

XTERIOR

COLLECTION FOR
FACADES AND EXTERIOR
APPLICATIONS
2021-2024

MAKE
YOUR
VISIONS
WORK.

MADE IN GERMANY

DUROPAL

thermopal

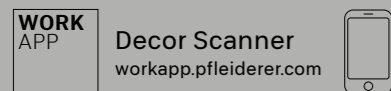
 PFLEIDERER

MAKE YOUR VISIONS WORK.

Decor used:
U12204 Manhattan

WOOD-BASED PANELS THAT OPEN UP NEW PERSPECTIVES.

From design to completed project, every step counts. After all, designs are only really appealing if they can also be realised. By choosing Pfleiderer, you're off to the right start. Aesthetic, functional and by design. In the 2021–2024 brochure, we introduce you to our extensive product range designed to make you more successful. Stylish, expressive and modern decors, innovative surface textures and core panels all come together perfectly to meet your technical, cost and user requirements. From high quality individual items to sector spanning concepts – you can turn your vision into reality with practical, high quality solutions from Pfleiderer.



Make work easier – with the Pfleiderer WorkApp! Simply scan decors with your smartphone, receive combination recommendations and request samples. Learn more at workapp.pfleiderer.com.



Our tip:
scan the QR code
and get started
straight away.

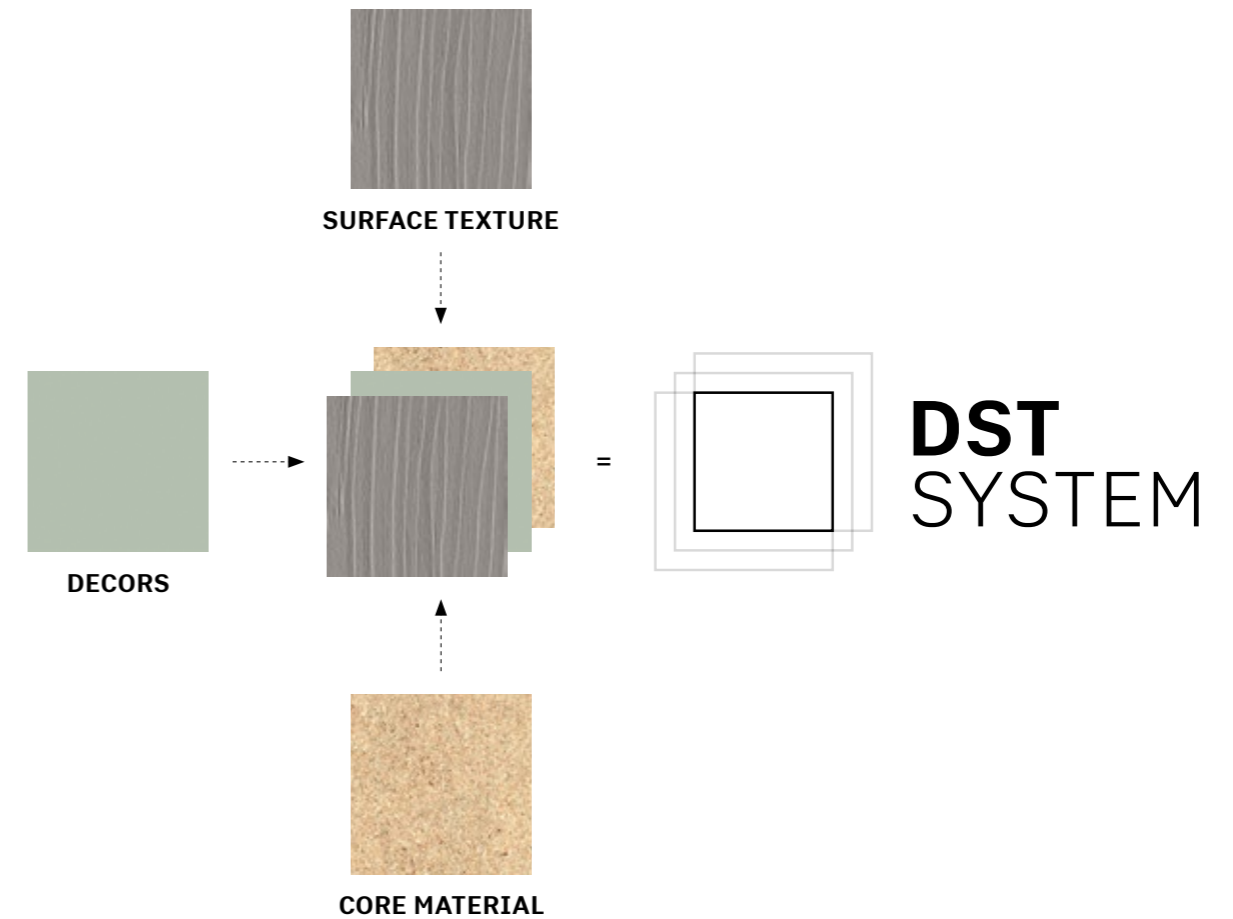
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SET THE SCENE ON THE OUTSIDE. DUROPAL XTERIOR FROM PFLEIDERER.

Our innovative, highly durable and UV-resistant compact laminates bring creative freedom and fascinating surface finishes to outdoor areas. Whether as easy to clean garden and balcony furniture or as stylish facade elements, parapets and railings – Duropal XTerior compact and Duropal XTerior compact F offer the premium solution for outdoor applications.

Advantages:

- High resistance to weathering
- Impressive surface appearance
- Anti-fingerprint effect



DESIGN AND FUNCTION IN HARMONY

Flexible choice of materials for individual solutions.

Whether you want to use a certain colour across a range of items, have to fulfil specific fire prevention regulations or need a surface that is easy to clean, the DST system from Pfleiderer can help you to realise coherent and functional designs: it offers numerous, technically tested and visually checked combination options of decors, surface textures and core panels for you to choose from. In addition, all the decors from the design collection are available both as HPL and DecoBoard. Find exactly what you need to realise your vision. We are also happy to provide you with individual advice on request!



