

## Technical data

### DecoBoard P2 ESA

Electrostatically dissipative particleboard with decorative melamine resin facing on both faces.

#### Applications



Furniture and interior fitting

#### Properties



Easy care



Electrostatically dissipative

#### Certificates



Specification				Unit	Test standard
Nominal thickness	19	25	28.4	mm	
Tolerance on thickness	±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	640 - 620 <sup>3)</sup>	620 - 600 <sup>3)</sup>	600 - 580 <sup>3)</sup>	kg/m <sup>3</sup>	EN 323
Bending strength	11 <sup>3)</sup>	10.5 <sup>3)</sup>	9.5 <sup>3)</sup>	N/mm <sup>2</sup>	EN 310
Bending modulus of elasticity	1,600 <sup>3)</sup>	1,500 <sup>3)</sup>	1,350 <sup>3)</sup>	N/mm <sup>2</sup>	EN 310
Internal bond	0.35 <sup>3)</sup>	0.3 <sup>3)</sup>	0.25 <sup>3)</sup>	N/mm <sup>2</sup>	EN 319

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Nominal thickness	19	25	28.4	mm	
Surface soundness	0.8 <sup>3)</sup>			N/mm <sup>2</sup>	EN 311
Formaldehyde release	E1 E05				
Reaction to fire (Euroclass)	D-s2,d0 conforming to EN 13986 dependent on end use (Thickness: $\geq 9$ mm / Gross density: $\geq 600$ kg/m <sup>3</sup> )				
Volume resistance R <sub>D</sub>	$1 \times 10^4 - 1 \times 10^9$ Ohm <sup>4)</sup>				EN 61340-5-1

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

<sup>2)</sup> Except smooth and matt structures

<sup>3)</sup> Core material

<sup>4)</sup> measured dry, measurement voltage 100 V DC, cylindrical electrode, 20–30 °C and 20–50 % rel. humidity (96 h conditioning)

#### 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>The products from our ESA system are indispensable wherever electrostatic charges are to be prevented. The conductive constituents ensure a reliable and simple earthing possibility for furniture, partition elements and panels at places of work in the microelectronics industry, in laboratories or central control rooms.</li> </ul>
Core material	<ul style="list-style-type: none"> <li>PremiumBoard P2 ESA</li> <li>Electrostatically dissipative particleboard, Type P2 conforming to EN 312, suitable for interior fitting and furniture, for non load-bearing purposes in dry areas.</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>
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> </ul>

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### DecoBoard P2 ESA

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

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