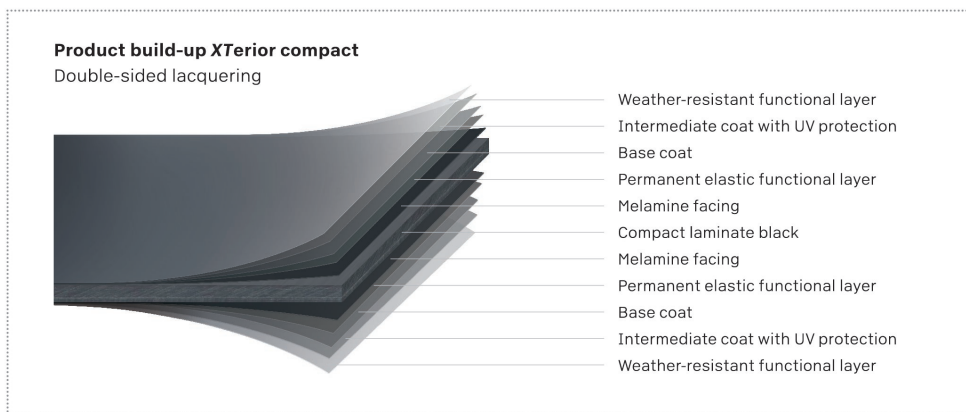


Technical data

Duropal XTerior compact - double-sided lacquering

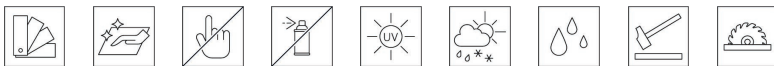
Compact high pressure laminate for outdoor use in standard quality according to EN 438-6:EDS / intensive decors according to EN 438-6:EGS. With uniform black-coloured core and double-sided decorative acrylic lacquer.



Applications



Properties



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. 2 ¹⁾ max. 20 ²⁾			mm ² /m ² mm/m ²	EN 438-6
Edge defects			max. 3			mm	EN 438-6
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
Flexural strength			min. 80			MPa	EN ISO 178
Flexural modulus			min. 9,000			MPa	EN ISO 178
Resistance to fixings (face)	min. 2,000	min. 3,000	min. 4,000	min. 4,000	min. 4,000	N	EN 438-7
Dimensional stability at elevated temperature (length)			max. 0.3			%	EN 438-2
Dimensional stability at elevated temperature (width)			max. 0.6			%	EN 438-2

Technical data

Duropal XTerior compact - double-sided lacquering

Specification	6	8	10	12	13	Unit	Test standard
Nominal thickness						mm	
Resistance to climatic shock (Appearance)			min. 4			rating	EN 438-2
Flexural strength index D_s			min. 0.8				EN 438-2
Flexural modulus index D_m			min. 0.8				EN 438-2
moisture resistance (Appearance)			min. 3 ³⁾ min. 4 ⁴⁾			rating	EN 438-2
moisture resistance (Mass increase)			max. 5			%	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 – impression diameter			min. 1,800			mm	EN 438-2
Resistance to artificial weathering of the acrylic lacquer - 3,000 h (Contrast)			min. 3			Grey Scale Grade	EN 438-2
Resistance to artificial weathering of the acrylic lacquer - 3,000 h (Appearance)			min. 4			rating	EN 438-2
Resistance to UV light of the acrylic lacquer - 1,500 h (Contrast)			min. 3			Grey Scale Grade	EN 438-2
Resistance to UV light of the acrylic lacquer - 1,500 h (Appearance)			min. 4			rating	EN 438-2
Thermal conductivity			approx. 0.3			W/(mK)	EN 438-7
Reaction to fire			normally flammable				
Reaction to fire (Euroclass)			D-s2,d0				EN 13501-1, CWFT acc. to 2003/593/EG

¹⁾ Dirt, spots and similar surface defects

²⁾ Fibres, hairs and scratches

³⁾ edge

⁴⁾ face

Additional information

Product standard	<ul style="list-style-type: none"> EN 438-6
Areas of application	<ul style="list-style-type: none"> 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.
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.

Technical data

Duropal XTerior compact - double-sided lacquering

Product safety	<ul style="list-style-type: none"> This product follows the REACH regulation EC 1907/2006 an article. Following Article 7 it does not need to be registered.
Special	<ul style="list-style-type: none"> With intensive plain decors, especially in the red range, colour pigment wash-out may occur under certain circumstances. It is possible that colour pigments are not bound by the resin during the impregnation of the decor paper and are only deposited on the surface of the impregnate and are thus directly on the surface. If cleaning is then carried out, slight discolouration of the cleaning cloths can be observed. This is particularly the case when solvent-based cleaners are used. This is not a product defect. Because for production technical reasons there can be slight colour variations of the coloured core. Due to the continuous surface lacquering procedure it is recommended that, during further processing and installation, the direction of product as well as the the colour and uniform structure of the panels used is taken into consideration. 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.
Note	<ul style="list-style-type: none"> FSC certification or PEFC certification available on request. FSC license code: FSC® C011773 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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