Core materials for coating, which are available with the decors of the design collection such as the fire retardant Pyroex, moisture resistant P3, MDF or others can be found in the Decorative Products section.

MADE IN GERMANY

SUSTAINABILITY

UNCOMPROMISINGLY GOOD: AT PFLEIDERER QUALITY HAS A SYSTEM

You can rely on security and transparency.

Producing wood-based materials sustainably and in the highest quality is a challenge. As a leading company in the wood industry, Pflleiderer faces up to this challenge at all levels – and with traditional entrepreneurial diligence. With modern production sites, an integrated management system for quality, environment, energy and safety, and a corporate culture that continuously develops these values. Because for us, the compatibility of quality and sustainability is a matter of course!

In concrete terms, this means that we certify our processes throughout the entire value chain – often far beyond what is legally required. We attach great importance to being as transparent as possible for our customers and partners. Our environmental management systems at our locations are certified according to DIN ISO EN 14001 and ISO 50001. Also we belong to the Quality Association for Wood-based Panels and have certifications according to FSC® (License Code: FSC® C011773) and PEFC (License Code: PEFC/04-32-0828). And if you want to know more, just contact us. We will be happy to give you detailed information!

MADE IN GERMANY

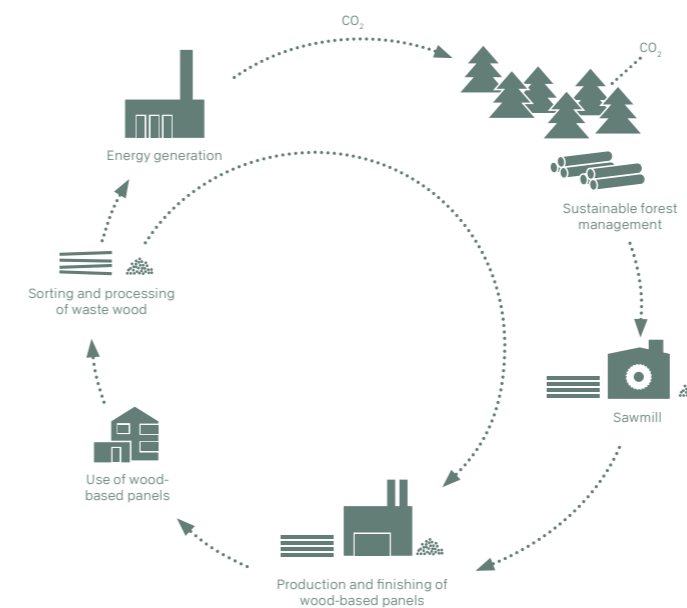
DESIGNED FOR A FUTURE WORTH LIVING: SUSTAINABILITY AT PFLEIDERER

Responsibility for tomorrow starts today.

Those who rely on wood as a raw material rightly expect an environmentally conscious “green” material. We at Pflleiderer want to do full justice to this and have therefore been offering an extensive range of low-emission and environmentally friendly products for many years. Sustainability – in addition to ecological, social and economic aspects – as well as careful use of natural resources are permanent pillars of our corporate philosophy. Consistent recycling management and wood recycling ensure that no trees are felled for our products. Through regular independent evaluation of our procurement and production processes, we are able to ensure that we are able to offer our customers the best possible service, manufacturing and logistics processes as well as a corporate culture of accountability. We ensure that you can use our products with a clear conscience and recommend them to your customers.

A healthy full range of products.

Pflleiderer focuses on low-emission materials, e.g. F**** glued panels for interior design or LivingBoard with formaldehyde-free gluing. Many of our board materials have been awarded the Blue Angel for a healthy indoor climate for many years. At the beginning of 2020, we succeeded in obtaining this award – in addition to raw boards and directly coated products – also for large parts of the HPL range. This means that you can also fall back on a consistently sustainable full product range for demanding projects – and fulfil customer wishes without compromising on ecology and sustainability.



Through multi-stage wood utilisation (so-called cascade utilisation), wood recycling, and the use of forestry wood and industrial waste wood for high quality materials with a long service life, Pflleiderer conserves valuable resources and actively contributes to reducing carbon emissions, air, water and soil pollution and energy consumption. We control the wood mix individually, depending on the product, to achieve a perfect balance between quality requirements and resource conservation.



