

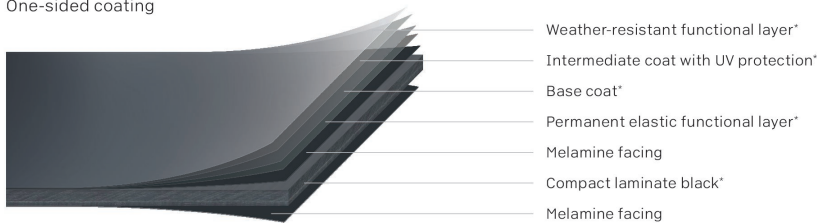
## Technical data

### 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 and single-sided decorative acrylic lacquer on the top side and decorative melamine resin surface on the reverse.

#### Product build-up XTerior compact / XTerior compact F

One-sided coating



\* Flame retardant for XTerior compact F

#### Applications



#### Properties



#### 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 <sup>1)</sup> max. 20 <sup>2)</sup>			mm <sup>2</sup> /m <sup>2</sup> mm/m <sup>2</sup>	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 <sup>3</sup>	EN ISO 1183-1
Flexural strength		min. 100			MPa	EN ISO 178
Flexural modulus		min. 9,000			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
Flexural strength index D <sub>s</sub>		min. 0.8				EN 438-2

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Specification	8	10	12	13	Unit	Test standard
Nominal thickness	8	10	12	13	mm	
Flexural modulus index $D_m$			min. 0.8			EN 438-2
moisture resistance (Appearance)			min. 3 <sup>3)</sup> min. 4 <sup>4)</sup>		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 grade			
Reaction to fire (Euroclass)			B-s1,d0			EN 13501-1

<sup>1)</sup> Dirt, spots and similar surface defects

<sup>2)</sup> Fibres, hairs and scratches

<sup>3)</sup> edge

<sup>4)</sup> face

#### Additional information

Product standard	<ul style="list-style-type: none"> <li>EN 438-6</li> </ul>
Areas of application	<ul style="list-style-type: none"> <li>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.</li> </ul>
Core material	<ul style="list-style-type: none"> <li>Flame retardant compact laminate black core</li> <li>Uniform black through-pigmented solid compact laminate core, suitable for applications with high requirements for the surface spread of flame.</li> </ul>

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Product safety	<ul style="list-style-type: none"> <li>This product follows the REACH regulation EC 1907/2006 an article. Following Article 7 it does not need to be registered.</li> </ul>
Special	<ul style="list-style-type: none"> <li>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.</li> <li>Because for production technical reasons there can be slight colour variations of the coloured core.</li> <li>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.</li> <li>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.</li> <li>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.</li> </ul>
Note	<ul style="list-style-type: none"> <li>FSC certification or PEFC certification available on request.</li> <li>FSC license code: FSC® C011773</li> <li>PEFC license code: PEFC/04-32-0828</li> </ul>
Colour and surface match	<ul style="list-style-type: none"> <li>Decor, structure and core board all influence the final appearance of the end product.</li> <li>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.</li> <li>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.</li> <li>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.</li> </ul>

Further information on products, formats and decor/structure combinations is available at [www.pfleiderer.com](http://www.pfleiderer.com)

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