**

- 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)
TAVOLA™ DIVERGENT
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.

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

**KEY FEATURES**

- Panel length: 800 mm up to 6000 mm
- Panel heights: 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
- Option of deco profile clipped to the bottom of the V100/200 panel. In extruded aluminium or solid wood
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

Plain: Class C

0280: 65%

OPTIONAL

Colours:
See page 162

Exterior solutions:
See page 254
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>Code</th>
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<tr>
<td>0280</td>
<td>±RAL 9010</td>
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<tr>
<td>1883</td>
<td>±RAL 9011</td>
</tr>
<tr>
<td>7163</td>
<td>±RAL 9006</td>
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CUSTOM COLOURS

COLOUR OPTIONS DECOPROFILES ALUMINIUM

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<tr>
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<tbody>
<tr>
<td>Alu natural anodised</td>
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<tr>
<td>RAL 9010</td>
</tr>
</tbody>
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COLOUR OPTIONS DECOPROFILES WOOD

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<td>4654</td>
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<td>4258</td>
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WOOD TONES (OPTIONAL)

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

Example Cell40

**TYPICAL SECTIONS**

- Sliding clip
- Adaptor bracket
- Main runner splice
- Pre-notched hooks (all around, Cell40)
- Clean-cut ends + sliding clips (4/tile, Cell40, Cell50, Cell50E)

**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
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 (CELL40)

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

STANDARD PAINT COLOURS (CELL50E)

0181 ±RAL 9003
0280 ±RAL 9010
7163 ±RAL 9006

STANDARD PAINT COLOURS (CELL50)

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
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.

**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

Plains: Class C

0.35

3.0 - 4.5 kg/m²

OPTIONAL

Colours:

See page 172
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>Code</th>
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<td>0181</td>
<td>RAL 9003</td>
<td>RAL 9011</td>
<td>RAL 9006</td>
</tr>
</tbody>
</table>

CUSTOM COLOURS
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

*Project: City Hall Berkelland, Borculo, The Netherlands - Product: Linear MultiPanel - Architect: IAA Architecten*
TYPICAL ISOMETRICS

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

TYPICAL SECTIONS

PERFORATION PATTERNS

Standard patterns shown. See page 342 for all perforation patterns.
Scale shown: 1:1, unless otherwise noted. See page 348-349 for acoustic information.

PHYSICAL DATA

Plain: A2-s1,d0
Perf+NW: A2-s2,d0
30BXD plain: B-s1,d0
30BXD perf+NW: B-s2,d0

D1523: $\alpha_{uv}=0.75$

AL: 1.9 - 6.0 kg/m²
0280: 65%

OPTIONAL

Colours: See page 176
Curved solutions: See page 202

Exterior solutions: See page 242
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**

![Cool Whites Colors](image)

<table>
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<tr>
<th>Color Code</th>
<th>Descriptive Color</th>
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<tbody>
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**NATURE TONES**

![Nature Tones Colors](image)

<table>
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<th>Color Code</th>
<th>Descriptive Color</th>
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</thead>
<tbody>
<tr>
<td>1585</td>
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</tr>
<tr>
<td>1883</td>
<td>±RAL 9011</td>
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**WARM WHITES**

![Warm Whites Colors](image)

<table>
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<th>Descriptive Color</th>
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<tbody>
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<tr>
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**METALS**

![Metals Colors](image)

<table>
<thead>
<tr>
<th>Color Code</th>
<th>Descriptive Color</th>
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<tbody>
<tr>
<td>7163</td>
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<td>7007</td>
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<td>7178</td>
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**WOOD TONES**

(only available for 30BD, 30BXD, 80B, 130B)

![Wood Tones Colors](image)

<table>
<thead>
<tr>
<th>Color Code</th>
<th>Descriptive Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>8476</td>
<td>Cedar</td>
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<tr>
<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.

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

**KEY FEATURES**

- Panel width: 30 mm, joint width 20 mm (standard) or 30 mm (CCA)
- Panel length: 800 mm up to 6000 mm
- Panel depths: 39 mm (30BD) and 64 mm (30BXD)
- 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

Production by Hunter Douglas Ceiling Center
TYPICAL ISOMETRICS
1 = 30BD / 30BXD panel
2 = Al carrier module 50 or 60
3 = Hanger
4 = Al 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 348-349 for acoustic information.

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

D1523: αw=0.75

Al: 3.8 - 6.0 kg/m²

0280: 65%

OPTIONAL

Colours:
See page 180
COLOURS AND FINISHES

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COOL WHITES

<table>
<thead>
<tr>
<th>Cool Whites</th>
<th>Custom Colours</th>
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<tbody>
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<td>0299</td>
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NATURE TONES

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<tbody>
<tr>
<td>1585</td>
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<td>0785</td>
<td>0735</td>
</tr>
<tr>
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WARM WHITES

<table>
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METALS

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WOOD TONES

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<td>8476 Cedar</td>
<td>8474 Pine</td>
<td>8494 Oak</td>
<td>8492 Birch</td>
<td>8472 Palisander</td>
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</tbody>
</table>
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
### 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

![Typical Isometrics Diagram]

### 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 for acoustic information.

![Perforation Patterns Diagram]

### Physical Data

<table>
<thead>
<tr>
<th>Type</th>
<th>Class</th>
<th>Density</th>
<th>Openness</th>
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<td>65%</td>
<td>23%</td>
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<tr>
<td>Perf+NW</td>
<td>B</td>
<td>0280: 65%</td>
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</table>

### Optional

Colours: See page 184
COLOURS AND FINISHES

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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

CUSTOM COLOURS
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
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