www.blauer-engel.de/uz76

IMAGES



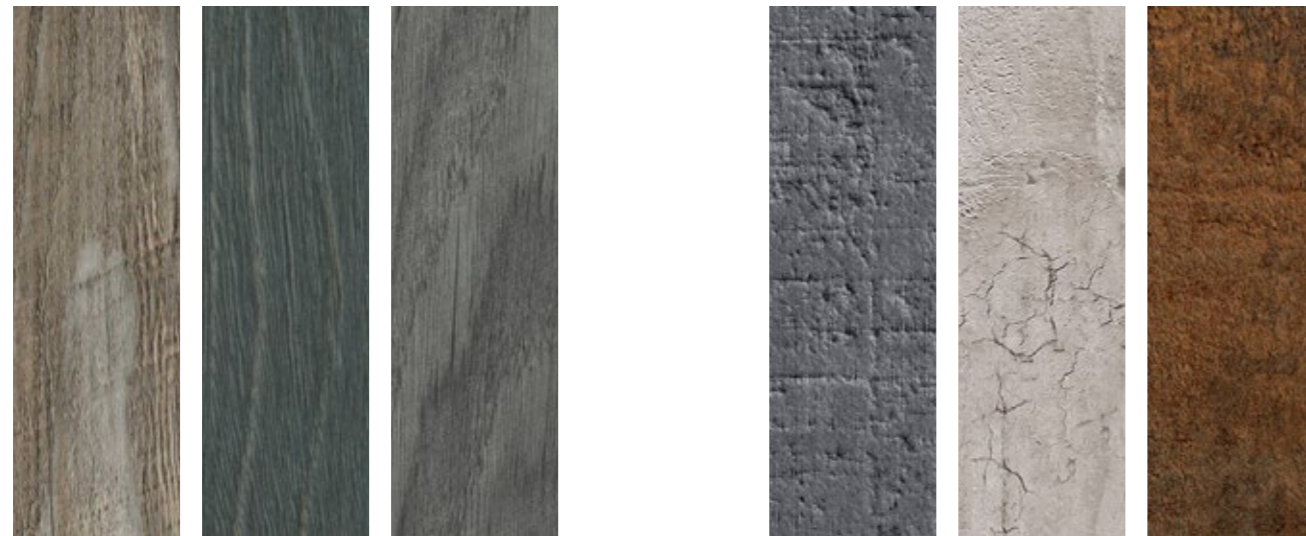
A SURFACE WITH EXCITING EFFECTS

Duropol XTerior compact / Duropol XTerior compact F features a particularly attractive touch due to the Exterior Matt (EM) surface texture: The fine grain makes the surface sandy whilst also reflecting light. The lustre produced in this way contributes to the high-quality of the surface and enhances the decor and form in a harmonious way under any angle of light. The Exterior Matt also has an impressive anti-fingerprint effect and is easy to maintain.

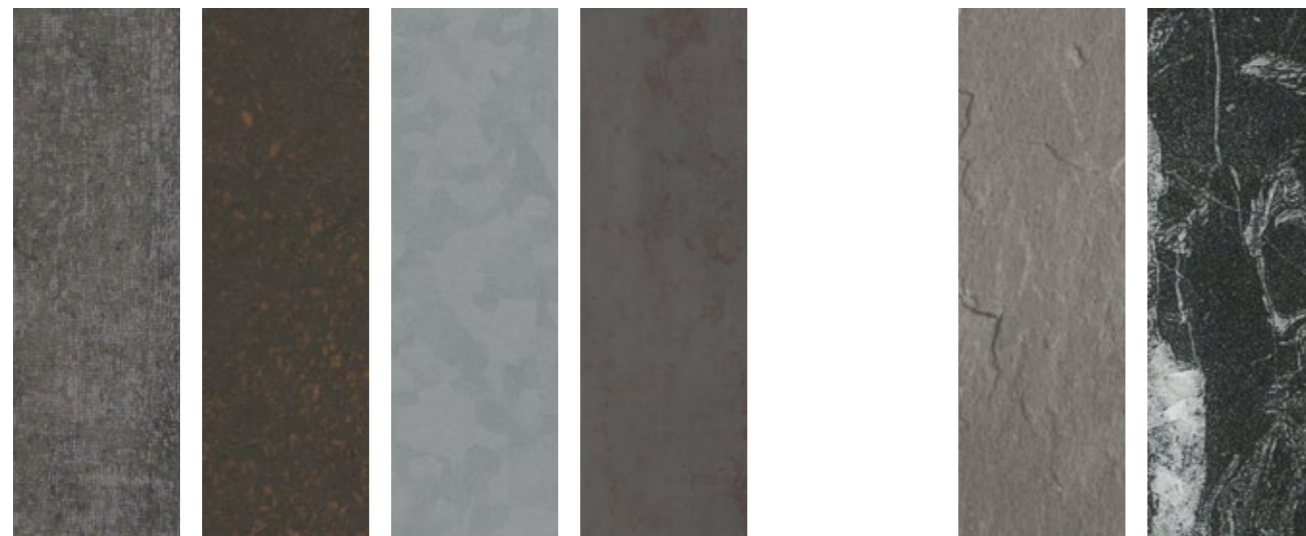
DUROPAL XTERIOR COMPACT / DUROPAL XTERIOR COMPACT F STOCK PROGRAMME



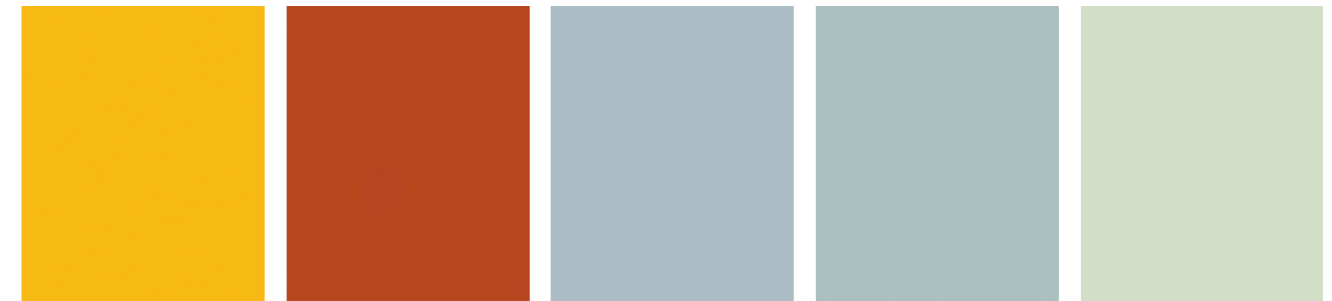
R55072 EM Willow White ¹ **R20095** EM Milano Oak ¹ **R20038** EM Natural Chalet Oak ¹ **R20027** EM Pale Lancelot Oak ¹ **R34015** EM Ladoga Ash Dark ¹ **R50084** EM Golden Teak ¹ **R38000** EM Chestnut ¹



R55004 EM Ponderosa Pine ¹ **R20351** EM Flamed Wood ¹ **R20320** EM Silver Oak ¹ **F76149** EM Kex ¹ **S60036** EM Classic Concrete ¹ **F76037** EM Phoenix Brown ¹



F76115 EM Metex Steel ¹ **F76146** EM Terrazzo Bronze ¹ **F76143** EM Zinc ¹ **F76006** EM Tempered Steel ¹ **S64011** EM Deep Slate ¹ **S63028** EM Nero Portoro ¹



