

Technical data

DecoBoard Real Metal P2

Urea resin bonded particleboard with real aluminium foil on both sides in direct facing method.

Applications



Furniture and interior fitting

Properties



Real metal surface

Certificates



Specification				Unit	Test standard
Nominal thickness	16	18	19	mm	
Tolerance on thickness	±0.3 for class 1, 2 +0.5/-0.3 for class 3A, 3B, 4 and gloss surfaces			mm	EN 14323
Length- and width tolerance	± 5			mm	EN 14323
Flatness	≤ 2 ¹⁾			mm/m	EN 14323
Edge damage	≤ 10			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			N	EN 14323
Resistance to staining	≥ 3			Rating	EN 14323
Resistance to cracking	≥ 3			Rating	EN 14323
Resistance to colour change in xenon arc light	min. 4 Grey Scale Grade				EN 14323
Mean density	670 - 650 ²⁾			kg/m ³	EN 323
Tolerance on the mean density	± 10 ²⁾			%	EN 323
Bending strength	11 ²⁾			N/mm ²	EN 310
Bending modulus of elasticity	1,600 ²⁾			N/mm ²	EN 310
Internal bond	0.35 ²⁾			N/mm ²	EN 319
Surface soundness	0.8 ²⁾			N/mm ²	EN 311
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⁾ Core material

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Additional information

Areas of application	Exclusively for vertical applications in high-quality interior fitting, shop fitting and trade fair construction, for kitchen and residential furniture. Real aluminium surfaces are not suitable for horizontal surfaces and/or surfaces exposed to mechanical loads.
Core material	- ClassicBoard P2 - Urea resin-bonded particleboard, type P2 conforming to EN 312, suitable for non load-bearing purposes in dry areas.
Product safety	- This product follows the REACH regulation EC 1907/2006 an article. Following Article 7 it does not need to be registered. - We manufacture the panels without the use of organohalogens, heavy metals, preservatives, wood protectors or organic solvents.
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	- The real metal surface is made of aluminium. Unlike classic, melamine-impregnated decor papers, real metal surfaces may provide certain visual effects on the surface. Differences in colour, a slight unevenness in the surface and small indentations may also occur. These are not quality defects, but proof of the real metal surface, distinguishing it from imitations. - Please consider that metal surfaces react more sensitive to scratch, impact and abrasion purposes than melamine surfaces. Also the chemical resistance is comparatively lower. - Cut to size is not available. - 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	- Processing with protective foil is recommended. Dirt inclusions as well as heavy or sharp objects can leave pressure marks on the surface. - If processed with the protective foil in place, please observe the longitudinal orientation of the decor surface and the longitudinal butt joint of the real metal film at approx. 1,380 mm (2 films) in size 2,800 x 2,070 mm. - Face side face up on machining table, flashes can be removed using a fine file or sandpaper. Avoid flashes by using a pulling cut, and mill at a low speed, preferably synchronised. - We recommend the use of fixed machinery. - 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.

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

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