# Technical Data Sheet

**Manor**

**Class 32 according to DIN EN 13329:2024-03**

**Version: 01/2025**

**Profile:** megaloc twin

**Core board:** Classenboard HDF
**Dimensions:** 643 x 131 x 8 mm
**Quantity / Weight per box (PU):** 14 pieces = 1.179 m² / approx. 8 kg
**Quantity / Weight per pallet:** 96 PU = 113.18 m² / approx. 806 kg

| Characteristics | Test Method | Requirements |
|---|---|---|
| **General Requirements** | | |
| Geometrical characteristics | EN 17539 | Length: ± 0.5 mm<br>Width: ± 0.1 mm |
| Thickness | EN 17539 | ± 0.5 mm |
| Squareness | EN 17539 | max. ≤ 0.20 mm |
| Straightness | EN 17539 | max. ≤ 0.30 mm/m |
| Flatness of the elements | EN 17539 | Width: concave ≤ 0.15%, convex ≤ 0.20 %<br>Length: concave ≤ 0.50 %, convex ≤ 1.00 % |
| Openings | EN 17539 | Ø ≤ 0.15 mm<br>max. ≤ 0.20 mm |
| Height difference | EN 17539 | Ø ≤ 0.10 mm<br>max. ≤ 0.15 mm |
| Light fastness | EN ISO 4892-2 | Grey scale level ≥ 4 |
| Residual indentation | EN ISO 24343-1 | ≤ 0.05 mm |
| **Classification Requirements** | | |
| Wear resistance | ISO 24338<br>Method A | ≥ 6,000 cycles (AC5) |
| Impact resistance | EN 17368<br>DIN EN 13329:2024-03 Annexe C | Small-diameter ball ≥ 35 mm<br>Large-diameter ball ≥ 600 mm |
| Resistance to staining | EN 438-2 | 5 (group 1 and 2), 4 ( group 3) |
| Movement of a furniture leg | EN ISO 16581 | No visible damage with type 0 |
| Castor chair resistance | EN ISO 4918 | No visible damage with type W<br>after 15,000 cycles |
| Thickness swelling | ISO 24336 | ≤ 18 % |
| Locking strength | ISO 24334 | $f_{l0.2}$ ≥ 1.0 kN/m<br>$f_{s0.2}$ ≥ 2.0 kN/m |
| Surface soundness | DIN EN 13329:2024-03<br>Annexe B | ≥ 1.25 N/mm² |
| **Essential Characteristics** | | |
| Reaction to fire* | EN 13501-1 | $C_{fl}$ - s1 |
| Slip resistance* | EN 13893 | DS |
| Electrostatic behavior* | EN 1815 | ≤ 2 kV |
| Formaldehyde* | EN 16516 | E1 |
| Formaldehyde-Emissions | ASTM D6007 | US EPA TSCA Title VI / CARB P 2 |
| Thermal conductivity* | EN 12667 | ≥ 0.075 W/mK |
| Thermal resistance* | EN 12667 | R ≤ 0.058 (m²K)/W |
| **Additional requirements** | | |
| Topical moisture resistance-surface swell | According to ISO 4760<br>with 30 ml water | - Qualitative recovery swell rating final average < 3<br>- Recovery swell final average ≤ 0,3 mm swelling |
| Topical moisture resistance-water thightness of the joints | According to ISO 4760<br>with 30 ml water | No water leakage through the joints after 24 h water exposure |
| VOC Emissions | ECO INSTITUT TESTED PRODUCT ID 1112 - 33058 - 001<br>BLUE ANGEL www.blauer-engel.de/uz176 • low emissions and pollutants • wood from sustainable forestry • no adverse impact on health in the living environment<br>GREENGUARD GOLD<br>ÉMISSIONS DANS L'AIR INTÉRIEUR A+ A+ A B C | |
| Sustainability | PEFC PEFC/04-31-0824 | |

**Disposal: Private: with normal household waste / bulky waste possible | Commercial: European Waste Catalog: Waste code 17 02 03**

We guarantee consistency of our decor colours under artificial light of type D50 (CIE D50, ANSI PH 2.30, ISO 3664) and D65 (CIE D65).

* basic attributes concerning health, safety and energy saving acc. to CE EN14041

Our technical data sheets are constantly updated and adapted to the state of the art.

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This edition replaces all previous versions and is valid at the time of writing.

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