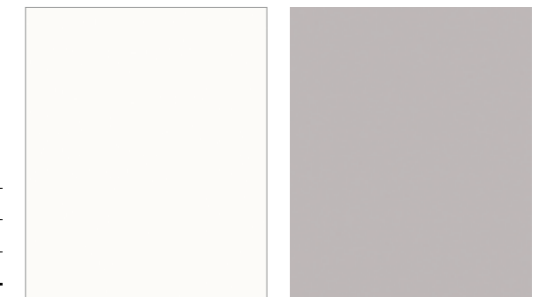
U15115* EM Gorse Yellow ^{1,2} **U16051*** EM Siena Red ^{1,2} **U18029** EM Horizon ^{1,2} **U18505** EM Lagoon ^{1,2} **U19015** EM Spearmint ^{1,2}



U16058 EM Be Rooted! ^{1,2} **U18004** EM Dark Blue ^{1,2} **U18074** EM Atlantic ^{1,2} **U18501** EM Fjord ^{1,2} **U19007** EM Agave ^{1,2}

STOCK PROGRAMME

Product	Format	Surface texture
¹ Duropal XTerior compact F	2,800 x 2,070 x 8 mm	EM/MP
² Duropal XTerior compact	2,800 x 2,070 x 8 mm	EM/EM
³ Duropal XTerior compact	2,800 x 2,070 x 6 mm	EM/EM



U11102 EM Chalk ^{1,2,3} **U12044** EM Dolphin Grey ^{1,2}

COMPLETE COLLECTION – PRODUCT VARIANTS

Product	Format	Surface texture
Duropal XTerior compact F	2,800 x 2,070 x 8/10/12/13/15 mm	EM/MP
Duropal XTerior compact	2,800 x 2,070 x 6/8/10/12/13/15 mm	EM/EM and EM/VV



U12188 EM Light Grey ^{1,2} **U12115** EM Platinum Grey ^{1,2}

DELIVERY TIME

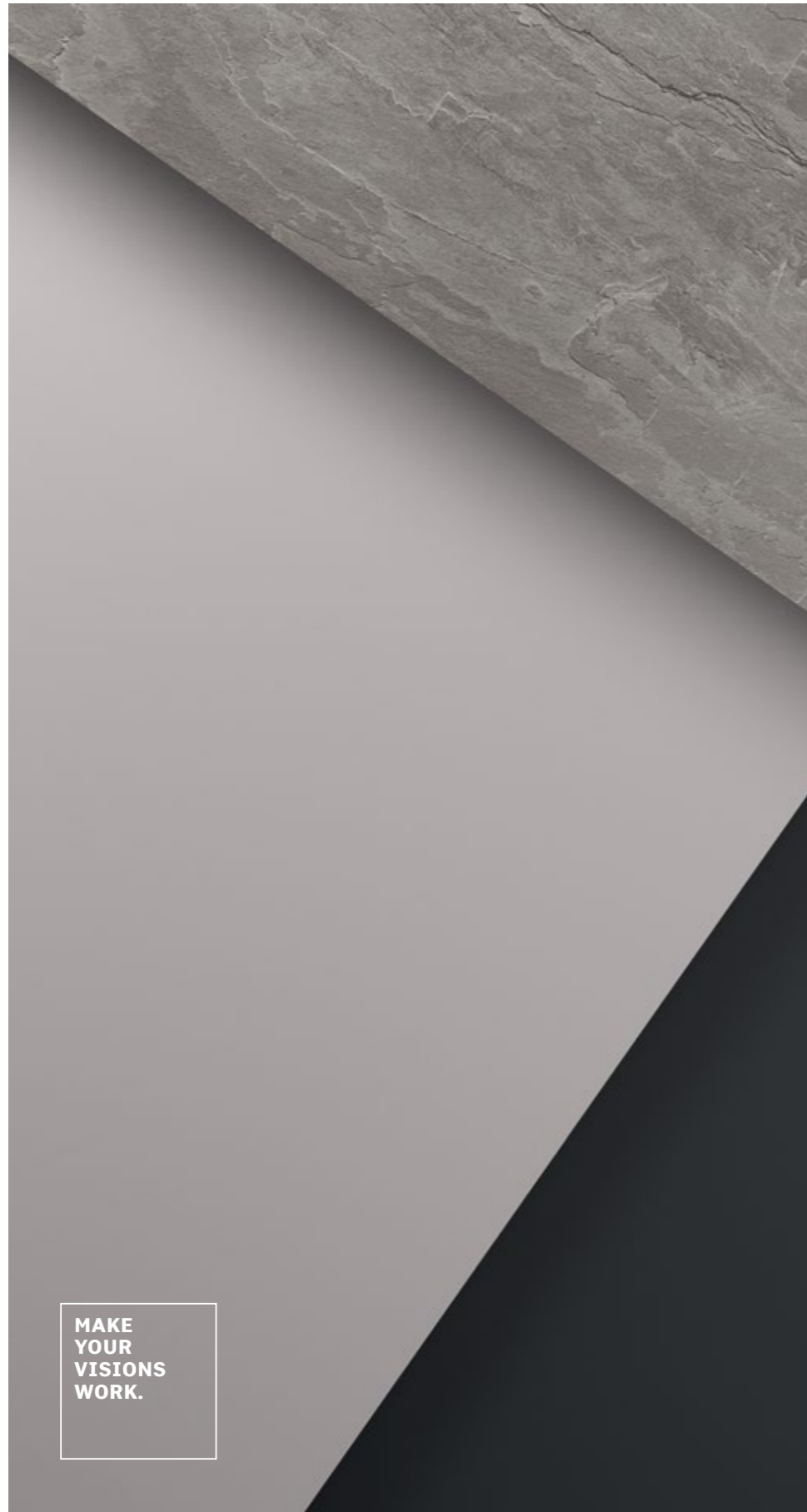
Stock programme	Delivery time 72 hours subject to despatch schedule
Complete Collection	Delivery time on request



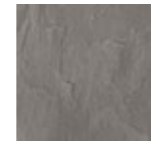
U12215 EM Anthracite ^{1,2,3} **U12000** EM Volcanic Black ^{1,2}

*Complies with the EGS/EGF technical class (1,500 h artificial weathering)

COMBINATION IDEAS



MAKE
YOUR
VISIONS
WORK.



