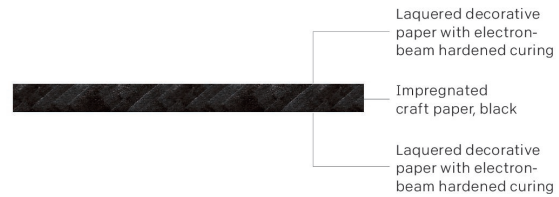


Technical data

Duropal Compact XTreme plus, black core

Compact high-pressure laminate in standard quality in accordance with EN 438-4:CGS. With uniform black-coloured core and electron beam cured surface on both sides. XTreme plus is an attractive supermatt surface material with an anti-fingerprint effect, which is ideal for horizontal, heavily used surfaces.



Applications



Furniture and interior fitting

Properties



Easy care



Anti-fingerprint



Antimicrobial



Food harmless



High scratch resistance



Low swelling / moisture resistant



High impact resistance



Particularly low emission

Certificates



Specification						Unit	Test standard
Nominal thickness	6	8	10	12	13	mm	
Tolerance on thickness	± 0.4	± 0.5	± 0.5	± 0.6	± 0.6	mm	EN 438-2
Tolerance on length			+ 10			mm	EN 438-2
Tolerance on width			+ 10			mm	EN 438-2
Surface defects			max. 1 ¹⁾ max. 10 ²⁾			mm ² /m ² mm/m ²	EN 438-4
Edge defects			max. 3			mm	EN 438-4
Straightness of edges			max. 1.5			mm/m	EN 438-2
Squareness			max. 1.5			mm/m	EN 438-2
Flatness	max. 5	max. 5	max. 3	max. 3	max. 3	mm/m	EN 438-2
Density			min. 1,350			kg/m ³	EN ISO 1183-1
Bending strength			min. 80			MPa	EN ISO 178
Flexural modulus			min. 9,000			MPa	EN ISO 178
Resistance to crazing			min. 4			rating	EN 438-2
Dimensional stability at elevated temperature (length)			max. 0.3			%	EN 438-2
Dimensional stability at elevated temperature (width)			max. 0.6			%	EN 438-2
Resistance to wet heat, 100 °C (other finishes)			min. 4			rating	EN 438-2
Resistance to dry heat, 160 °C (other finishes)			min. 4			rating	EN 438-2

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Specification	6	8	10	12	13	Unit	Test standard
Nominal thickness						mm	
Resistance to water vapour (other finishes)			min. 4			rating	EN 438-2
Resistance to immersion in boiling water (other finishes)			min. 4			rating	EN 438-2
Resistance to immersion in boiling water (edge)			min. 3			rating	EN 438-2
Resistance to immersion in boiling water			max. 2 ^{3) 4)}			%	EN 438-2
Resistance to surface wear			min. 400			cycles	EN 438-2
Resistance to scratching (smooth finishes)			min. 5			rating	EN 438-2
Resistance to impact by large diameter ball – impression diameter			max. 10			mm	EN 438-2
Resistance to impact by large diameter ball – Fall height			min. 1,800			mm	EN 438-2
Stain resistance (groups 1 & 2)			min. 5			rating	EN 438-2
Stain resistance (group 3)			min. 5			rating	EN 438-2
Resistance to colour change (xenon arc light)			4 to 5 Grey Scale Grade				EN 438-2
Reaction to fire			normally flammable				
Reaction to fire (Euroclass)			D-s2,d0				EN 13501-1, CWFT acc. to 2003/593/EG
Formaldehyde emission class			E1 E05				EN 717-1

¹⁾ Dirt, spots and similar surface defects

²⁾ Fibres, hairs and scratches

³⁾ Mass increase

⁴⁾ Thickness increase

Additional information

Product standard	<ul style="list-style-type: none"> in accordance with EN 438-4
Areas of application	<ul style="list-style-type: none"> For unusual furniture and interior concepts in the home and contract sectors, in leisure and spa facilities, in shop design, in catering, as well as in humid and wet conditions in which particular robustness, durability and high hygienic standards including aesthetics are required of the material. The material is suitable for heavy-duty, horizontal surfaces, open edge solutions as well as for engraving for individual 3D effects.
Core material	<ul style="list-style-type: none"> Compact laminate black core Uniform black through-pigmented solid compact laminate core, impact resistant and moisture resistant for applications with high specification demands.
Product safety	<ul style="list-style-type: none"> The surface is physiologically safe, and approved for direct contact with food acc. to Regulation (EU) No. 10/2011. This product follows the REACH regulation EC 1907/2006 an article. Following Article 7 it does not need to be registered. We manufacture the panels without the use of halogens, heavy metals, preservatives, wood protectors or organic solvents.
Packaging construction	<ul style="list-style-type: none"> Duropal Compact XTreme plus, black core is not supplied with protective foil.

Technical data

Duropal Compact XTreme plus, black core

Antimicrobial effect	<ul style="list-style-type: none"> Surface with antimicrobial effect in 24 h for interior fit-out and finishes – Test Methodology JIS Z 2801 / ISO 22196
Special	<ul style="list-style-type: none"> Depending on the decor and surface texture, slightly different surface visual impressions can result between cut panels viewed from different angles. This is a result of the production methods and does not constitute a quality defect. Due to a low orientation of the lacquered surface the field of application, the conditions of lighting and the décor may cause certain optical effects. This is a result of the production methods and does not constitute a quality defect. Especially for large applications, we recommend paying attention to the colour and texture uniformity of the boards and cut products used when further processing and installing and that the production direction is taken into account. The smoother the structure and the the darker the decor, the more sensitive it is to stains. Due to the black core of the material, minor decorative deviations to other products cannot be avoided. For production-related reasons, there may be minor colour variations in the black material core. XTreme plus doesn't prevent scratches, but allows horizontal application! Decor-structure-combination front side = Decor-structure-combination reverse side Subsequent oiling (with suitable cooking oil) of the machined edge can reduce machining and wear marks. Please note that in everyday use, polishing, scratches and shiny spots may occur due to mechanical stress, which are particularly visible on darker decors. This does not represent a quality defect or a restriction of usability. Rather, it reflects the natural ageing of the surface. The product complies with all requirements of EN 438.
Note	<ul style="list-style-type: none"> With PEFC-certification. PEFC license code: PEFC/04-32-0828
Colour and surface match	<ul style="list-style-type: none"> Decor, structure and core board all influence the final appearance of the end product. Due to the product-specific differences in production technologies, even identical decor/structure/core board combinations can result in slight optical and tactile deviations across different product groups and formats. Such deviations do not constitute a defect. The choice of surface structure in particular has a significant influence on the visual impression, the tactile perception as well as the technical characteristics of the product. Thus, the overall impression of a decor can change almost completely depending on the surface structure. Furthermore, mechanical influences on the product surface can lead to a higher contrast optical perception with dark decors. To ensure that you always achieve the best results with our products and to clarify any deviations in advance, we will be happy to advise you individually.

Further information on products, formats and decor/structure combinations is available at www.pfleiderer.com

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