

Melamine facing

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PremiumBoard Pyroex

September 2025

## **Technical data**

## DecoBoard Pyroex

Flame retardant particleboard with decorative melamine resin facing on both faces, awarded with the Blue Angel.

#### **Applications**



Furniture and interior fit-



Fire protection

### **Properties**



Variety of decors and / or textures



Easy care



Antimicrobial



Flame retardant



Particularly low emission

## Certificates

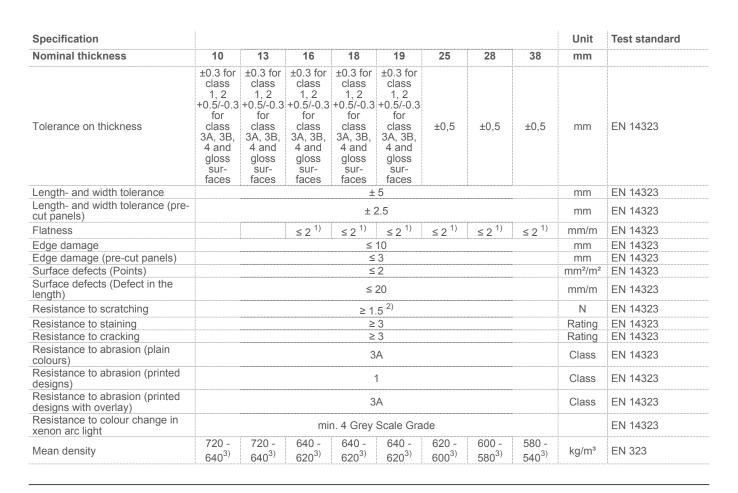














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Specification									Unit	Test standard
Nominal thickness	10	13	16	18	19	25	28	38	mm	
Bending strength	11 <sup>3)</sup>	11 <sup>3)</sup>	11 <sup>3)</sup>	11 <sup>3)</sup>	11 <sup>3)</sup>	10.5 <sup>3)</sup>	10.5 <sup>3)</sup>	8.5 <sup>3)</sup>	N/mm²	EN 310
Bending modulus of elasticity	1,800 <sup>3)</sup>	1,800 <sup>3)</sup>	1,600 <sup>3)</sup>	1,600 <sup>3)</sup>	1,600 <sup>3)</sup>	1,500 <sup>3)</sup>	1,500 <sup>3)</sup>	1,200 <sup>3)</sup>	N/mm²	EN 310
Internal bond	0.4 <sup>3)</sup>	0.4 <sup>3)</sup>	0.35 <sup>3)</sup>	0.35 <sup>3)</sup>	0.35 <sup>3)</sup>	0.3 <sup>3)</sup>	0.3 <sup>3)</sup>	0.2 <sup>3)</sup>	N/mm²	EN 319
Surface soundness		0.8 3)								EN 311
Formaldehyde release		E1 E05								
Reaction to fire (Euroclass)		B-s1,d0 <sup>4)</sup>								EN 13501-1
Reaction to fire		flame retardant								

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

### **Additional information**

Product standard	• EN 14322						
Areas of application	<ul> <li>Preventive fire protection in the decorative sector. For interior fitting as wall and ceiling coverings, installations, room dividers and furniture, in industrial and administrative buildings, schools, sports and festival halls, hotels and care facilities.</li> </ul>						
Core material	<ul> <li>PremiumBoard Pyroex</li> <li>Flame resistant particleboard, suitable for non load-bearing purposes in dry areas, for interior fitting for furniture subject to higher demands on fire protection.</li> </ul>						
Product safety	<ul> <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	Surface with antimicrobial effect in 24 h for interior fit-out and finishes – Test Methodology JIS Z 2801 / ISO 22196						
Resistance to heat	<ul> <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> <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> <li>FSC certification or PEFC certification available on request.</li> <li>FSC license code: FSC<sup>®</sup> C011773</li> <li>PEFC license code: PEFC/04-32-0828</li> </ul>						
Colour and surface match	<ul> <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>						

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

<sup>3)</sup> Core materia

<sup>4)</sup> DecoBoard Pyroex fulfills the additional specifications 'lowest smoke emission' and 'no burning droplets' and thus the highest building authority requirements for flame retardant building materials according to EN 13501-1.







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

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