S64011
Deep Slate



U12044
Dolphin Grey



U12215
Anthracite



R20038
Natural Chalet
Oak



R55072
Willow White



S60036
Classic
Concrete

DUROPAL XTERIOR COMPACT / DUROPAL XTERIOR COMPACT F COLLECTION

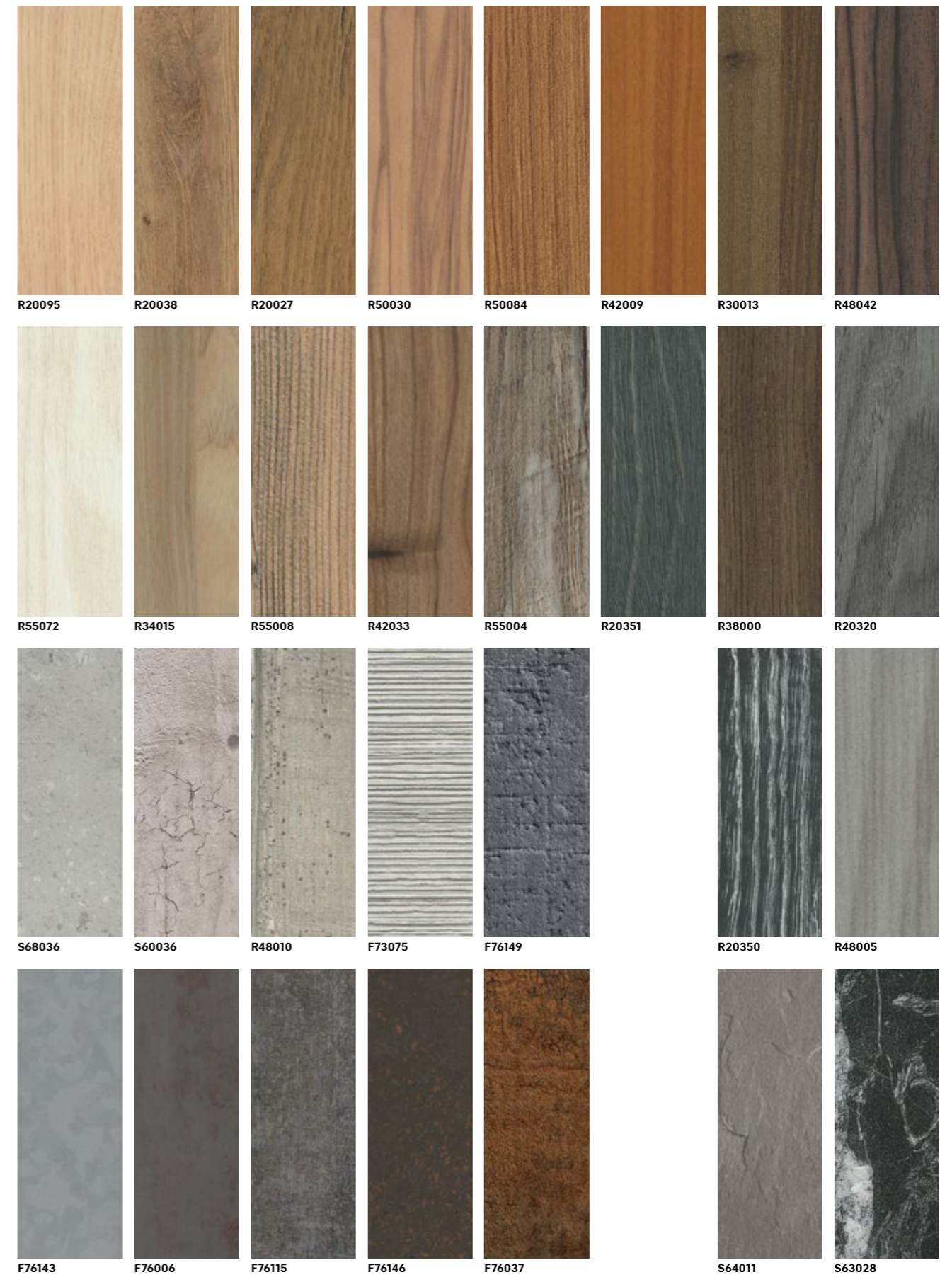


*Complies with the EGS/EGF technical class (1,500 h artificial weathering)



*Complies with the EGS/EGF technical class (1,500 h artificial weathering)

DUROPAL XTERIOR COMPACT / DUROPAL XTERIOR COMPACT F COLLECTION



FACADES & PARAPETS



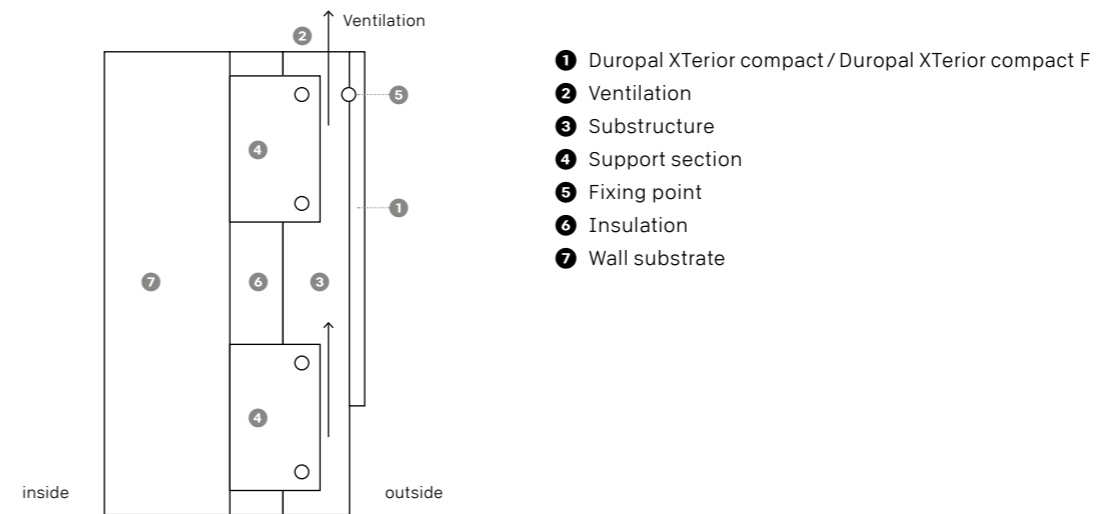
FACADES

Advantages of ventilated curtain wall

- Economical due to high energy efficiency
- Virtually unlimited design freedom with Duropal XTerior compact / Duropal XTerior compact F
- Durable facade structure
- Weather-independent construction workflows
- Additional sound insulation
- Short, economically efficient scaffold erection periods
- Flame retardant construction with Duropal XTerior compact F

