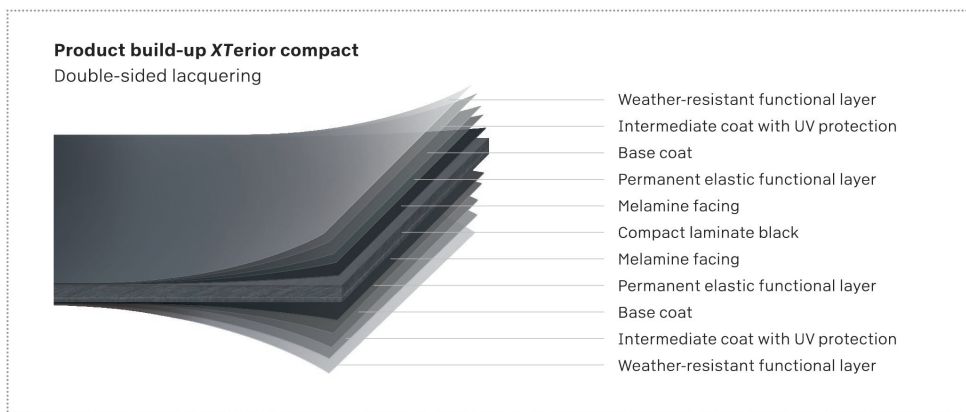


Technical data

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



Technical data

Duropal XTerior compact - double-sided lacquering

Specification							Unit	Standard	
Nominal thickness	6	8	10	12	13	15	mm		
Tolerance on thickness	± 0.4	± 0.5	± 0.5	± 0.6	± 0.6	± 0.6	mm	EN 438-2:2016	
Tolerance on length				+ 10			mm	EN 438-2:2016	
Tolerance on width				+ 10			mm	EN 438-2:2016	
Surface defects			max. 2 ¹⁾ max. 20 ²⁾				mm ² /m ² mm/m ²	EN 438-6:2016	
Edge defects			max. 3				mm	EN 438-6:2016	
Straightness of edges			max. 1.5				mm/m	EN 438-2:2016	
Squareness			max. 1.5				mm/m	EN 438-2:2016	
Flatness	max. 5	max. 5	max. 3	max. 3	max. 3	max. 3	mm/m	EN 438-2:2016	
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	min. 4,000	N	EN 438-7:2005	
Dimensional stability at elevated temperature (length)			max. 0.3				%	EN 438-2:2016	
Dimensional stability at elevated temperature (width)			max. 0.6				%	EN 438-2:2016	
Resistance to climatic shock (Appearance)			min. 4				rating	EN 438-2:2016	
Flexural strength index D _s			min. 0.8					EN 438-2:2016	
Flexural modulus index D _m			min. 0.8					EN 438-2:2016	
moisture resistance (Appearance)			min. 3 ³⁾ min. 4 ⁴⁾				rating	EN 438-2:2016	
moisture resistance (Mass increase)			max. 5				%	EN 438-2:2016	
Resistance to impact by large diameter ball – impression diameter			max. 10				mm	EN 438-2:2016	
Resistance to impact by large diameter ball – impression diameter			min. 1,800				mm	EN 438-2:2016	
Resistance to artificial weathering of the acrylic lacquer - 3,000 h (Contrast)			min. 3				Grey Scale Grade	EN 438-2:2016	
Resistance to artificial weathering of the acrylic lacquer - 3,000 h (Appearance)			min. 4				rating	EN 438-2:2016	
Resistance to UV light of the acrylic lacquer - 1,500 h (Contrast)			min. 3				Grey Scale Grade	EN 438-2:2016	
Resistance to UV light of the acrylic lacquer - 1,500 h (Appearance)			min. 4				rating	EN 438-2:2016	
Thermal conductivity			approx. 0.3				W/(mK)	EN 438-7:2005	
Tensile strength			min. 60				MPa	EN ISO 527-2	
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

Technical data

Duropal XTerior compact - double-sided lacquering

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 set.
Core material	<ul style="list-style-type: none"> • Compact laminate black • Solid, black pigmented compact laminate core, impact resistant and moisture resistant for applications with high specification demands.
Product safety	<ul style="list-style-type: none"> • The decorative surface and the core consists of paper layers that are impregnated with thermosetting resins. The resins harden completely during the manufacturing process by heat and high pressure. They form a stable, resistant and non-reactive material. • 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"> • FSC®-certification (license code: FSC-C011773) or PEFC-certification (license code: PEFC/04-32-0828) - available on request. • Because for production technical reasons there can be slight colour variations of the coloured core. • It is recommended that during any further processing or installation, the production direction of this product is taken into account, due to the process of surface lacquering during initial production, and that attention is paid to the colour- and structure uniformity of the boards. • 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.

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