

Technical Data Sheet

XXL Horizon

Class 32 according to DIN EN 13329:2024-03
















CLASSEN

Version: 09/2024

Profile: **megaloc**
aqua protect

Core board: Classenboard HDF
Dimensions: 2174 x 241 x 8 mm
Quantity / Weight per box (PU): 6 pieces = 3.143 m² / approx. 22.38 kg
Quantity / Weight per pallet: 42 PU = 132.006 m² / approx. 941 kg

Characteristics	Test Method	Requirements
General Requirements		
Geometrical characteristics	EN 17539	Length: ± 0.5 mm 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 % Length: concave ≤ 0.50 %, convex ≤ 1.00 %
Openings	EN 17539	∅ ≤ 0.15 mm max. ≤ 0.20 mm
Height difference	EN 17539	∅ ≤ 0.10 mm max. ≤ 0.15 mm
Light fastness 	EN ISO 489-2:2013	Grey scale level ≥ 4
Residual indentation 	EN ISO 24343-1	≤ 0.05 mm
Classification Requirements		
Wear resistance 	ISO 24338 Method A	> 4,000 Zyklen (AC4)
Impact resistance 	EN 17368 DIN EN 13329:2024-03 Annexe C	Small-diameter ball ≥ 35 mm 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 after 15,000 cycles
Thickness swelling 	ISO 24336	≤ 18 %
Locking strength 	ISO 24334	f _{10,2} ≥ 1.0 kN/m f _{s0,2} ≥ 2.0 kN/m
Surface soundness	DIN EN 13329:2024-03 Annexe B	≥ 1.25 N/mm ²
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 ≤ 0.06 (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	

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** EN 14041

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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