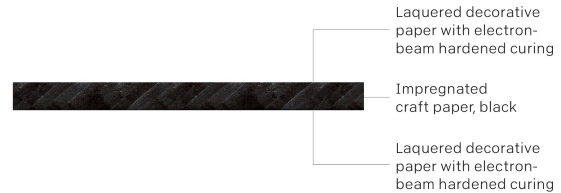


Technical data

Duropal Compact XTreme plus, black core

Compact high-pressure laminate in standard quality produced acc. to EN 438-4:CGS. With uniform black-coloured core and robust, electron beam cured surface on both sides.

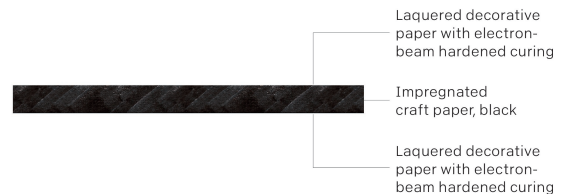


Specification						Unit	Standard
Nominal thickness	6	8	10	12	13	mm	
Tolerance on thickness	± 0.4	± 0.5	± 0.5	± 0.6	± 0.6	mm	EN 438-2:2016
Tolerance on length			+ 10			mm	EN 438-2:2016
Tolerance on width			+ 10			mm	EN 438-2:2016
Surface defects			max. 1 ¹⁾ max. 10 ²⁾			mm ² /m ² mm/m ²	EN 438-4:2016
Edge defects			max. 3			mm	EN 438-4:2016
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	mm/m	EN 438-2:2016
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 438-2:2016
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 wet heat, 100 °C (smooth finishes)			min. 4			rating	EN 438-2:2016
Resistance to dry heat, 160 °C (smooth finishes)			min. 4			rating	EN 438-2:2016
Resistance to water vapour (smooth finishes)			min. 4			rating	EN 438-2:2016
Resistance to immersion in boiling water (smooth finishes)			min. 4			rating	EN 438-2:2016
Resistance to immersion in boiling water (edge)			min. 3			rating	EN 438-2:2016
Resistance to immersion in boiling water			max. 2 ^{3) 4)}			%	EN 438-2:2016
Resistance to surface wear			min. 400			cycles	EN 438-2:2016
Resistance to scratching (smooth finishes)			min. 5			rating	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 - Fall height			min. 1,800			mm	EN 438-2:2016
Stain resistance (groups 1 & 2)			min. 5			rating	EN 438-2:2016
Stain resistance (group 3)			min. 5			rating	EN 438-2:2016
Resistance to colour change (xenon arc light)			4 to 5 Grey Scale Grade				EN 438-2:2016
Reaction to fire			normally flammable				
Reaction to fire (Euroclass)			D-s2,d0				EN 13501-1, CWFT acc. to 2003/593/EG

Technical data

Duropal Compact XTreme plus, black core

Compact high-pressure laminate in standard quality produced acc. to EN 438-4:CGS. With uniform black-coloured core and robust, electron beam cured surface on both sides.



Specification						Unit	Standard
Nominal thickness	6	8	10	12	13	mm	
Formaldehyde emission class	E1						EN 717-1

- 1) Dirt, spots and similar surface defects
- 2) Fibres, hairs and scratches
- 3) Mass increase
- 4) Thickness increase

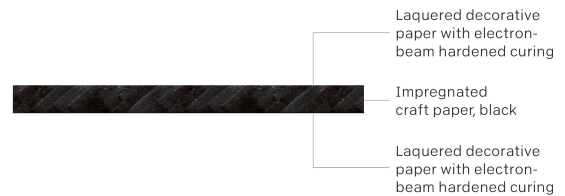
Additional information

Product standard	<ul style="list-style-type: none"> produced acc. to 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 open edge solutions as well as for engraving for individual 3D effects.
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. 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.
Special	<ul style="list-style-type: none"> With PEFC-certification (license code: PEFC/04-32-0828). The smoother the structure and the the darker the decor, the more sensitive it is to stains. For production-related reasons, there may be minor colour variations in the black material core. Due to the black core of the material, minor decorative deviations to other products cannot be avoided. Due to a low orientation of the electron beam cured surface the field of application, the conditions of space lighting and the décor may cause certain optical effects. This is a result of the production methods and does not constitute a quality defect. Available in design U12000 (U1200) Volcanic Black. Duropal Compact XTreme plus doesn't prevent scratches, but allows horizontal application! Mechanical influences on the surface texture will mean that scratches will be more noticeable on dark decors. Regardless of the decor, users should carry out their own tests – prior to application – before use. The material must not be exposed to heat influences by light- or heat radiation which will increase the surface temperature to more than 50°C. 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.

Technical data

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