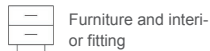


## Technical data

### Duropal Element Magnet P2

Decorative, magnetic high pressure laminate flat bonded particleboard, magnetic on both sides thanks to 1.2 mm Duropal HPL Magnet.

#### Applications



Furniture and interior fitting

#### Properties



Magnetic



Easy care



Antimicrobial



Food harmless

#### Certificates



Specification									Unit	Test standard
Nominal thickness	16.8	18.4	19.8	21.4	25.8	30.4	32.4	40.4	mm	
HPL-thickness in mm	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	mm	
Design front edge	not processed									
Design rear edge	not processed									
Tolerance on thickness	± 0.5								mm	ISO 13894-1
Tolerance on length	± 5								mm	ISO 13894-1
Tolerance on width	± 5								mm	ISO 13894-1
Surface defects - HPL	max. 1 <sup>1)</sup> max. 10 <sup>2)</sup>								mm <sup>2</sup> /m <sup>2</sup> mm/m <sup>2</sup>	EN 438-9:2014
Straightness of edges	± 0.5								mm/m	ISO 13894-1
Squareness	≤ 2								mm/m	ISO 13894-1
Flatness (length)	≤ 2								mm/m	ISO 13894-1
Flatness (width)	≤ 2								mm/m	ISO 13894-1
Resistance to wet heat, 100 °C (smooth finishes) - HPL	min. 3								rating	EN 438-2:2016
Resistance to wet heat, 100 °C (textured finishes) - HPL	min. 4								rating	EN 438-2:2016
Resistance to dry heat, 160 °C (smooth finishes) - HPL	min. 3								rating	EN 438-2:2016
Resistance to dry heat, 160 °C (textured finishes) - HPL	min. 4								rating	EN 438-2:2016
Resistance to water vapour (smooth finishes) - HPL	min. 3								rating	EN 438-2:2016
Resistance to water vapour (textured finishes) - HPL	min. 4								rating	EN 438-2:2016
Resistance to surface wear - HPL	min. 150								cycles	EN 438-2:2016
Resistance to scratching (smooth finishes) - HPL	min. 2								rating	EN 438-2:2016
Resistance to scratching (textured finishes) - HPL	min. 3								rating	EN 438-2:2016

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### Duropal Element Magnet P2

Specification									Unit	Test standard
Nominal thickness	16.8	18.4	19.8	21.4	25.8	30.4	32.4	40.4	mm	
HPL-thickness in mm	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	mm	
Resistance to impact (small diameter ball)	≥ 15								N	ISO 13894-1
Stain resistance (groups 1 & 2) - HPL	min. 5								rating	EN 438-2:2016
Stain resistance (group 3) - HPL	min. 4								rating	EN 438-2:2016
Resistance to colour change (xenon arc light) - HPL	min. 4 Grey Scale Grade									EN 438-2:2016
Reaction to fire	normally flammable									
Reaction to fire (Euroclass)	D-s2,d0	D-s2,d0	D-s2,d0	D-s2,d0	D-s2,d0	not classified	not classified	not classified		EN 13501-1, CWFT acc. to 2003/593/EG
Formaldehyde emission class	E1 E05									EN 717-1
Mean density	640 - 620 <sup>3)</sup>	640 - 620 <sup>3)</sup>	640 - 620 <sup>3)</sup>	640 - 620 <sup>3)</sup>	620 - 600 <sup>3)</sup>	600 - 580 <sup>3)</sup>	600 - 580 <sup>3)</sup>	580 - 540 <sup>3)</sup>	kg/m <sup>3</sup>	EN 323
Bending strength - Raw core materials	11 <sup>3)</sup>	11 <sup>3)</sup>	11 <sup>3)</sup>	11 <sup>3)</sup>	10.5 <sup>3)</sup>	9.5 <sup>3)</sup>	9.5 <sup>3)</sup>	8.5 <sup>3)</sup>	N/mm <sup>2</sup>	EN 310
Modulus of elasticity (bending stiffness) - Raw core materials	1,600 <sup>3)</sup>	1,600 <sup>3)</sup>	1,600 <sup>3)</sup>	1,600 <sup>3)</sup>	1,500 <sup>3)</sup>	1,350 <sup>3)</sup>	1,350 <sup>3)</sup>	1,200 <sup>3)</sup>	N/mm <sup>2</sup>	EN 310
Internal bond - Raw core materials	0.35 <sup>3)</sup>	0.35 <sup>3)</sup>	0.35 <sup>3)</sup>	0.35 <sup>3)</sup>	0.3 <sup>3)</sup>	0.25 <sup>3)</sup>	0.25 <sup>3)</sup>	0.2 <sup>3)</sup>	N/mm <sup>2</sup>	EN 319
Surface soundness - Raw core materials	0.8 <sup>3)</sup>								N/mm <sup>2</sup>	EN 311
Durability - Water resistance	≤ 15								%	ISO 13894-1
Resistance to fixings (face)	≥ 1,500								N	ISO 13894-1
Resistance to fixings (edge)	≥ 500								N	ISO 13894-1
Bonding strength	≥ 0.6								N/mm <sup>2</sup>	ISO 13894-1
Flexural tensile strength	≥ 0.6								N/mm <sup>2</sup>	ISO 13894-1
Durability - Glue-line quality	≥ 3								rating	ISO 13894-1
Durability - Resistance to elevated temperature	no effect									ISO 13894-1

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

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

<sup>3)</sup> Core material

#### Additional information

Product standard	<ul style="list-style-type: none"> <li>EN 13894-1</li> </ul>
Areas of application	<ul style="list-style-type: none"> <li>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.</li> </ul>
Product safety	<ul style="list-style-type: none"> <li>This product follows the REACH regulation EC 1907/2006 an article. Following Article 7 it does not need to be registered.</li> <li>The surface is physiologically safe, and approved for direct contact with food acc. to Regulation (EU) No. 10/2011.</li> </ul>

## Technical data

### Duropal Element Magnet P2

Antimicrobial effect	<ul style="list-style-type: none"> <li>Surface with antimicrobial effect in 24h for interior fit-out and finishes - Test Methodology JIS Z 2801 / ISO 22196</li> </ul>
Special	<ul style="list-style-type: none"> <li>HG texture is recommended for writing on with standard board markers, textures VV and MP for writing on with blackboard chalk.</li> <li>Real metal surfaces are not possible.</li> <li>Further core boards on request.</li> <li>Cut to size is not available.</li> <li>Slight deviations in the structure compared with the standard product cannot be avoided because of the metal mesh.</li> <li>FSC certification or PEFC certification available on request.</li> </ul>
Note	<ul style="list-style-type: none"> <li>FSC certification or PEFC certification available on request.</li> <li>FSC license code: FSC® C011773</li> <li>PEFC license code: PEFC/04-32-0828</li> </ul>
Colour and surface match	<ul style="list-style-type: none"> <li>Decor, structure and core board all influence the final appearance of the end product.</li> <li>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.</li> <li>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.</li> <li>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.</li> </ul>

Further information on products, formats and decor/structure combinations is available at [www.pfleiderer.com](http://www.pfleiderer.com)

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