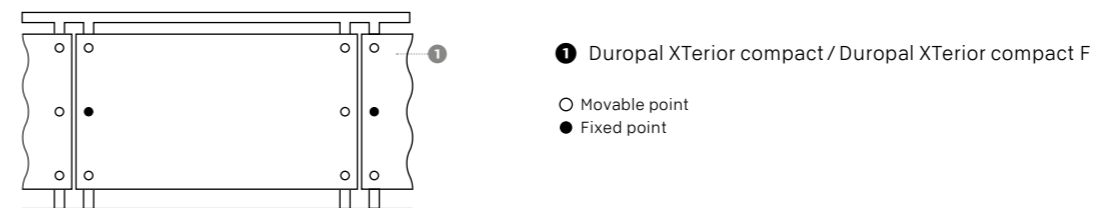
Facade structure:

Ventilated curtain wall, incl. space for building services installations



PARAPETS

Balconies and balcony parapets are important design elements for the overall appearance of buildings. With Duropal XTerior compact / Duropal XTerior compact F, the design is not restricted by any set limits and all requirements for fall protection are also met.



ECOLOGY AND SUSTAINABILITY

- Reduced CO₂ emissions due to high energy efficiency
- Long repair intervals

IMPLEMENTATION



STEP BY STEP TO THE PERFECT RESULT

When handling Duropal XTerior compact / Duropal XTerior compact F please note our information at www.pfleiderer.com and our installation and cleaning recommendations with detailed information, including the following topics:

- Storage and transport
- Processing
- Recommendations for care and cleaning
- Explanation of terms
- Requirements for facade construction
- Applicable standards
- Fire classification
- Fixing devices for visible or concealed mounting
- Recommendations for fastener manufacturers



You can download our detailed installation information under the "Technical Downloads" section on our product page at www.pfleiderer.com.

OUTDOOR FURNITURE



FAVOURITE PLACES TAKE AN OUTDOOR SHAPE

With Duropal XTerior compact, Pfleiderer offers a product that is perfectly suited to the production of outdoor furniture. With its unique combination of high-quality appearance, easy to maintain surface, variety of decors and straight forward processing, the innovative compact laminate is ideal for outdoor use, for example:

- Garden Furniture
- Outdoor Furniture
- Outdoor Kitchens
- Storage Boxes
- Garden Kitchens
- Privacy Screens
- Playground Equipment



You can download our detailed installation information under the "Technical Downloads" section on our product page at www.pfleiderer.com.

PRODUCTS

Decor used:
U12290 Anthracite Grey

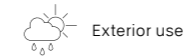
DECORATIVE PANELS XTERIOR COMPACT

Duropal XTerior compact



Compact high pressure laminate for outdoor use in standard quality according to EN 438-6:EDS / intensive decors according to EN 438-6:EGS. With uniform black-coloured core and single-sided decorative acrylic lacquer on the top side and decorative melamine resin surface on the reverse or double-sided decorative acrylic lacquer.

AREAS OF APPLICATION



Exterior use

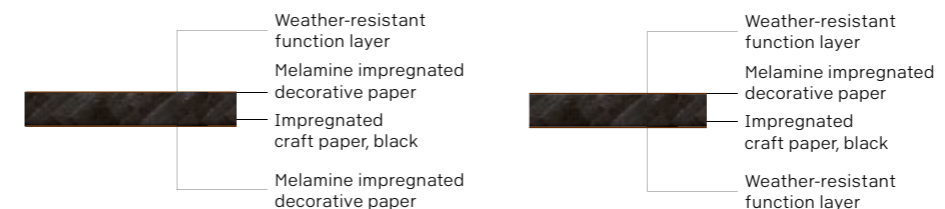
Duropal XTerior compact fulfils the highest UV resistance requirements for the surface and due to its high mechanical strength values and design freedom, it is suitable for outdoor use, e.g. as facade, garden furniture, privacy screens, roof undersides, balconies or playground equipment. Especially if high standards of robustness, weather resistance and easy cleaning are required.

PRODUCT FEATURES



Product standard	EN 438-6
Core material	Compact laminate black core Solid, black pigmented compact laminate core, impact resistant and moisture resistant for applications with high specification demands.
Reaction to fire	Normally flammable D-s2,d0 (EN 13501-1, CWFT acc. to 2003/593/EG)
EC scope	EN 438-7:2005 Compact laminate panels/sidings for exterior wall and ceiling finishes (including suspended ceilings)
Formaldehyde emission class	E1
Density	Min. 1,350 kg/m ³ (EN ISO 1183-1)
Note	FSC®-certification (license code: FSC® C011773) or PEFC-certification (license code: PEFC/04-32-0828) – available on request.

