

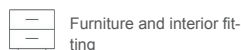
## Technical data

### DecoBoard MFP Hybrid

Combination of particleboard (MFP) as middle layer and one high-density thin fibreboard (HDF) as top layer on each side with decorative melamine resin facing on both sides.



#### Applications



Furniture and interior fitting

#### Properties



Variety of decors and / or textures



Easy care



Antimicrobial



Load bearing – particularly high bending strength

#### Certificates



Specification					Unit	Test standard
Nominal thickness	16	19	22	25	mm	
Tolerance on thickness	±0.3 for class 1, 2 +0.5/-0.3 for class 3A, 3B, 4 and gloss surfaces	±0.3 for class 1, 2 +0.5/-0.3 for class 3A, 3B, 4 and gloss surfaces	±0,5	±0,5	mm	EN 14323
Length- and width tolerance	± 5				mm	EN 14323
Length- and width tolerance (pre-cut panels)	± 2.5				mm	EN 14323
Flatness	≤ 2 <sup>1)</sup>				mm/m	EN 14323
Edge damage	≤ 10				mm	EN 14323
Edge damage (pre-cut panels)	≤ 3				mm	EN 14323
Surface defects (Points)	≤ 2				mm <sup>2</sup> /m <sup>2</sup>	EN 14323
Surface defects (Defect in the length)	≤ 20				mm/m	EN 14323
Resistance to scratching	≥ 1.5 <sup>2)</sup>				N	EN 14323
Resistance to staining	≥ 3				Rating	EN 14323
Resistance to cracking	≥ 3				Rating	EN 14323
Resistance to abrasion (plain colours)	3A				Class	EN 14323
Resistance to abrasion (printed designs)	1				Class	EN 14323
Resistance to abrasion (printed designs with overlay)	3A				Class	EN 14323
Resistance to colour change in xenon arc light	min. 4 Grey Scale Grade					EN 14323
Mean density	820 - 840 <sup>3)</sup>	760 - 780 <sup>3)</sup>	740 - 760 <sup>3)</sup>	710 - 730 <sup>3)</sup>	kg/m <sup>3</sup>	EN 323
Bending strength	30 <sup>3)</sup>	28 <sup>3)</sup>	26 <sup>3)</sup>	24 <sup>3)</sup>	N/mm <sup>2</sup>	EN 310
Bending modulus of elasticity	4,200 <sup>3)</sup>	4,100 <sup>3)</sup>	4,000 <sup>3)</sup>	3,800 <sup>3)</sup>	N/mm <sup>2</sup>	EN 310
Internal bond	0.5 <sup>3)</sup>				N/mm <sup>2</sup>	EN 319

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Specification					Unit	Test standard
Nominal thickness	16	19	22	25	mm	
Surface soundness	0.8 <sup>3)</sup>				N/mm <sup>2</sup>	EN 311
Resistance to axial withdrawal of screws from face	2,100 <sup>3)</sup>	1,900 <sup>3)</sup>	1,700 <sup>3)</sup>	1,700 <sup>3)</sup>	N	EN 320
Resistance to axial withdrawal of screws from edge	1,600 <sup>3)</sup>	1,500 <sup>3)</sup>	1,300 <sup>3)</sup>	1,100 <sup>3)</sup>	N	EN 320
Formaldehyde release	E1 E05					

<sup>1)</sup> If symmetrical construction

<sup>2)</sup> Except smooth and matt structures, as well as decors with mother-of-pearl effect

<sup>3)</sup> Core material

#### Additional information

Product standard	<ul style="list-style-type: none"> <li>EN 14322</li> </ul>
Areas of application	<ul style="list-style-type: none"> <li>Furniture construction and interior fitting, stage and set construction, shelving systems, furniture, shelves. Suitable for use in dry environments.</li> </ul>
Core material	<ul style="list-style-type: none"> <li>PremiumBoard MFP Hybrid</li> <li>PremiumBoard MFP Hybrid consists of a PremiumBoard MFP as core layer combined with StyleBoard HDF as top layers with a thickness of 2 mm that can also be laminated on both sides. The MFP and HDF panels are glued using PVAC-glue (D4-glue). Due to its isotropic bending strength, its very good screw-holding strength and its high durability, the Hybrid wood-based panel is mainly suited for applications where high stability and load-bearing capacity are required.</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> <li>We manufacture the panels without the use of organohalogens, heavy metals, preservatives, wood protectors or organic solvents.</li> </ul>
Antimicrobial effect	<ul style="list-style-type: none"> <li>Surface with antimicrobial effect in 24 h for interior fit-out and finishes – Test Methodology JIS Z 2801 / ISO 22196</li> </ul>
Resistance to heat	<ul style="list-style-type: none"> <li>Heat sources (e.g. coffee machines, printers, fax machines, etc.) should not come into direct contact with the board, otherwise cracks may form due to drying out. For continuous exposure to heat, temperatures of up to 50°C are permissible. In the case of permanent exposure to heat, we expressly draw attention to the risk of cracking.</li> </ul>
Special	<ul style="list-style-type: none"> <li>A protective foil must be removed as soon as possible after processing – but at the latest within 6 months after delivery – to ensure residue-free removal of the foil. In addition, foiled boards must not be exposed to direct sunlight (UV radiation).</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> <li>By some decor/texture combinations a slight surface disruption may be visible. This is due to the construction of the core material and is not indicative of a quality fault.</li> </ul>

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### DecoBoard MFP Hybrid

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

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