

Technical Data Sheet

Diamond 4V

Class 33 according to DIN EN 13329



Profile:

Core board:

Dimensions:

Quantity / Weight per box (PU):

Quantity / Weight per pallet:

megaloc
aqua protect

Classenboard HDF

1285 x 192 x 10 mm

8 pieces = 1.973 m² / approx. 18 kg

48 PU = 94.704 m² / approx. 855 kg

Characteristics	Test Method	Requirements
General Requirements		
Geometrical characteristics	EN 13329	Length: ± 0.5 mm 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: concave ≤ 0.15% convex ≤ 0.20 % Length: concave ≤ 0.50 % convex ≤ 1.00 %
Openings	EN 13329	Ø ≤ 0.15 mm max. ≤ 0.20 mm
Height difference	EN 13329	Ø ≤ 0.10 mm 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 17368 EN 13329	small - diameter ball ≥ 70 mm large - diameter ball ≥ 1000 mm
Castor chair resistance	 EN 425	no damage with type W after 25 000 cycles
Thickness swelling	 ISO 24336	≤ 15 %
Locking strength	 ISO 24334	F _{0.2} ≥ 1.0 kN/m F _{50.2} ≥ 2.0 kN/m
Movement of a furniture leg	 EN ISO 16581	no damage with type 0
Resistance to staining	 EN 438-2	5 (group 1 and 2), 4 (group 3)
Surface soundness	EN 13329	≥ 1.25 N/mm ²
Essential Characteristics		
Reaction to fire*	 EN 13501-1	C _{s1} - 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
VOC Emissions	 Décret no 2011-321	A+
Thermal conductivity*	 EN 12667	≥ 0.075 W/mK
Thermal resistance*	 EN 12667	R ≤ 0.07 (m ² K)/W
Additional requirements		
Topical moisture resistance-surface swell	ISO 4760	- Qualitative recovery swell rating final average < 3 - Recovery swell final average ≤ 0.3 mm swelling
Topical moisture resistance-water tightness of the joints	ISO 4760	No water leakage through the joints after 24 hours exposure to water
VOC Emissions	  www.blauer-engel.de/uz176 • 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  EN 14041

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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This document is valid without signature.