84B

84C

84R

TYPICAL SECTIONS

84B

84C

84R

PERFORATION PATTERNS

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

D1523
Ø 1.5 mm
A = 7 mm
Openness 23%

PHYSICAL DATA

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

D1523: αw=0.75
Al: 2.2 - 2.5 kg/m²
0280: 65%

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

CUSTOM COLOURS

NATURE TONES

WARM WHITES

METALS

WOOD TONES

84C

0280  ±RAL 9010
0581  ±RAL 9001
0585
7163
7007
7178
8476 Cedar
8474 Pine
8494 Oak
8492 Birch
8472 Palisander

0181  ±RAL 9003
0106  ±RAL 9016
0299
0179

1585
4648
0785
0735
1883  ±RAL 9011

0280  ±RAL 9010
0581  ±RAL 9001
0585
7163
7007
7178
8476 Cedar
8474 Pine
8494 Oak
8492 Birch
8472 Palisander

0280  ±RAL 9010
7163
Project: Vitesse Trainingscomplex Papendal, Arnhem, The Netherlands - Product: Linear 84B
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 for acoustic information.

PHYSICAL DATA

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

D1523: $\alpha_{\mu}=0.75$
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
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.

**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

Production by Hunter Douglas Ceiling Center
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: \( \alpha_v = 0.75 \)
D2016: \( \alpha_v = 0.75 \)

D1523: \( \text{Al: } 2.9 \text{ kg/m}^2 \) \( \text{Fe: } 73 \text{ kg/m}^2 \)
D2016: \( \text{Al: } 2.9 \text{ kg/m}^2 \) \( \text{Fe: } 73 \text{ kg/m}^2 \)

Colours:
See page 196

Exterior solutions:
See page 258
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

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### Nature Tones

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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**

1. Concave  
2. Convex

**Perforation Patterns**

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

1. Plain  
2. D1523: Ø 1.5 mm  
3. A = ca. 7 mm  
4. Openness 23%  
5. 84R

**Physical Data**

Plain: A2-s1,d0  
Perf+NW: A2-s2,d0  
D1523: \( \alpha_w = 0.75 \)  
AI: 2.5 kg/m²  
0280: 65%

**Optional**

Colours:  
See page 200  
Exterior solutions:  
See page 236
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

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Project: Dubai Mall, Burj Dubai, United Arab Emirates - Product: Curved 84R - Architect: DP Architects PTE Ltd
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
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 348-349 for acoustic information.

PHYSICAL DATA

Plain: A2-s1.d0
Kg: 2.5 kg/m²
Perf+NW: A2-s2.d0
0280: 65%

Plain: Class C
Perf+NW: Class B

D1523 • d=1.5 mm
0.3 → 5.2
Openness 23%

D2016 (300C Only)
Ø 2 mm
0.5 → 8.66
Openness 16%

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 of 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 Letňany Refit, Prague, Czechia
Architect: Chapman Taylor Prague
Product: Custom Baffle Ceiling
Project: Spoorzone Delft, The Netherlands
Product: Custom Baffle Ceiling
Architect: Benthem Crouwel Architects

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
Create a cozy, relaxing atmosphere with a futuristic perspective to facilitate new ways of working.

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

THE PROJECT

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

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

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

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 en 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 SOLUTIONS

XL ACOUSTIC PANELS

XLnt

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.
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
EXTERIOR CEILINGS

SOLID WOOD 232
LINEAR PANEL 70U/84R 238
MULTIPANEL 242
LINEAR CLOSED 246
150F/200F 250
V100 254
300C/300L 258
BETA SAFETY-LOOP 262
SUSPENSION SYSTEM PROFIX™ 266
Design a beautiful outdoor 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 specie
- Mixed length with a minimum of 900 mm, manufactured inclusive tongue and groove connection. Fixed lengths on request
- Panel thickness from 15 mm up to 20 mm
- Available in different modules and joint width
- For outside application the joint between the panel will be covered with a special Ultra Fiber black glued and stapled
- With the 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

EN 13964
E1
A+
TYPICAL ISOMETRICS
1 = Solid Wood Linear panel
2 = Pre-applied Ultra Fiber black
3 = Carrier
4 = Clip (pre-fixed)
5 = Panel fixation pin
6 = Nonius hanger

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

PHYSICAL DATA
B-s2,d0 According to EN 13501-1
5.0 - 12.0 kg/m²

Moist cloth

OPTIONAL
Acoustic cloth
Black
Colours: See page 236
Specially selected wood species can be used under external canopies.


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

PHYSICAL DATA
B-s2,d0 According to EN 13501-1
6.0 - 15.0 kg/m²
Moist cloth

OPTIONAL
Acoustic cloth
Back
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
- Fräke Noir
- Mahogany
- Western Red Cedar
- Jatoba
- Bamboo
SOLID WOOD

EXTERIOR CEILINGS

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
10 = 84R panel
11 = Carrier
12 = Screw washer
13 = Reinforcement
14 = Hanger
15 = Top fixing
16 = Panel splice
17 = Locking clip
18 = Non-HD

Spans vary with the applicable wind load

TYPICAL SECTIONS

PERFORATION PATTERNS

Plain

PHYSICAL DATA

Plain: A2-s1,d0
Al: 2.2 - 3.2 kg/m²
EN 1191-1-4

Luxacote® finish

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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CUSTOM COLOURS

STANDARD LUXACOTE® PAINT COLOURS 70U

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CUSTOM COLOURS
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|XD: B-s1,d0

Kg

Al: 2.1 - 4.5 kg/m²

EN 1191-14

OPTIONAL

Colours:
See page 244
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 80B AND 30BD**

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

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

Project: Poleczki Business Park, Warswa, Poland - Product: Linear Closed Exterior - Architect: RKW
TYPICAL ISOMETRICS

