DUROPAL | thermopal

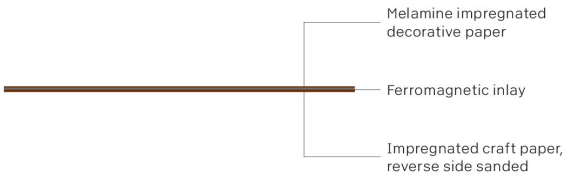
PFLEIDERER

September 2022

Technical data

Duropal HPL Magnet

Magnetic, decorative high pressure laminate in standard quality in accordance with EN 438-9:RTS. The reverse is sanded ready for gluing.



Applications

- Furniture and interior fitting

Properties

- Variety of decors and / or textures
- Magnetic
- Easy care
- Antimicrobial
- Food harmless

Certificates

FSC, PEFC

Specification		Unit	Test standard
Nominal thickness	**1.2**	**mm**	
Tolerance on thickness	± 0.18	mm	EN 438-2
Tolerance on length	+ 10	mm	EN 438-2
Tolerance on width	+ 10	mm	EN 438-2
Surface defects	max. 1 [1)] max. 10 [2)]	mm²/m² mm/m²	EN 438-2
Edge defects	max. 20	mm	EN 438-2
Straightness of edges	max. 1.5	mm/m	EN 438-2
Squareness	max. 1.5	mm/m	EN 438-2
Flatness (length)	max. 100	mm/m	EN 438-2
Density	min. 2,200	kg/m³	EN ISO 1183-1
Dimensional stability at elevated temperature (length)	max. 0.75	%	EN 438-2
Dimensional stability at elevated temperature (width)	max. 1.25	%	EN 438-2
Resistance to wet heat, 100 °C (gloss finishes)	min. 3	rating	EN 438-2
Resistance to wet heat, 100 °C (other finishes)	min. 4	rating	EN 438-2
Resistance to dry heat, 160 °C (gloss finishes)	min. 3	rating	EN 438-2
Resistance to dry heat, 160 °C (other finishes)	min. 4	rating	EN 438-2
Resistance to water vapour (gloss finishes)	min. 3	rating	EN 438-2
Resistance to water vapour (other finishes)	min. 4	rating	EN 438-2
Resistance to immersion in boiling water (gloss finishes)	min. 3	rating	EN 438-2
Resistance to immersion in boiling water (other finishes)	min. 4	rating	EN 438-2
Resistance to surface wear	min. 150	cycles	EN 438-2

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Specification		Unit	Test standard
Nominal thickness	**1.2**	**mm**	
Resistance to scratching (gloss finishes)	min. 2	rating	EN 438-2
Resistance to scratching (other finishes)	min. 3	rating	EN 438-2
Stain resistance (groups 1 & 2)	min. 5	rating	EN 438-2
Stain resistance (group 3)	min. 4	rating	EN 438-2
Resistance to colour change (xenon arc light)	min. 4 Grey Scale Grade		EN 438-2
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.		EN 438-2
Formability (width)	The material is not suitable for post forming.		

[1] Dirt, spots and similar surface defects
[2] Fibres, hairs and scratches

Additional information

Product standard	• in accordance with EN 438-9
Areas of application	• Furniture, partition walls and wall coverings with magnetic properties in shop and trade fair construction, in offices, schools, day nurseries, care home facilities, public facilities, etc.
Product safety	• This product follows the REACH regulation EC 1907/2006 an article. Following Article 7 it does not need to be registered. • 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, which 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.

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Antimicrobial effect	• Surface with antimicrobial effect in 24 h for interior fit-out and finishes – Test Methodology JIS Z 2801 / ISO 22196
Special	• The smoother the structure and the 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 unifomity of the boards and cut products used when further processing and installing and that the production direction is taken into account. • 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. • Full-size boards have a non-magnetic, visible border approx. 30 mm wide. • Real metal surfaces are not possible. • HG texture is recommended for writing on with standard board markers, textures VV and MP for writing on with blackboard chalk. • Due to the insertion of the metal mesh (ferromagnetic inlay), there will be optical deviations in the structure compared to standard products. • We recommend preliminary sampling for this product. • Cut to size is not available.
Note	• FSC certification or PEFC certification available on request. • FSC license code: FSC® C011773 • PEFC license code: PEFC/04-32-0828
Colour and surface match	• Decor, structure and core board all influence the final appearance of the end product. • 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. • 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. • 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.

Further information on products, formats and decor/structure combinations is available at www.pfleiderer.com

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