

Technical Data Sheet

Challenge 4V

Class 32 according to DIN EN 13329



CLASSEN®

Profile:

Core board:
Dimensions:
Quantity / Weight per box (PU):
Quantity / Weight per pallet:


megaloc

aqua protect

Classenboard HDF
1285 x 280 x 8 mm
7 pieces = 2.518 m² / approx. 18 kg
45 PU = 113.310 m² / approx. 810 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	≥ 4000 cycles (AC4)
Impact resistance 	EN 17368 EN 13329	small - diameter ball ≥ 35 mm large - diameter ball ≥ 750 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 _{10,2} ≥ 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 _s - 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	≥ 0.75 W/mK
Thermal resistance* 	EN 12667	R ≤ 0.06 (m ² K)/W
Additional requirements		
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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