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

Spans vary with the applicable wind load

TYPICAL SECTIONS

PERFORATION PATTERNS

Plain

PHYSICAL DATA

Plain: A2-s1.d0
Al: 4.5–5.0 kg/m²
EN 1191-1-4

OPTIONAL

Colours:
See page 248
COLOURS AND FINISHES

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STANDARD LUXACOTE® PAINT COLOURS

<table>
<thead>
<tr>
<th>Code</th>
<th>Colour Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0260</td>
<td>±RAL 9010</td>
<td></td>
</tr>
<tr>
<td>0401</td>
<td>±RAL9002</td>
<td></td>
</tr>
<tr>
<td>1660</td>
<td>±RAL 7015</td>
<td>(75C only)</td>
</tr>
<tr>
<td>7035</td>
<td>±RAL 9007</td>
<td>(75C only)</td>
</tr>
<tr>
<td>7080</td>
<td>±RAL 9006</td>
<td></td>
</tr>
</tbody>
</table>

CUSTOM COLOURS

<table>
<thead>
<tr>
<th>Code</th>
<th>Colour Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0402</td>
<td>±RAL 9001</td>
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</tr>
<tr>
<td>1661</td>
<td>±RAL 7016</td>
<td>(75C only)</td>
</tr>
<tr>
<td>7036</td>
<td>±RAL 9008</td>
<td>(75C only)</td>
</tr>
<tr>
<td>7081</td>
<td>±RAL 9007</td>
<td></td>
</tr>
</tbody>
</table>
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  
4.8-8.2 kg/m²  
EN 1191-1

**OPTIONAL**

Colours:  
See page 262

Luxacote® finish  
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.

PROTECTED BY LUXACOTE®

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

Unprecedented Protection

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

- 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

OPTIONAL
Colours:
See page 256
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®

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STANDARD LUXACOTE® PAINT COLOURS

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

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.

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

Production by Hunter Douglas Ceiling Center
TYPICAL ISOMETRICS

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

Spans vary with the applicable wind load

TYPICAL SECTIONS

300C

300L

PERFORATION PATTERNS

Plain

PHYSICAL DATA

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

OPTIONAL

Colours:
See page 260
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®

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

STANDARD LUXACOTE® PAINT COLOURS

<table>
<thead>
<tr>
<th>Code</th>
<th>Colour</th>
</tr>
</thead>
<tbody>
<tr>
<td>0260</td>
<td>±RAL 9010</td>
</tr>
<tr>
<td>0401</td>
<td>±RAL 9002</td>
</tr>
<tr>
<td>7080</td>
<td>±RAL 9006</td>
</tr>
</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.

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

**KEY FEATURES**

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

Production by Hunter Douglas Ceiling Center

---

EN 13963  
ET  
A  
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  
Al: 4.5 kg/m²  
EN 1191-1-4

**OPTIONAL**

Colours:  
See page 264
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

- Pure White RAL 9010

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 8944
- American Oak 8439
- Swamp Cypress 8444
- Clipper Teak 8446
- Terrace Maple 8466
- Whitewash 8496
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

Production by Hunter Douglas Ceiling Center

EN 13961
A+ 60%
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 HeartFelt®.

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 HeartFelt® was introduced as a wall system, we devised a solution specifically for curved walls, so it is ideal for this setting.

Hunter Douglas supplied HeartFelt® 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: UAUcollectivism, Jaspers-Evers Architecten
Product: HeartFelt® Linear Wall system
Project: Parly 2, Le Chesnay, France
Architect: Saguez & Partners
Product: HeartFelt® Linear Wall systems
HeartFelt® is an innovative, patented felt product that turns every wall into a visual and acoustic playground.

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

**KEY FEATURES**

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

Production by Hunter Douglas Ceiling Center
HEARTFELT® - LINEAR

TYPICAL ISOMETRICS
1 = HeartFelt® panel 40HL55
2 = Carrier
3 = Locking strip
4 = Push nail
5 = Support profile (Non-HD)
6 = Endcaps (Optional)

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

TYPICAL HORIZONTAL SECTION

PHYSICAL DATA

| Class B | Varies with colour | 40HL55 M50: $a_w = 0.70 \text{ m}^2$ (H) | 40HL105 M200: $a_w = 0.40 \text{ m}^2$ (H) |
| Kg | 40HL55 M50: 4.6 kg/m² | 40HL105 M200: 1.3 kg/m² |

OPTIONAL

| Colours: See page 278 | Ceiling solutions: see page 28 |
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 - $\alpha_W$

<table>
<thead>
<tr>
<th>Module (mm)</th>
<th>Joint (mm)</th>
<th>Openness %</th>
<th>$\alpha_W$</th>
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</thead>
<tbody>
<tr>
<td>M50</td>
<td>10</td>
<td>20%</td>
<td>0.70 (H)</td>
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<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>
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<td>M80</td>
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<tr>
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<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
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
- $\alpha_w = 0.30 - 0.50$
- See page 346
- 5.0 - 12.0 kg/m²
- Moist cloth

**OPTIONAL**

- Acoustic cloth
  - See page 384
- Black
- Ceiling solutions:
  - See page 44
- Exterior solutions:
  - See page 232
- Colours:
  - See page 384
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
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

$\alpha_w = 0.30 - 0.50$

$6.0 - 15.0 \text{ kg/m}^2$

OPTIONAL

Acoustic cloth
Black

Colours:
See page 384

Exterior solutions:
See page 234

Ceiling solutions:
See page 46
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.

