

Technical data

FormBoard P7 S

Wood particleboard type P7 according to DIN EN 312, highly loadbearing, for structural use in humid conditions, melamine-coated on both sides. Standard with a resin application rate of 320 g/m² per side, or 450 g/m² on request.



Applications



Properties

	Low swelling / moisture resistant		Load bearing – particularly high bending strength		Direction-free application
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Certificates



Specification			Unit	Test standard
Nominal thickness	17.5	20.5	mm	
Tolerance on thickness	±0.3 for class 1, 2 +0.5/-0.3 for class 3A, 3B, 4 and gloss surfaces	±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	min. 3		Rating	EN 14323
Resistance to cracking	min. 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 ³⁾			EN 14323
Mean density	760 ⁴⁾		kg/m ³	EN 323
Density tolerance	± 10 ⁴⁾		%	EN 323
Bending strength	23 ⁴⁾		N/mm ²	EN 310
Bending modulus of elasticity	3,100 ⁴⁾	2,900 ⁴⁾	N/mm ²	EN 310
Internal bond	0.7 ⁴⁾	0.65 ⁴⁾	N/mm ²	EN 319

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Specification			Unit	Test standard
Nominal thickness	17.5	20.5	mm	
Internal bond after boil test	0.2 ⁴⁾		N/mm ²	EN 1087-1
Thickness swell (24 h)	5 ⁴⁾	4 ⁴⁾	%	EN 317
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)			

¹⁾ If symmetrical construction

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

³⁾ Except for metallic decors

⁴⁾ Core material

Additional information

Product standard	<ul style="list-style-type: none"> EN 14322
Areas of application	<ul style="list-style-type: none"> Thanks to its moisture-resistant bonding, FormBoard P7 S is excellently suited for multiple use in formwork construction. An optimal result is supported by a special impregnation of the coating. As standard, this is applied at 320 g/m² per side; with a 450 g/m² variant, the number of possible use cycles increases (28–30 uses)! The setting behavior of the concrete is not negatively affected by the board.
Core material	<ul style="list-style-type: none"> PremiumBoard P7 S Wood particleboard type P7 in accordance with EN 312, heavy-duty for structural purposes for use in humid conditions.
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.
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
Processing instructions	<ul style="list-style-type: none"> Thick and thin edges are suitable. 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.
Colour and surface match	<ul style="list-style-type: none"> 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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