FORMAT IN MM		THICKNESS IN MM
Length	Width	
2,800	2,070	6 8 10 12 13 15

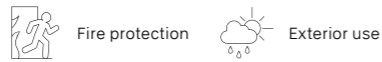


Duropal XTerior compact F – single-sided lacquering



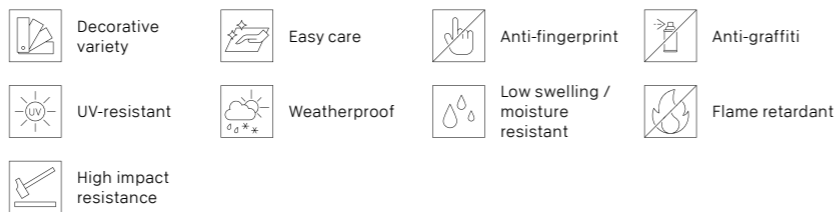
Compact high pressure laminate for outdoor use in flame-retardant quality according to EN 438-6:EDF / intensive decors according to EN 438-6:EGF. With uniform black-coloured core and single-sided decorative acrylic lacquer on the top side and decorative melamine resin surface on the reverse.

AREAS OF APPLICATION



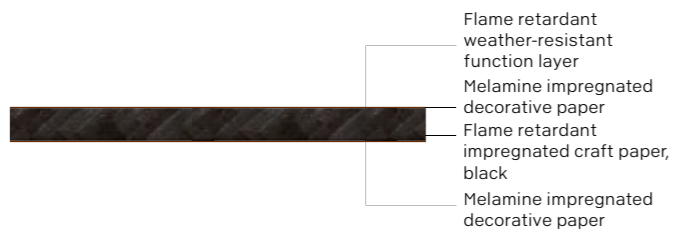
Duropal XTerior compact F fulfils the highest UV resistance requirements for the surface and due to its preventive fire protection, the high mechanical strength values and design freedom it is suitable for outdoor use, e.g. as facade, garden furniture, privacy screens, roof undersides, balconies or playground equipment. Especially if high standards of robustness, weather resistance and easy cleaning are required.

PRODUCT FEATURES



Product standard	EN 438-6
Core material	Flame-retardant compact laminate black core Solid, black pigmented compact laminate core, suitable for applications with high requirements for the surface spread of flame.
Reaction to fire	Flame-retardant grade B-s1,d0 (EN 13501-1)
EC scope	EN 438-7:2005 Compact laminate panels/sidings for exterior wall and ceiling finishes (including suspended ceilings)
Formaldehyde emission class	E1
Density	Min. 1,350 kg/m ³ (EN ISO 1183-1)
Note	FSC®-certification (license code: FSC® C011773) or PEFC-certification (license code: PEFC/04-32-0828) – available on request.

FORMAT IN MM		THICKNESS IN MM
Length	Width	
2,800	2,070	8 10 12 13 15



PROCESSING, CARE AND CLEANING INSTRUCTIONS

Simple to use, easy to maintain

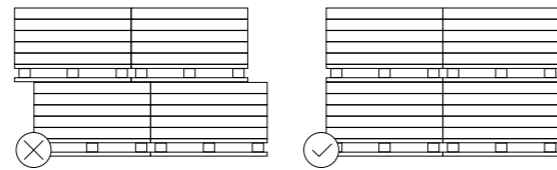
Outdoor products need to last. This is entirely the case with Duropal XTerior compact: despite its fascinating matt appearance, the material is characterised by an easy to maintain surface with an anti-fingerprint effect from which graffiti can also be removed without residue. The core material has a very good UV and weather resistance and can be sawn, milled, drilled and sanded with all standard machines and tools.

Lacquered surfaces are usually given a regular basic clean with a solution of hot water and detergent. More serious and stubborn dirt should be left to soften for a while. The damp surface is then wiped down with hot, clean water until all residues of the cleaning agent have been removed. Then rub dry with a dry, lint-free cloth, where possible in the 'decor direction' or uniformly in one direction to avoid smearing or streaks. Cleaning products, cloths or sponges with abrasive properties, e.g. scourers, should not be used under any circumstances.

Abrasive products and/or actions could irreparably damage the fine texture of the surface! So-called 'balm' products (skin-friendly washing-up liquids etc.) are unsuitable for cleaning as they contain substances to protect the skin that leave a film on the surface that is difficult to remove. Furthermore, alcohol-based cleaning products (e.g. glass cleaning products) or even pure plastic cleaning products are also completely unsuitable. For stubborn stains or a build-up of dirt the cleaning guidelines should be repeated.



STORAGE AND TRANSPORT



To protect the high-quality surfaces, Pfliederer delivers the coated surface of Duropal XTerior compact with a protective film. This film protects the surface of the panel against mechanical damage and dirt during transport, machining, storage and installation. Film covered panels should be used, having removed the film first, within 6 months of delivery at the latest. In addition, the packages are wrapped in stretch film, to reduce dirt.

The following guidelines for Duropal XTerior compact / Duropal XTerior compact F should be noted:

- Pallets and panels should be stored on an even surface.
- Panels should be stored horizontally on dry support timbers to avoid direct ground contact.
- Panels are to be placed on equally spaced (80cm max.) support timbers of the same thickness.
- If pallets are stacked on top of one another, the bearers should be aligned. Boards should be stacked flush to avoid damage to unprotected edges and corners.
- The top board should be covered with a protective cover board or cardboard. Keep sufficient distance from walls. Direct contact should be avoided.

SAFETY INFORMATION

Machining

Pfliederer boards meet the requirements of the ChemVerbotsV regarding formaldehyde. Wood dust can be produced when machining and using raw chipboard boards or panels. Wood dust has been classified in the TR GS 900 "MAH values list" under III B as a substance with justified suspicion of carcinogenic potential. According to TR GS 553 the concentration of wood dust in the air at the workplace may not exceed 2 mg/m³. This usually requires connecting the machines to an extraction system.

Personal protective measures

No particular measures necessary. Pfliederer panels are not toxic under the ChemVerbotsV (Banned Chemicals Regulations). The usual health and safety measures (work gloves, dust mask for milling or sanding work) that apply to the working of solid wood must also be complied with when working/installing wood-based panels.

GLOSSARY

Resistant to artificial weathering

In this standard test to EN 438-2, a material sample is exposed to artificial daylight of xenon discharge arc lamps and rain. The test period is 1,500 h for technical class EGS and 3,000 h for technical class EDS. After the end of the test, the change in appearance, greyscale and colour is assessed.