**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

---

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

EN 13906
ET

A+
**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)
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*
TYPICAL ISOMETRICS

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

TYPICAL SECTIONS

Vertical
Grill wall application

Horizontal
Grill wall application

PHYSICAL DATA

B-s2,d0 According to EN 13501-1
Up to $\alpha_{w,0}$ 0.50
See page 346
10.0 - 15.0 kg/m²

Moist cloth

OPTIONAL

Colours:
See page 294

Ceiling solutions:
See page 56
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

Promoting sustainable forest management [www.pefc.org](http://www.pefc.org)

The mark is responsible forestry
TYPICAL ISOMETRICS
1 = Wall Panel
2 = Metal screw clip
3 = Acoustic or solid infill strip
4 = Wooden or metal substructure (non HD)

TYPICAL SECTIONS

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

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 $\alpha_v = 0.95$
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.

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

**KEY FEATURES**

- Interior applications
- High performance sound absorbing panels
- Pre-applied acoustic non-woven material on reverse side
- MDF core finished with wood veneer
- Various slotted perforations with different acoustic performances and designs
- Fire retardant and moisture resistant solutions
- Staining possibilities
- Variety of organic or engineered wood veneers, FSC or PEFC certified
- Installation directly on substructure (non HD)
- Fixing with metal screw clips
- Tongue and groove connection to create uniform appearance
- Horizontal, vertical or diagonal direction
- Dimensions: 128 x 2780 / 256 x 2780 mm
- Panel thickness: 17 mm
- Other sizes and dimensions are available upon request

---

The mark is responsible forestry www.pefc.org
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 3 mm
Openness 9%

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

PHYSICAL DATA

Perf: B-s2,d0

Moist cloth

Up to $\alpha_{eq}$ 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 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.
VENEERED WOOD

WALL SYSTEMS
VENEERED WOOD TOPLINE

Project: Amity University Dubai, UAE - Product: Veneered Wood Ceiling and Wall Panels, American Cherry, Nano perforation - Architect: IR Design
VENEERED WOOD

WALL SYSTEMS
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.
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
TYPICAL SECTIONS

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

ACOUSTICS

See page 344 for acoustic performance information

PHYSICAL DATA

Class B

Class 1A

Class 1AClass B

Varies with colour

40HL55 M50:
\[ a_w = 0.70 \text{ m}^2 (H) \]

40HL55 M50: 4.6 kg/m²

40

55

90

HeARTFELT® - LINEAR

SPORTS CeILINGS

HEARTFELT® - LINEAR

TYPICAL ISOMETRICS

Maximum panel span 1200 mm, maximum panel cantilever 150 mm

1

2

3

4

5

6

7

8

9

10

11

Panell 40HL55
Panel Splice
Carrier
Carrier splice
Stabilisation bracket
Stabilisation profile
Reinforcement frame
Tiewrap steel
Lower nonius hanger bend
Upper nonius hanger
Locking clip

See page 276

Kg

Colours:
See page 306

Wall application see page 276
**COLOURS**

Colours are for illustration purposes only.

**SHADES OF GREY**

<table>
<thead>
<tr>
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<th>Code</th>
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<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>
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</table>

**EARTH TONES**

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<tr>
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<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

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

Project: Kenwick Park Hotel, Louth, Lincolnshire, United Kingdom - Product: Solid Wood Linear open ceiling - Architect: Franklin Ellis Architects

**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

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
5.0 - 12.0 kg/m²

Moist cloth
Class 1A

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
\( \alpha_w \) 0.30 - 0.50 See page 346
5.0 - 12.0 kg/m²

Moist cloth
Class 1A

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
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

---

**TYPICAL SECTIONS**

---

**PHYSICAL DATA**

- **Moist cloth**: Up to $\alpha_{eq} 0.50$  
  See page 346
- **Class 1A**
- **Acoustic cloth**: Black

---

**OPTIONAL**

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

---

* hunterdouglasarchitectural.eu | 315*
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

Promoting sustainable forest management www.pefc.org

The mark is responsible forestry
TYPICAL ISOMETRICS

1 = Grill Element
2 = Metal dowel
3 = Dowel clip
4 = Main runner
5 = Cross runner
6 = Cross lock bracket
7 = Nonius hanger

TYPICAL SECTIONS

PHYSICAL DATA

- Plain: B-s2,d0
- Moist cloth
- Up to $\alpha_{\text{nu}}$ 0.50
- Acoustic cloth: Back
- 10.0 - 15.0 kg/m²

OPTIONAL

- Colours: See page 318
- Wall solutions: See page 288

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SPORTS CEILINGS

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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

When you need to make an impact, 70U Linear metal ceiling system is the obvious choice.

**Project:** Swimming Pool Steinerbos, Stein, The Netherlands - **Product:** Linear 70U ceiling - **Architect:** Op ’t Root en Beerts Architecten

**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

Production by Hunter Douglas Ceiling Center
**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**

---

**PERFORATION PATTERNS**

Plain

---

**PHYSICAL DATA**

Plain: A2-s1,d0  
Up to $\alpha_w 0.50$  
Al: 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

CUSTOM 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

<table>
<thead>
<tr>
<th>Colour</th>
<th>Code</th>
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</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>
</tbody>
</table>

CUSTOM COLOURS

- Pure White RAL 9010
- White Aluminium RAL 9006
- Jet Black RAL 9005
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.

Project: Ronald Mc Donald Centre, Amsterdam, The Netherlands - Product: Stretch Metal Gamma (Sports Hall) - Architect: FACT Architects

**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**

Maximum spans primary grid 1200 mm  
Maximum cantilevers 300 mm

**MESH PATTERN**

Scale 1:2  
LD28 Moscow (Fe)

**PHYSICAL DATA**

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

<table>
<thead>
<tr>
<th>STANDARD PAINT COLOURS</th>
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<tr>
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<td>Pure White RAL 9010</td>
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<tr>
<td>White Aluminium RAL 9006</td>
<td></td>
</tr>
<tr>
<td>Jet Black RAL 9005</td>
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</tr>
</tbody>
</table>
Project: Ronald McDonald Centre, Amsterdam, The Netherlands - Product: Stretch Metal Gamma (Sports Hall) - Architect: FACT Architects
Project: Ronald Mc Donald Centre, Amsterdam, The Netherlands - Product: Stretch Metal Gamma (Sports Hall) - Architect: FACT Architects
Project: Sports hall, Amersfoort, The Netherlands
Product: Veneered wood linear
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.

