DUROPAL | thermopal

PFLEIDERER

October 2026

Technical data

PerformBoard Bfl P4

Melamine-faced particleboard on both sides, type P4 in accordance with DIN EN 312, for load-bearing applications in dry conditions. The top surface, featuring an AC4 overlay, is available with an R10 or R12 slip-resistant finish; the underside has a white coating.



Applications

Storage technology

Properties

Antimicrobial

Slip-resistant

Load-bearing

Direction-free application

Certificates

Specification		Unit	Test standard
Nominal thickness	**38**	**mm**	
Flatness	≤ 2 [1)]	mm/m	EN 14323
Straightness of edges	1.5	mm/m	EN 324-2
Edge damage	≤ 10	mm	EN 14323
Edge damage (pre-cut panels)	≤ 3	mm	EN 14323
Surface defects (Points)	≤ 2	mm²/m²	EN 14323
Surface defects (Defect in the length)	≤ 20	mm/m²	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)	AC4	Class	EN 14323
Resistance to abrasion (printed designs)	AC4	Class	EN 14323
Resistance to colour change in xenon arc light	min. 4 Grey Scale Grade		EN 14323
Mean density	620 - 600 [3)]	kg/m³	EN 323
Density tolerance	[3)] ± 10	%	EN 323
Bending strength	[3)] 9	N/mm²	EN 310
Bending modulus of elasticity	[3)] 1,500	N/mm²	EN 310
Internal bond	[3)] 0.2	N/mm²	EN 319
Thickness swell (24 h)	[3)] 14	%	EN 317

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Specification		Unit	Test standard
Nominal thickness	**38**	**mm**	
Formaldehyde release	E1 E05		
Reaction to fire (Euroclass)	D-s2,d0 conforming to EN 13986 dependent on end use (Thickness: ≥ 9 mm / Gross density: ≥ 600 kg/m³)		EN 13501-1
Fire behavior of floor coverings	B_{fl} - s1		EN 13501-1

[1] If symmetrical construction
[2] Except smooth and matt structures, as well as decors with mother-of-pearl effect
[3] Core material

Additional information

Product standard	• EN 14322
Areas of application	• PerformBoard Bfl P4 is a particleboard faced with melamine resin on both sides, specially designed for mezzanine floors with enhanced fire protection requirements. Its high-quality facing achieves a reaction-to-fire classification of Bfl-s1 in accordance with DIN EN 13501-1. The easy-to-clean, abrasion-resistant top surface with AC4 overlay is available in either slip-resistance class R10 or R12. This makes it ideally suited for the use of order-picking trolleys or pallet trucks when manoeuvring goods. The substrate can be installed irrespective of orientation, thus minimising offcut rates. It is also manufactured using a high proportion of specially processed, high-quality recycled wood, ensuring a resource-efficient prefabricated component.
Core material	• PerformBoard raw Dfl P4 • Wood particleboard type P4 in accordance with EN 312, for structural purposes for use in dry conditions.
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
Processing instructions	• Thick and thin edges are suitable.
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.
General technical information	• Tolerances according to DIN EN 312, Table 1

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

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