

Technical data

DecoBoard Pyroex

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

Applications



Furniture and interior fitting



Fire protection



Melamine facing

PremiumBoard Pyroex

Melamine facing

Properties



Variety of decors and / or textures



Easy care



Antimicrobial



Flame retardant



Particularly low emission

Certificates



Specification									Unit	Test standard
Nominal thickness	10	13	16	18	19	25	28	38	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	±0.3 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	±0.3 for class 1, 2 +0.5/-0.3 for class 3A, 3B, 4 and gloss surfaces	±0.5	±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 ¹⁾	≤ 2 ¹⁾	≤ 2 ¹⁾	≤ 2 ¹⁾	≤ 2 ¹⁾	≤ 2 ¹⁾	mm/m	EN 14323
Edge damage	≤ 10								mm	EN 14323
Edge damage (pre-cut panels)	≤ 3								mm	EN 14323
Surface defects (Points)	≤ 2								mm ² /m ²	EN 14323
Surface defects (Defect in the length)	≤ 20								mm/m	EN 14323
Resistance to scratching	≥ 1.5 ²⁾								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	720 - 640 ³⁾	720 - 640 ³⁾	640 - 620 ³⁾	640 - 620 ³⁾	640 - 620 ³⁾	620 - 600 ³⁾	600 - 580 ³⁾	580 - 540 ³⁾	kg/m ³	EN 323

Technical data

DecoBoard Pyroex

Specification									Unit	Test standard
Nominal thickness	10	13	16	18	19	25	28	38	mm	
Bending strength	11 ³⁾	11 ³⁾	11 ³⁾	11 ³⁾	11 ³⁾	10.5 ³⁾	10.5 ³⁾	8.5 ³⁾	N/mm ²	EN 310
Bending modulus of elasticity	1,800 ³⁾	1,800 ³⁾	1,600 ³⁾	1,600 ³⁾	1,600 ³⁾	1,500 ³⁾	1,500 ³⁾	1,200 ³⁾	N/mm ²	EN 310
Internal bond	0.4 ³⁾	0.4 ³⁾	0.35 ³⁾	0.35 ³⁾	0.35 ³⁾	0.3 ³⁾	0.3 ³⁾	0.2 ³⁾	N/mm ²	EN 319
Surface soundness	0.8 ³⁾								N/mm ²	EN 311
Formaldehyde release	E1 E05									
Reaction to fire (Euroclass)	B-s1,d0 ⁴⁾									EN 13501-1
Reaction to fire	flame retardant									

¹⁾ If symmetrical construction

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

³⁾ Core material

⁴⁾ 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.

Additional information

Product standard	<ul style="list-style-type: none"> EN 14322
Areas of application	<ul style="list-style-type: none"> 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.
Core material	<ul style="list-style-type: none"> PremiumBoard Pyroex Flame resistant particleboard, suitable for non load-bearing purposes in dry areas, for interior fitting and for furniture subject to higher demands on fire protection.
Product safety	<ul style="list-style-type: none"> 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. We manufacture the panels without the use of organohalogens, heavy metals, preservatives, wood protectors or organic solvents.
Antimicrobial effect	<ul style="list-style-type: none"> Surface with antimicrobial effect in 24 h for interior fit-out and finishes – Test Methodology JIS Z 2801 / ISO 22196
Resistance to heat	<ul style="list-style-type: none"> 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.
Special	<ul style="list-style-type: none"> 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).
Note	<ul style="list-style-type: none"> FSC certification or PEFC certification available on request. FSC license code: FSC® C011773 PEFC license code: PEFC/04-32-0828
Colour and surface match	<ul style="list-style-type: none"> 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.

Technical data

DecoBoard Pyroex

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

© Copyright 2025 Pfeiderer Deutschland GmbH

This information is issued with great care. We do not however accept any responsibility for the accuracy, completeness and timeliness. There may be slight colour differences between the printed brochure image and the actual design.

Due to the continuous development and modification of our products, possible changes to the relevant standards, laws and regulations, our technical data sheets and product documents expressly do not represent a legally binding guarantee of the properties specified therein. In particular, no suitability for a specific purpose can be derived from this information. It is therefore the personal responsibility of the individual user to check the processing and suitability of the products described in this document for the intended use and to take into account the legal framework and the current state of the art. Furthermore, we expressly refer to the validity of our general terms and conditions.

You can find our general terms and conditions on our webpage: www.pfleiderer.com

Pfleiderer Deutschland GmbH

Ingolstädter Str. 51
92318 Neumarkt
Germany

phone	+49 (0) 91 81 28 48 0
Fax	+49 (0) 91 81 28 48 2
	info@pfleiderer.com
	www.pfleiderer.com