**Stretch Metal**

**Square mesh collection**

- **LS8 (Fe) (Scale 1:1)**
  - Open area: 36%
  - Weight: 4.2 kg/m²
  - Thickness: 1.5 mm
  - Dimensions: 6 x 4.5 - 1.2 x 1.0

- **LS10 (Fe) (Scale 1:1)**
  - Open area: 57%
  - Weight: 3.2 kg/m²
  - Thickness: 2.0 mm
  - Dimensions: 10 x 7.0 - 1.5 x 1.0

- **LS16 (Fe) (Scale 1:1)**
  - Open area: 46%
  - Weight: 4.3 kg/m²
  - Thickness: 4.0 mm
  - Dimensions: 16 x 11.0 - 3.0 x 1.0

**Diamond mesh collection**

- **LD10 (Fe) (Scale 1:1)**
  - Open area: 45%
  - Weight: 4.1 kg/m²
  - Thickness: 2.0 mm
  - Dimensions: 10 x 5.8 - 1.5 x 1.0

- **LD16 (Fe) (Scale 1:1)**
  - Open area: 47%
  - Weight: 4.0 kg/m²
  - Thickness: 3.0 mm
  - Dimensions: 16 x 8.0 - 2.0 x 1.0

**Diamond special mesh collection**

- **LD20 Rotterdam (Scale 1:2)**
  - Open area: 55%
  - Weight: 4.6 kg/m²
  - Thickness: 3.5 mm
  - Dimensions: 20 x 10 - 2.0 x 1.5

- **LD28 Moscow (Scale 1:2)**
  - Open area: 55%
  - Weight: 4.8 kg/m²
  - Thickness: 3.5 mm
  - Dimensions: 28 x 10 - 2.0 x 1.5

- **LD43 Paris (Fe) (Scale 1:2)**
  - Open area: 60%
  - Weight: 4.4 kg/m²
  - Thickness: 4.0 mm
  - Dimensions: 43 x 13 - 2.5 x 1.5

- **LD62 Dubai (Scale 1:4)**
  - Open area: 36%
  - Weight: 8.2 kg/m²
  - Thickness: 10 mm
  - Dimensions: 62 x 23 - 8.0 x 1.5

- **LD85 New York (Fe) (Scale 1:4)**
  - Open area: 49%
  - Weight: 9.9 kg/m²
  - Thickness: 14 mm
  - Dimensions: 85 x 35 - 11 x 2.0

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

Veneered Wood Tiles & Panels

Single perforations - Regular (Scale 1:5)

- **R5008** Ø 5 mm
  - Openness: 8%
- **R7015** Ø 7 mm
  - Openness: 16%
- **R8020** Ø 8 mm
  - Openness: 16%
- **R8005** Ø 8 mm
  - Openness: 32%
- **R9006** Ø 9 mm
  - Openness: 32%
- **R10008** Ø 10 mm
  - Openness: 32%

Single perforations - Irregular (Scale 1:5)

- **D8005** Ø 8 mm
  - Openness: 5%
- **D9006** Ø 9 mm
  - Openness: 16%
- **D9003** Ø 9 mm
  - Openness: 64%
- **D10004** Ø 10 mm
  - Openness: 64%

Double perforations - Regular (Scale 1:5)

- **R1503A** Ø 1.5 mm
  - Openness: 3%
- **R2005A** Ø 2 mm
  - Openness: 5%
- **R3003A** Ø 3 mm
  - Openness: 5%
- **R5008B** Ø 5 mm
  - Openness: 16%
- **R7015B** Ø 7 mm
  - Openness: 16%

Nano perforations (Scale 1:1)

- **D0505A** Ø 0.5 mm
  - Regular: 1.9
  - Openness: 5%

Slotted perforation (Scale 1:20)

- **R9724S** WxH 97/8 mm
  - Regular: 24
  - Openness: 24%
- **R9718S** WxH 97/8 mm
  - Regular: 32
  - Openness: 18%
- **R9711S** WxH 97/8 mm
  - Regular: 48
  - Openness: 11%
- **D9724S** WxH 97/8 mm
  - Irregular: 24
  - Openness: 24%
- **D9711S** WxH 97/8 mm
  - Irregular: 48
  - Openness: 11%

Topline Panels

Topline grooves - View sides

- **Topline 6/2**
  - Plain: 6 mm
  - Groove: 2 mm
  - Openness: 25%
- **Topline 5/3**
  - Plain: 5 mm
  - Groove: 3 mm
  - Openness: 25%
- **Topline 13/3**
  - Plain: 13 mm
  - Groove: 3 mm
  - Openness: 19%
- **Topline 14/2**
  - Plain: 14 mm
  - Groove: 2 mm
  - Openness: 13%
- **Topline 29/3**
  - Plain: 29 mm
  - Groove: 3 mm
  - Openness: 9%
- **Topline 28/4**
  - Plain: 28 mm
  - Groove: 4 mm
  - Openness: 13%
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

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HEARTFELT® LINEAR

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

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

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Report: Peutz A 3523-2E-RA-001

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

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# ACOUSTIC TEST RESULTS

## HEARTFELT® BAFFLES

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

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## VENEERED WOOD TILES AND PANELS

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### Report: Peutz A 3625-2E-RA-001-Preliminary graphs 2019-02-26

