DUROPAL | thermopal

PFLEIDERER

November 2022

# Technical data
## DecoBoard P2 ESA

Electrostatically dissipative particleboard with decorative melamine resin facing on both faces.


### Applications

Furniture and interior fitting

### Properties

Easy care

Electrostatically dissipative

### Certificates

| Specification | | | | | Unit | Test standard |
|---|---|---|---|---|---|---|
| **Nominal thickness** | **19** | **25** | **28.4** | **38** | **mm** | |
| Tolerance on thickness | ±0.3 for class 1, 2 +0.5/-0.3 for class 3A, 3B, 4 and gloss surfaces | ±0,5 | ±0,5 | ±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 | | | 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) | | 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 | 640 - 620 [3)] | 620 - 600 [3)] | 600 - 580 [3)] | 580 - 540 [3)] | kg/m³ | EN 323 |
| Bending strength | 11 [3)] | 10.5 [3)] | 9.5 [3)] | 8.5 [3)] | N/mm² | EN 310 |
| Bending modulus of elasticity | 1,600 [3)] | 1,500 [3)] | 1,350 [3)] | 1,200 [3)] | N/mm² | EN 310 |
| Internal bond | 0.35 [3)] | 0.3 [3)] | 0.25 [3)] | 0.2 [3)] | N/mm² | EN 319 |

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| Specification | | | | | Unit | Test standard |
|---|---|---|---|---|---|---|
| **Nominal thickness** | **19** | **25** | **28.4** | **38** | **mm** | |
| Surface soundness | 0.8 [3] | | | | N/mm² | EN 311 |
| Formaldehyde release | E1 E05 | | | | | |
| Reaction to fire (Euroclass) | D-s2,d0 according to EN 13986 dependent on end use (Thickness: ≥ 9 mm / Gross density: ≥ 600 kg/m³) | | | | | |
| Volume resistance $R_D$ | $1 \times 10^4$–$1 \times 10^9$ Ohm [4] | | | | | EN 61340-5-1 |

[1] If symmetrical construction
[2] Except smooth and matt structures
[3] Core material
[4] measured dry, measurement voltage 100 V DC, cylindrical electrode, 20–30 °C and 20–50% rel. humidity (96 h conditioning)

### Additional information

| | |
|---|---|
| Product standard | • EN 14322 |
| Areas of application | • The products from our ESA system are indispensable wherever electrostatic charges are to be prevented. The conductive constituents ensure a reliable and simple earthing possibility for furniture, partition elements and panels at places of work in the microelectronics industry, in laboratories or central control rooms. |
| Core material | • PremiumBoard P2 ESA<br>• Electrostatically dissipative particleboard, Type P2 according to EN 312, suitable for interior fitting and furniture, 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. |
| 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).<br>• Decors: W10140 Frontal White / U12188 Light Grey |
| Note | • FSC certification or PEFC certification available on request.<br>• FSC license code: FSC® C011773<br>• PEFC license code: PEFC/04-32-0828 |
| Colour and surface match | • Decor, structure and core board all influence the final appearance of the end product.<br>• 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.<br>• 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.<br>• 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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## DecoBoard P2 ESA

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



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