

Technical data

Duropal HPL

Decorative high pressure laminate in postforming quality according to EN 438-3:HGP/VGP, with robust melamine resin surface and sanded reverse.



Melamine impregnated decorative paper

Impregnated craft paper, reverse side sanded

Specification						Unit	Standard
Nominal thickness	0.5	0.6	0.8	1	1.2	mm	
Tolerance on thickness	± 0.1	± 0.1	± 0.1	± 0.1	± 0.15	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 438-3:2016
Edge defects			max. 20			mm	EN 438-3:2016
Straightness of edges			max. 1.5			mm/m	EN 438-2:2016
Squareness			max. 1.5			mm/m	EN 438-2:2016
Flatness			max. 60			mm/m	EN 438-2:2016
Density			min. 1,350			kg/m ³	EN ISO 1183-1
Dimensional stability at elevated temperature (length)			max. 0.55 ³⁾ max. 0.75 ⁴⁾			%	EN 438-2:2016
Dimensional stability at elevated temperature (width)			max. 1.05 ³⁾ min. 1.25 ⁴⁾			%	EN 438-2:2016
Resistance to wet heat, 100 °C (smooth finishes)			min. 3			rating	EN 438-2:2016
Resistance to wet heat, 100 °C (textured finishes)			min. 4			rating	EN 438-2:2016
Resistance to dry heat, 160 °C (smooth finishes)			min. 3			rating	EN 438-2:2016
Resistance to dry heat, 160 °C (textured finishes)			min. 4			rating	EN 438-2:2016
Resistance to water vapour (smooth finishes)			min. 3			rating	EN 438-2:2016
Resistance to water vapour (textured finishes)			min. 4			rating	EN 438-2:2016
Resistance to immersion in boiling water (smooth finishes)			min. 3			rating	EN 438-2:2016
Resistance to immersion in boiling water (textured finishes)			min. 4			rating	EN 438-2:2016
Resistance to surface wear			min. 50 ⁴⁾ min. 150 ³⁾			cycles	EN 438-2:2016
Resistance to scratching (smooth finishes)			min. 1 ⁴⁾ min. 2 ³⁾			rating	EN 438-2:2016
Resistance to scratching (textured finishes)			min. 2 ⁴⁾ min. 3 ³⁾			rating	EN 438-2:2016
Resistance to impact (small diameter ball)			min. 15 ⁴⁾ min. 20 ³⁾			N	EN 438-2:2016
Stain resistance (groups 1 & 2)			min. 5			rating	EN 438-2:2016
Stain resistance (group 3)			min. 4			rating	EN 438-2:2016
Resistance to colour change (xenon arc light)			4 to 5 Grey Scale Grade				EN 438-2:2016

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Nominal thickness	0.5	0.6	0.8	1	1.2	mm	
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)	min. 10 x t ⁵⁾						EN 438-2:2016
Formability (width)	Not determined, processing tests are to be carried out.						EN 438-2:2016

¹⁾ Dirt, spots and similar surface defects

²⁾ Fibres, hairs and scratches

³⁾ Classification HGP

⁴⁾ Classification VGP

⁵⁾ t = nominal thickness

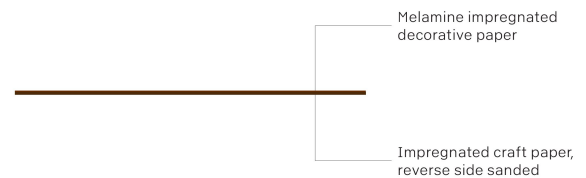
Additional information

Product standard	<ul style="list-style-type: none"> EN 438-3
Areas of application	<ul style="list-style-type: none"> Surface material for high-quality kitchen and office furniture, for walls and doors, furniture and installations in retail and recreational facilities, in the restaurant sector, in administration buildings, day nurseries, schools, sanitary, clinical or laboratory sectors. Particularly where high demands are made on sturdiness, ease of care and hygiene.
Product safety	<ul style="list-style-type: none"> The surface is physiologically safe, and approved for direct contact with food acc. to Regulation (EU) No. 10/2011. 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. We manufacture the panels without the use of halogens, heavy metals, preservatives, wood protectors or organic solvents. 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"> Certificate Blue Angel - Ecolabel (RAL DE-UZ 76) Also in anti-bacterial quality – with Duropal microPLUS®. The coarser the structure and the lighter the decor, the greater the scratch resistance. The smoother the structure and the darker the decor, the more sensitive it is to stains. 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. FSC®-certification (license code: FSC-C011773) or PEFC-certification (license code: PEFC/04-32-0828) - available on request.
Note	<ul style="list-style-type: none"> Classification HGP / HGF is achieved with the surface textures recommended for horizontal applications. Requirements of classification VGP / VGF are met by all surface textures. Please refer to our sales documentation, to check which textures are available for this product.

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