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

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<th>$\alpha_w$</th>
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### Report: Peutz A 1346-1E-RA

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<th>$\alpha_w$</th>
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<tbody>
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## RESOURCES

### ACOUSTIC TEST RESULTS

### VENEERED WOOD TILES AND PANELS

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

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<th>4000 Hz</th>
<th>$\alpha_w$</th>
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#### Report: Peutz A 1346-1E-RA

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<tr>
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### VENEERED WOOD TOPLINE

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<th>2000 Hz</th>
<th>4000 Hz</th>
<th>$\alpha_w$</th>
<th>NRC</th>
<th>Class</th>
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<tbody>
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<td>0.87</td>
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<td>0.65 (LM)</td>
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<td>0.89</td>
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<td>0.92</td>
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<td>0.69</td>
<td>0.85</td>
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#### Report: Peutz A 3806

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<th>4000 Hz</th>
<th>$\alpha_w$</th>
<th>NRC</th>
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### SOLID WOOD & VENEERED WOOD LINEAR

#### Report: Peutz A 3806

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<th>4000 Hz</th>
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### SOLID WOOD & VENEERED WOOD GRILL

#### Report: Peutz A 3806

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<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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<tr>
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### METAL PLANKS

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

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<th>1000 Hz</th>
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<th>4000 Hz</th>
<th>$\alpha_w$</th>
<th>NRC</th>
<th>Class</th>
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<tbody>
<tr>
<td>670 x 1500 mm 1</td>
<td>-</td>
<td>R3.0U8.4x6.4 (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>
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<td>0.70 (LM)</td>
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<td>C</td>
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<tr>
<td>670 x 1500 mm 2</td>
<td>40 mm</td>
<td>R3.0U8.4x6.4 (R316)</td>
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<td>0.83</td>
<td>0.95</td>
<td>0.96</td>
<td>0.89</td>
<td>0.95</td>
<td>0.90</td>
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# ACOUSTIC TEST RESULTS

## METAL PLANKS

**Report: Peutz A 1647-1E-RA**

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<th>Mounting</th>
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<th>2000 Hz</th>
<th>4000 Hz</th>
<th>$\alpha_{w}$</th>
<th>NRC</th>
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<td>600 x 1200 mm</td>
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## TILES

**Report: CSI_0129-A-DC-ACU-08**

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<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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<tbody>
<tr>
<td>600 x 600 mm</td>
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**Report: CSI_0129-B-DC-ACU-08rev01**

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<th>4000 Hz</th>
<th>$\alpha_{w}$</th>
<th>NRC</th>
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<td>0.70</td>
<td>0.55</td>
<td>0.50</td>
<td>0.55</td>
<td>0.55</td>
<td>0.55 (L)</td>
<td>0.55</td>
<td>D</td>
</tr>
</tbody>
</table>

## STRETCH METAL

**Report: Giordano 149594**

<table>
<thead>
<tr>
<th>Panel type</th>
<th>Lay-In pad</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>
</tr>
</thead>
<tbody>
<tr>
<td>800 x 800 mm</td>
<td>40 mm D35</td>
<td>LS8/ O8</td>
<td>-</td>
<td>E300</td>
<td>0.60</td>
<td>0.90</td>
<td>0.85</td>
<td>0.95</td>
<td>1.00</td>
<td>1.00</td>
<td>0.95</td>
<td>0.93</td>
<td>A</td>
</tr>
</tbody>
</table>

**Report: Giordano 149595**

<table>
<thead>
<tr>
<th>Panel type</th>
<th>Lay-In pad</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>
</tr>
</thead>
<tbody>
<tr>
<td>600 x 600 mm</td>
<td>25 mm D24</td>
<td>LD6/ R6</td>
<td>-</td>
<td>E300</td>
<td>0.45</td>
<td>0.80</td>
<td>0.80</td>
<td>0.80</td>
<td>0.90</td>
<td>1.00</td>
<td>0.85</td>
<td>0.83</td>
<td>B</td>
</tr>
</tbody>
</table>

**Report: Giordano 149596**

<table>
<thead>
<tr>
<th>Panel type</th>
<th>Lay-In pad</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>
</tr>
</thead>
<tbody>
<tr>
<td>600 x 600 mm</td>
<td>25 mm D24</td>
<td>LS8/ O8</td>
<td>-</td>
<td>E300</td>
<td>0.50</td>
<td>0.80</td>
<td>0.80</td>
<td>0.80</td>
<td>0.85</td>
<td>1.00</td>
<td>0.85</td>
<td>0.81</td>
<td>B</td>
</tr>
</tbody>
</table>

**Report: Giordano 149597**

<table>
<thead>
<tr>
<th>Panel type</th>
<th>Lay-In pad</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>
</tr>
</thead>
<tbody>
<tr>
<td>800 x 800 mm</td>
<td>85 mm D24</td>
<td>LS10/ Q10</td>
<td>-</td>
<td>E300</td>
<td>0.75</td>
<td>0.90</td>
<td>0.95</td>
<td>0.95</td>
<td>1.00</td>
<td>1.00</td>
<td>1.00</td>
<td>0.95</td>
<td>A</td>
</tr>
</tbody>
</table>
# Acoustic Test Results

