













Technical Data Sheet

Laminated Flooring Essential
Class 31 according to DIN EN 13329



Core board: Classenboard HDF
Dimensions: 1286 x 194 x 7

Characteristics	Test Method	Requirements
General Requirements		
Geometrical characteristics	EN 13329	1286 x 194 x 7
Squareness	EN 13329	≤ 0.20 mm
Straightness	EN 13329	≤ 0.30 mm
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 20105-A02	grey scale level ≥ 4
Classification Requirements		
Wear resistance	 EN 13329	IP ≥ 2000 cycles (AC3)
Castor chair resistance	 EN 425	no damage with type W after 25 000 cycles
Impact resistance	 EN 13329	small - diameter ball ≥ 8 N large - diameter ball ≥ 500 mm
Thickness swelling	 EN 13329	≤ 18 %
Movement of a furniture leg	 EN 424	no damage with type 0
Resistance to staining	 EN 438	5 (group 1 and 2), 4 (group 3)
Surface soundness	EN 311	≥ 1.0 N/mm ²
Essential Characteristics		
Reaction to fire*	 EN ISO 11925-2 EN ISO 9239-1	Cfl - s1
Slip resistance*	 EN 13893	DS
Formaldehyde*	 EN 717-1	E1
Thermal resistance*	 EN 12667	R ≤ 0.06 (m ² K)/W

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.



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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