Resistance to UV radiation

In this standard test to EN 438-2, a material sample is exposed to strong UV radiation and humidity. The test period is 1,500 h. After the end of the test, the change in appearance, greyscale and colour is assessed.

Flexural strength

The flexural strength describes the flexural behaviour of a panel under loading and is measured in N/mm². During the test a defined weight presses vertically in the middle of a panel, which is supported on the left and right only. The load is increased during the test, whereby the respective panel deflection is measured and recorded. The value given in the technical tables indicates the minimum load a panel can be exposed to without breaking. The flexural strength depends on the panel thickness; the thinner the panel, the greater the flexural strength. This apparent contradiction is related to the applied point load or greater stiffness of the thicker panels.

ETB guidelines

Guidelines for components that protect against falls. These guidelines define impact loads with which a balcony railing is loaded when installed. By passing this test, the product may be used as fall protection on a balcony.

HPL

High-pressure laminate is a panel material made of thermosetting resins and paper layers and has a very robust and decorative surface. As a surface material in combination with core materials, HPL is used in interiors and in the furniture sector, e.g. for doors and for worktops and tabletops. The material requirements and properties of HPL are defined in the European standard EN 438.

HPL Compact

Compact laminate, consisting of several layers of core papers. HPL compact panels are decorative high-pressure laminate panels in accordance with EN 438 in thicknesses of more than 2 mm. They are large-format panels with decorative, resistant surface and homogeneous, closed cut edge. One or both sides of the panels have decorative colouring or decors. The surfaces can be smooth or textured.

Fast climate change

The fast climate change in accordance with EN 438-2 describes a product test, in which a material sample is moved quickly several times a day over several weeks from a warm, humid climate into a cold, dry, warm dry or cold damp climate. This test exposes the material to different climate shocks. At the end of the test the technical material properties are determined.

SERVICE

ILLUSTRATIVE AND RESULTS-DRIVEN: DIGITAL SERVICES FROM PFLEIDERER



WorkApp: workapp.pfleiderer.com

The quickest way to find the answers to all your decor-related questions: simply open the Decor Scanner on your smartphone, scan the decor, view detailed information straight away on your phone, receive combination recommendations and request the matching sample directly from the app, if required. It is compatible with all smartphones and, of course, you can also easily add the app to your home screen.



Digital Product Finder: productfinder.pfleiderer.com

Which decorative panel is best suited to which application? Which product has particular material properties or surface characteristics? What is available quickly? Use the digital product finder to find the perfect material for your application in just a few steps. After all, bringing together creative ideas with construction requirements is what Pfleiderer does best!



Room Designer: roomdesigner.pfleiderer.com

Combine all the decor collections in 26 different digital room layouts – and show your customers in advance how bespoke design options could look in their home, health or care setting, office, hotel, shop, caravan or yacht. Easy to use, with detailed decor lists and smart filters as well as an interactive compare function. You can print and download the results or save them as favourites.



Mood Board Tool: moods.pfleiderer.com

Get the first glimpse of your desired decor before you order! Just upload your own image to our Mood Board Tool. The tool extracts the colours from your motif and suggests suitable decors from our portfolio. You can then save your created mood board in your account or send it via e-mail in order to discuss the selection further.



3D-Viewer: 3d-viewer.pfleiderer.com

In order to properly evaluate a surface texture, you have to be able to see it from different angles. That's why we provide the 3D VIEWER for surface textures! It enables you to get a realistic 360-degree view of our surface textures from all sides and in different lighting conditions. A useful tool for everyone who appreciates quick and illustrative support when evaluating and deciding on different textures!



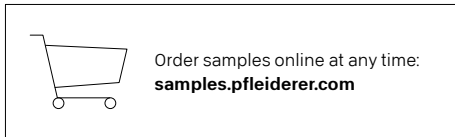
Individual Konfigurator: individual.pfleiderer.com

The idea behind Pfleiderer's individual design concept is to enable almost unlimited creative freedom starting from a lot size of one. It allows you to use your own motifs – without compromising on the quality of the surface or core materials. You can use the Individual Product Finder to configure your unique product easily online, from selecting the core material to uploading your motif and enquiring about production.



BIM Data and Specifications: BIM.pfleiderer.com

Access the BIM product data from Heinze directly via our website – including all of the datasets for the entire Pfleiderer range. You can access all the relevant product information and downloads in one place. From the BIM data itself to additional product information, decor and texture samples as well as declarations of origin and conformity. On our tendering support page, you can also find text blocks for the different products.



Decor Scanner
workapp.pfleiderer.com



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This information is issued with great care. We do not however accept any responsibility for the accuracy, completeness and timeliness. There may be slight colour differences between the printed brochure image and the actual design.

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You can find our general terms and conditions on our webpage: www.pfleiderer.com

Pfleiderer uses wood from Certified Sustainable Forest Management.



www.blauer-engel.de/uz76

- low emissions
- wood from sustainable forestry
- no adverse impact on health in the living environment

Blue Angel for LivingBoard, DecoBoard P2, Duropal HPL, Duropal HPL Compact and Duropal Bonded Elements P2

MADE IN GERMANY

Good to know: the Pfleiderer quality promise.

Pfleiderer wood-based panels stand for quality without compromise. We use sustainable raw materials and state-of-the-art production processes and we are fully committed to our site in Germany. For more information, visit quality.pfleiderer.com.

Pfleiderer UK Limited · Greenway House · Larkwood Way · Tytherington Business Park · Macclesfield · Cheshire SK10 2XR · England
Tel.: +44 (0) 16 25 660 410 · info@pfleiderer.co.uk · www.pfleiderer.com

Pfleiderer Deutschland GmbH · Ingolstädter Straße 51 · 92318 Neumarkt · Germany
Tel.: +49 (0) 91 81 / 28 480 · Fax: +49 (0) 91 81 / 28 482 · info@pfleiderer.com · www.pfleiderer.com