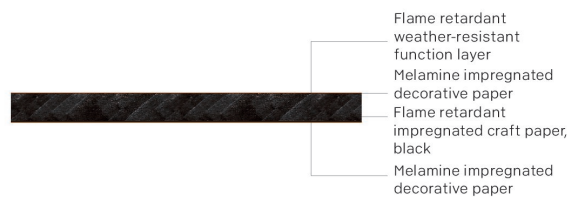


Technical data

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, single-sided decorative acrylic lacquer and decorative melamine resin surface on the reverse.



Applications



Fire protection



Exterior use

Properties



Variety of decors and / or textures



Easy care



Anti-fingerprint



Anti-graffiti



UV-resistant



Weatherproof



Low swelling / moisture resistant



Flame retardant



High impact resistance



Easy to use and machine

Certificates



Specification					Unit	Test standard
Nominal thickness	8	10	12	13	mm	
Tolerance on thickness	± 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. 3	max. 3	max. 3	mm/m	EN 438-2
Density		min. 1,350			kg/m ³	EN ISO 1183-1
Flexural strength		min. 100			MPa	EN ISO 178
Resistance to fixings (face)	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
Resistance to climatic shock (Appearance)		min. 4			rating	EN 438-2

Technical data

Duropal XTerior compact F - single-sided lacquering

Specification					Unit	Test standard
Nominal thickness	8	10	12	13	mm	
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	flame retardant					
Reaction to fire (Euroclass)	B-s1,d0					EN 13501-1

1) Dirt, spots and similar surface defects

2) Fibres, hairs and scratches

3) edge

4) Texture

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 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.
Core material	<ul style="list-style-type: none"> Flame retardant compact laminate black Uniform black through-pigmented solid compact laminate core, suitable for applications with high requirements for the surface spread of flame.

Technical data

Duropal XTerior compact F - single-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. 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. Duropal XTerior compact is supplied chamfered on all sides. Before further processing a trimming cut is necessary. One-sided foiling can lead to warping of the panel material if not stored properly. We therefore recommend removing the protective film as soon as possible after the delivery by Pfleiderer and as early as possible in the processing procedure. Suitable trivets must be used when placing hot objects (e.g. pots, pans) on the surface to protect it, as temperatures may occur that exceed the permissible material stress. Cutting work must only be carried out on suitable chopping boards in order to prevent damage to the surface from sharp or pointed objects.
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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