

Technical data

DecoBoard Pyroex P4

Wood particleboard type P4 in accordance with EN 312, for structural purposes for use in dry conditions, melamine faced on both sides, flame retardant.

Applications



Fire protection



Storage technology

Properties



Antimicrobial



Anti-slip surface



Flame retardant



Load-bearing



Particularly low emission



Certificates



Specification		Unit	Test standard
Nominal thickness	38	mm	
Tolerance on thickness	±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⁾	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	620 - 600 ³⁾	kg/m ³	EN 323
Bending strength	9 ³⁾	N/mm ²	EN 310
Bending modulus of elasticity	1,500 ³⁾	N/mm ²	EN 310
Internal bond	0,2 ³⁾	N/mm ²	EN 319

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Specification		Unit	Test standard
Nominal thickness	38	mm	
Thickness swell (24 h)	14 ³⁾	%	EN 317
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	EN 14322
Areas of application	DecoBoard Pyroex P4 combines all the advantages of a structural particleboard with additional safety in case of fire. By adding flame retardants, the burn-through rate of the raw particleboards is reduced, as a result of which, the full development of the fire is delayed and in certain circumstances a fire is even prevented. Ideally suitable for shelving and racking, in combination with the skidproof texture and particular product lay-up, DecoBoard Pyroex P4 achieves slip resistance rating R10 and abrasion resistance class AC4 on its top face.
Core material	- PremiumBoard Pyroex P4 - Wood particleboard type P4 in accordance with EN 312, for structural purposes for use in dry conditions, flame resistant.
Product safety	- 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	Surface with antimicrobial effect in 24 h for interior fit-out and finishes – Test Methodology JIS Z 2801 / ISO 22196
Resistance to heat	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	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	- FSC certification or PEFC certification available on request. - FSC license code: FSC® C011773 - PEFC license code: PEFC/04-32-0828
Colour and surface match	- 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.

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

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