## Wide Panel

Report: TPD-HAG-RPT-940037

<table>
<thead>
<tr>
<th>Panel type</th>
<th>Infill</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>C_w</th>
<th>NRC Class</th>
</tr>
</thead>
<tbody>
<tr>
<td>300C</td>
<td>-</td>
<td>300</td>
<td>R1.5T3 (D1522)</td>
<td>√</td>
<td>E400</td>
<td>0.62</td>
<td>0.82</td>
<td>0.60</td>
<td>0.70</td>
<td>0.78</td>
<td>0.77</td>
<td>0.75 (L)</td>
<td>0.70</td>
</tr>
<tr>
<td>300C</td>
<td>25 mm</td>
<td>300</td>
<td>R1.5T3 (D1522)</td>
<td>√</td>
<td>E400</td>
<td>0.76</td>
<td>0.99</td>
<td>0.75</td>
<td>0.97</td>
<td>1.05</td>
<td>0.95</td>
<td>-</td>
<td>0.90</td>
</tr>
<tr>
<td>300C</td>
<td>25 mm</td>
<td>300</td>
<td>R2.0T5 (D2016)</td>
<td>√</td>
<td>E400</td>
<td>0.61</td>
<td>0.85</td>
<td>0.59</td>
<td>0.75</td>
<td>0.78</td>
<td>0.76</td>
<td>0.75 (L)</td>
<td>0.75</td>
</tr>
</tbody>
</table>

Report: Peutz AT 1223-1

<table>
<thead>
<tr>
<th>Panel type</th>
<th>Infill</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>C_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>
<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>
<td>0.90</td>
</tr>
</tbody>
</table>

## Baffles

Report: Peutz AT 1223-1

<table>
<thead>
<tr>
<th>Panel type</th>
<th>Infill</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>C_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>E200</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>
<td>0.49</td>
</tr>
<tr>
<td>30 x 200 mm</td>
<td>-</td>
<td>200</td>
<td>R1.5T3 (D1522)</td>
<td>√</td>
<td>E200</td>
<td>0.17</td>
<td>0.37</td>
<td>0.42</td>
<td>0.37</td>
<td>0.47</td>
<td>0.52</td>
<td>0.50</td>
<td>0.41</td>
</tr>
<tr>
<td>30 x 200 mm</td>
<td>-</td>
<td>300</td>
<td>R1.5T3 (D1522)</td>
<td>√</td>
<td>E200</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>
<td>0.40</td>
<td>0.37</td>
</tr>
<tr>
<td>30 x 200 mm</td>
<td>-</td>
<td>400</td>
<td>R1.5T3 (D1522)</td>
<td>√</td>
<td>E200</td>
<td>0.17</td>
<td>0.39</td>
<td>0.43</td>
<td>0.43</td>
<td>0.55</td>
<td>0.62</td>
<td>0.40</td>
<td>0.46</td>
</tr>
<tr>
<td>30 x 200 mm</td>
<td>-</td>
<td>200</td>
<td>R1.5T3 (D1522)</td>
<td>√</td>
<td>E400</td>
<td>0.21</td>
<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>
<td>0.43</td>
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</table>

## Cell

Report: Peutz A1106-1E

<table>
<thead>
<tr>
<th>Panel type</th>
<th>Lay-In 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>C_w</th>
<th>NRC Class</th>
</tr>
</thead>
<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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<td>0.30</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>0.1</td>
<td>0.17</td>
<td>0.22</td>
<td>0.41</td>
<td>0.60</td>
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<td>0.20</td>
</tr>
<tr>
<td>Cell40</td>
<td>-</td>
<td>200</td>
<td>R1.0T2 (D1023)</td>
<td>√</td>
<td>E200</td>
<td>0.02</td>
<td>0.07</td>
<td>0.12</td>
<td>0.15</td>
<td>0.31</td>
<td>0.47</td>
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</table>

Report: Peutz A3729-2E-RA

<table>
<thead>
<tr>
<th>Panel type</th>
<th>Lay-In 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>C_w</th>
<th>NRC Class</th>
</tr>
</thead>
<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>
<td>0.80</td>
<td>0.77</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>
<td>0.85</td>
<td>0.79</td>
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</tbody>
</table>

## Linear

Report: Peutz A1846-1E

<table>
<thead>
<tr>
<th>Panel type</th>
<th>Joint</th>
<th>Infill</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>C_w</th>
<th>NRC Class</th>
</tr>
</thead>
<tbody>
<tr>
<td>30BD</td>
<td>open</td>
<td>√</td>
<td>50</td>
<td>R1.0T2 (D1022)</td>
<td>√</td>
<td>E0</td>
<td>0.06</td>
<td>0.23</td>
<td>0.70</td>
<td>0.91</td>
<td>0.77</td>
<td>0.82</td>
<td>0.55 (MH)</td>
<td>0.65</td>
</tr>
<tr>
<td>30BD</td>
<td>open</td>
<td>√</td>
<td>50</td>
<td>R1.0T2 (D1022)</td>
<td>√</td>
<td>E100</td>
<td>0.06</td>
<td>0.26</td>
<td>0.69</td>
<td>0.74</td>
<td>0.80</td>
<td>0.87</td>
<td>0.55</td>
<td>0.65</td>
</tr>
<tr>
<td>30BD</td>
<td>open</td>
<td>√</td>
<td>50</td>
<td>R1.0T2 (D1022)</td>
<td>√</td>
<td>E400</td>
<td>0.15</td>
<td>0.23</td>
<td>0.46</td>
<td>0.76</td>
<td>0.90</td>
<td>0.91</td>
<td>0.50</td>
<td>0.60</td>
</tr>
<tr>
<td>30BD</td>
<td>open</td>
<td>-</td>
<td>50</td>
<td>R1.0T2 (D1022)</td>
<td>√</td>
<td>E400</td>
<td>0.17</td>
<td>0.27</td>
<td>0.35</td>
<td>0.65</td>
<td>0.69</td>
<td>0.71</td>
<td>0.45</td>
<td>0.46</td>
</tr>
<tr>
<td>30BD</td>
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<td>-</td>
<td>50</td>
<td>R1.0T2 (D1022)</td>
<td>√</td>
<td>E400</td>
<td>0.55</td>
<td>0.69</td>
<td>0.57</td>
<td>0.73</td>
<td>0.85</td>
<td>0.80</td>
<td>0.65 (LH)</td>
<td>0.70</td>
</tr>
</tbody>
</table>
LINEAR
Report: Peutz A 2558-1E-RA
Panel type
Linear

