# Technical Data Sheet

**Charm 4V**

**Class 33 according to DIN EN 13329**

CLASSEN®

**Profile:** megaloc aqua protect

| | |
|---|---|
| **Core board:** | **Classenboard HDF** |
| **Dimensions:** | **1285 x 192 x 8 mm** |
| **Quantity / Weight per box (PU):** | **8 pieces = 1.973 m² / approx. 14 kg** |
| **Quantity / Weight per pallet:** | **48 PU = 97.704 m² / approx. 672 kg** |

| Characteristics | Test Method | Requirements |
|---|---|---|
| **General Requirements** | | |
| Geometrical characteristics | EN 13329 | Length: ± 0.5 mm<br>Width: ± 0.1 mm |
| Thickness | EN 13329 | Ø ≤ 0.5 mm |
| Squareness | EN 13329 | ≤ 0.20 mm |
| Straightness | EN 13329 | ≤ 0.30 mm/m |
| Flatness of the elements | EN 13329 | **Width:**<br>concave ≤ 0.15%<br>convex ≤ 0.20 %<br>**Length:**<br>concave ≤ 0.50 %<br>convex ≤ 1.00 % |
| Openings | EN 13329 | Ø ≤ 0.15 mm<br>max. ≤ 0.20 mm |
| Height difference | EN 13329 | Ø ≤ 0.10 mm<br>max. ≤ 0.15 mm |
| Residual indentation | EN ISO 24343-1 | ≤ 0.05 mm |
| Light fastness | EN ISO 4892-2 | grey scale level ≥ 4 |
| **Classification Requirements** | | |
| Wear resistance | EN 13329 | ≥ 6000 cycles ( AC5 ) |
| Impact resistance | EN 13329 | small - diameter ball ≥ 70 mm<br>large - diameter ball ≥ 1000 mm |
| Castor chair resistance | EN 425 | no damage with type W<br>after 25 000 cycles |
| Thickness swelling | EN 13329 | ≤ 15 % |
| Locking strength | ISO 24334 | $F_{l0.2}$ ≥ 1.0 kN/m<br>$F_{s0.2}$ ≥ 2.0 kN/m |
| Movement of a furniture leg | EN 424 | no damage with type 0 |
| Resistance to staining | EN 438-2 | 5 (group 1 and 2), 4 ( group 3) |
| Surface soundness | EN 311 | ≥ 1.25 N/mm² |
| **Essential Characteristics** | | |
| Reaction to fire* (Cfl-s1) | EN 13501-1 | $C_{fl}$ - s1 |
| Slip resistance* (DS) | EN 13893 | DS |
| Electrostatic behavior* | EN 1815 | ≤ 2 kV |
| Formaldehyde* (E1 HCHO) | EN 16516 | E1 |
| Formaldehyde-Emissions | ASTM D6007 | US EPA TSCA Title VI / CARB P 2 |
| VOC Emissions (A+) | Décret no 2011-321 | A+ |
| Thermal conductivity* | EN 12667 | ≥ 0.75 W/mK |
| Thermal resistance* | EN 12667 | R ≤ 0.07 (m²K)/W |
| **Additional requirements** | | |
| VOC Emissions (eco INSTITUT TESTED PRODUCT ID 1112 - 33058 - 001) | according to eco institute specifications | eco Institute Label |

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- low emissions and pollutants
- wood from sustainable forestry
- no adverse impact on health in the living environment

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