

## Technical data

### Duropal XTreme plus

Decorative high pressure laminate in standard quality based on EN 438-3:HGS/VGS, with robust, electron beam cured surface and sanded reverse.



Lacquered decorative paper with electron-beam hardened curing

Impregnated craft paper, reverse side sanded

Specification		Unit	Standard
<b>Nominal thickness</b>	<b>0.8</b>	<b>mm</b>	
Tolerance on thickness	± 0.1	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 <sup>1)</sup> max. 10 <sup>2)</sup>	mm <sup>2</sup> /m <sup>2</sup> mm <sup>2</sup> /m <sup>2</sup>	EN 438-3:2016
Edge defects	min. 20	mm	EN 438-3:2016
Straightness of edges	min. 1.5	mm/m	EN 438-2:2016
Squareness	min. 1.5	mm/m	EN 438-2:2016
Flatness	min. 60	mm/m	EN 438-2:2016
Density	min. 1,350	kg/m <sup>3</sup>	EN ISO 1183-1
Dimensional stability at elevated temperature (length)	max. 0.55 <sup>3)</sup> max. 0.75 <sup>4)</sup>	%	EN 438-2:2016
Dimensional stability at elevated temperature (width)	max. 1.05 <sup>3)</sup> max. 1.25 <sup>4)</sup>	%	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 surface wear	min. 400 <sup>3) 4)</sup>	cycles	EN 438-2:2016
Resistance to scratching (smooth finishes)	min. 5 <sup>3) 4)</sup>	rating	EN 438-2:2016
Resistance to impact (small diameter ball)	min. 15 <sup>4)</sup> min. 20 <sup>3)</sup>	N	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)	Euroclass D-s2,d0 or worse in connection with normally and easily inflammable core boards.		EN 13501-1, CWFT acc. to 2003/593/EG
Formaldehyde emission class	E1		EN 717-1
Formability (length)	The material is not suitable for post forming.		
Formability (width)	The material is not suitable for post forming.		

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

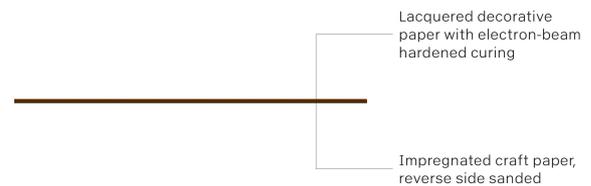
<sup>2)</sup> Fibres, hairs and scratches

<sup>3)</sup> Classification HGS

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<sup>4)</sup> Classification VGS

#### Additional information

Product standard	<ul style="list-style-type: none"> <li>produced acc. to EN 438-3</li> </ul>
Areas of application	<ul style="list-style-type: none"> <li>Attractive surface material, appropriate for surface and edge applications providing the high-performance features of the wellknown Duropal HPL products. Duropal XTreme plus is suitable for vertical applications as well as for horizontal, heavily-used contact surfaces.</li> </ul>
Product safety	<ul style="list-style-type: none"> <li>The surface is physiologically safe, and approved for direct contact with food acc. to Regulation (EU) No. 10/2011.</li> <li>We manufacture the panels without the use of halogens, heavy metals, preservatives, wood protectors or organic solvents.</li> <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>FSC<sup>®</sup>-certification (license code: FSC-C011773) or PEFC-certification (license code: PEFC/04-32-0828) - available on request.</li> <li>Available in design U11027 (U1027) Icy White, U11102 (U102) Chalk, U12000 (U1200) Volcanic Black, U12115 (U1115) Platinum Grey, U12188 (U1188) Light Grey, U12290 (U1290) Anthracite, U12986 (U1986) Grey</li> <li>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.</li> <li>To avoid any possible aesthetic and optical impairments, the orientation of the boards specified on the protection film of the product must strictly be followed, especially for large-surface applications.</li> <li>The smoother the structure and the the darker the decor, the more sensitive it is to stains.</li> <li>Duropal 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 or darker decors. Regardless of the decor, users should carry out their own tests – prior to application – before use.</li> </ul>

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