

Technical data

PerformBoard White Dfl P4

Chipboard type P4, melamine-coated on one side according to DIN EN 312, for load-bearing purposes in dry conditions. The white coating on the underside reflects incoming light and automatically creates a brighter environment.



Applications



Properties



Certificates



Load diagrams

Specification		Unit	Test standard
Nominal thickness	38	mm	
Tolerance on thickness	±0,5	mm	EN 14323
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	mm ² /m ²	EN 14323
Surface defects (Defect in the length)	≤ 20	mm/m ²	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 colour change in xenon arc light	min. 4 Grey Scale Grade		EN 14323
Mean density	620 - 600 ³⁾	kg/m ³	EN 323
Density tolerance	± 10 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
Thickness swell (24 h)	14 ³⁾	%	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/m ³)		EN 13501-1
Fire behavior of floor coverings	Dfl-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 White Dfl P4 is a particleboard with a melamine resin coating on one side especially for storage platforms. The uncoated top surface offers the customer the greatest possible flexibility in the final surface design. The white-coated underside offers significantly increased light reflection, ensuring well-lit warehouses. The core can be used in any direction, enabling the production of customised products with the smallest possible offcuts. Thanks to the high recycled wood content, processed to a high standard, products of outstanding quality are produced in a way that conserves resources and meets the highest demands in storage technology.
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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