Joint

Infill

Module

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

0.55 (H)

0.50

C

0.53

0.77

0.67

0.84

0.89

0.75 (H)

0.70

C

30BXD

open

-

50

R1.5T3 (D1522)

√

E200

125
Hz
0.08

30BXD

closed

-

50

R1.5T3 (D1522)

√

E200

0.18

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

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

30BD

closed

50

R1.0T2 (D1022)

√

E400

0.55

0.69

0.57

0.73

0.85

0.80

0.65 (LH)

0.70

C

30BD

closed

50

R1.0T2 (D1022)

√

E400

0.55

0.69

0.57

0.73

0.85

0.80

0.65 (LH)

0.70

C

250
Hz
0.67

500
Hz
0.63

1000
Hz
0.71

2000
Hz
0.77

Report: Peutz A 2760-2E-RA-001
Panel type Joint
Linear

Lay-On
pad

Module

Perforation

NW

Mounting

100

R1.5T3 (D1522)

√

E400

125
Hz
0.40

4000
Hz
0.68

aw

NRC Class

0.70

0.70

80B

closed

-

C

130B

closed

-

150

R1.5T3 (D1522)

√

E400

0.42

0.68

0.63

0.70

0.77

0.70

0.70

0.70

C

180B

closed

-

200

R1.5T3 (D1522)

√

E400

0.41

0.69

0.62

0.71

0.78

0.70

0.70

0.70

C

80B

closed

40 mm

100

R1.5T3 (D1522)

√

E400

0.47

0.77

0.83

0.88

0.86

0.75

0.85

0.84

B

80B

open

40 mm

100

R1.5T3 (D1522)

√

E400

0.49

0.81

0.91

0.97

0.98

0.91

0.95

0.92

A

130B

closed

40 mm

150

R1.5T3 (D1522)

√

E400

0.47

0.71

0.80

0.89

0.86

0.77

0.85

0.82

B

130B

open

40 mm

150

R1.5T3 (D1522)

√

E400

0.52

0.78

0.87

0.94

0.94

0.88

0.95

0.88

A

180B

closed

40 mm

200

R1.5T3 (D1522)

√

E400

0.45

0.74

0.84

0.88

0.87

0.79

0.90

0.83

A

180B

open

40 mm

200

R1.5T3 (D1522)

√

E400

0.45

0.79

0.87

0.93

0.93

0.87

0.95

0.88

A

125
Hz
0.30

250
Hz
0.37

500
Hz
0.65

1000
Hz
0.80

2000
Hz
0.87

4000
Hz
0.90

aw

NRC Class

250
Hz
0.71

500
Hz
0.85

1000
Hz
0.69

2000
Hz
0.75

4000
Hz
0.74

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

NW

Mounting

0.65 (H)

0.70

C

Report: Peutz A 3086-1-RA-001
Panel type Joint
Linear

Infill

Module

Perforation

aw

NRC Class

0.75

0.75

C

0.35 (LH) 0.53

D

225C

-

-

225

R1.5T3 (D1522)

√

E200

125
Hz
0.40

225C

-

85% PCM

225

R1.5T3 (D1522)

√

E200

0.40

0.56

0.46

0.31

0.37

0.57

225C

-

54% PCM

225

R1.5T3 (D1522)

√

E200

0.37

0.66

0.67

0.51

0.55

0.65

0.55 (L)

125
Hz
0.89

250
Hz
0.92

500
Hz
0.82

1000
Hz
0.78

2000
Hz
0.59

4000
Hz
0.42

aw

0.60

D

Report: Peutz MA82
Panel type Joint
Linear

Infill

Module

Perforation

NW

Mounting

70U

PI365

100

-

-

E200

open

-

NRC Class
0.78

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C

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R ES O U R C ES

ACOUSTIC TEST RESULTS


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**

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

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

**ENERGY PERFORMANCE**
Interior spaces designed with light colours and a minimum of 70% reflectance on the ceilings and walls can reduce artificial lighting requirements significantly, reducing energy consumption.

**BUILDING PRODUCT DISCLOSURE**
Hunter Douglas Ceilings uses products and materials for which life-cycle information is available and that have environmentally, economically, and socially preferable life-cycle impacts.

**INDOOR AIR QUALITY**
Perfect for projects where air quality is a priority, nearly all Hunter Douglas products meet low emissions standards 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.
SUSTAINABILITY

PARTNERS & PROGRAMS

LEED
LEED is transforming the way we think about how building spaces are designed, constructed, maintained and operated. Hunter Douglas’ continued research and development to create ceilings products that are more environmentally friendly contribute to the overall performance of a building, as well as to LEED certification by optimising daylighting and improving acoustical comfort and energy efficiency.

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
(FOREST STEWARDSHIP COUNCIL)
Hunter Douglas is committed to protecting our forests for future generations. Many of our wooden ceilings are FSC certified, which employ forest friendly resource management and help to reduce environmental impact by promoting responsible consumption. Hunter Douglas’ FSC Chain of Custody Certificate # is NC-COC-016324.

CRADLE TO CRADLE
Hunter Douglas adopts the cradle to cradle (C2C) product philosophy to the design of products that fit the circular paradigm. Both our metal and felt ceilings are Cradle to Cradle™ Bronze certified. They are designed for longevity, using materially healthy technical nutrients that can be reused at end of life as a high-quality source for something new.

Cradle to Cradle Certified™ is a certification mark licensed by the Cradle to Cradle Products Innovation Institute.

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
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

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.