

Technical data

DecoBoard P3

Particleboard with melamine resin facing on both sides for damp areas.

Applications



Furniture and interior fitting



Properties



Variety of decors and / or textures



Easy care



Antimicrobial



Low swelling / moisture resistant

Certificates



| Specification | | | | | | Unit | Test standard |
|---|---|-------------------------|-------------------------|-------------------------|-------------------------|---------------------------------|---------------|
| Nominal thickness | 10 | 13 | 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 |
| Length- and width tolerance (pre-cut panels) | ± 2.5 | | | | | mm | EN 14323 |
| Flatness | | | ≤ 2 ¹⁾ | ≤ 2 ¹⁾ | ≤ 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 | 740 - 690 ³⁾ | 740 - 690 ³⁾ | 690 - 680 ³⁾ | 690 - 680 ³⁾ | 690 - 680 ³⁾ | kg/m ³ | EN 323 |
| Bending strength | 15 ³⁾ | 15 ³⁾ | 14 ³⁾ | 14 ³⁾ | 14 ³⁾ | N/mm ² | EN 310 |
| Bending modulus of elasticity | 2,050 ³⁾ | 2,050 ³⁾ | 1,950 ³⁾ | 1,950 ³⁾ | 1,950 ³⁾ | N/mm ² | EN 310 |

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| Specification | | | | | | Unit | Test standard |
|------------------------------|---|------------------|------------------|------------------|------------------|-------------------|---------------|
| Nominal thickness | 10 | 13 | 16 | 18 | 19 | mm | |
| Internal bond | 0.45 ³⁾ | | | | | N/mm ² | EN 319 |
| Thickness swell (24 h) | 17 ³⁾ | 17 ³⁾ | 14 ³⁾ | 14 ³⁾ | 14 ³⁾ | % | 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⁾ Core material

| Specification | | | | | Unit | Test standard |
|---|---|-------------------------|-------------------------|---------------------|---------------------------------|---------------|
| Nominal thickness | 22 | 25 | 28 | 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 | 680 - 660 ³⁾ | 680 - 660 ³⁾ | 660 - 640 ³⁾ | < 640 ³⁾ | kg/m ³ | EN 323 |
| Bending strength | 12 ³⁾ | 12 ³⁾ | 11 ³⁾ | 9 ³⁾ | N/mm ² | EN 310 |
| Bending modulus of elasticity | 1,850 ³⁾ | 1,850 ³⁾ | 1,700 ³⁾ | 1,550 ³⁾ | N/mm ² | EN 310 |
| Internal bond | 0.4 ³⁾ | 0.4 ³⁾ | 0.35 ³⁾ | 0.3 ³⁾ | N/mm ² | EN 319 |
| Thickness swell (24 h) | 13 ³⁾ | 13 ³⁾ | 13 ³⁾ | 12 ³⁾ | % | 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⁾ Core material

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Additional information

| | |
|--------------------------|---|
| Product standard | <ul style="list-style-type: none"> • EN 14322 |
| Areas of application | <ul style="list-style-type: none"> • Carcass and front quality for furniture making, shopfitting and interior fitting. Particularly for areas with higher demands on moisture resistance i. e. in bathroom furniture. |
| Core material | <ul style="list-style-type: none"> • ClassicBoard P3 • Melamine resin bonded particleboard type P3, suitable for non load-bearing purposes in damp areas. |
| 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. |
| Antimicrobial effect | <ul style="list-style-type: none"> • Surface with antimicrobial effect in 24 h for interior fit-out and finishes – Test Methodology JIS Z 2801 / ISO 22196 |
| 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 |
| Colour and surface match | <ul style="list-style-type: none"> • 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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