

# CLASSE<sup>N</sup>

## LAMINATE FLOOR



52485

MADE IN GERMANY

صنع في ألمانيا



Reaction to Fire



Formaldehyde



Slip Resistance



Thermal Resistance



MADE IN GERMANY





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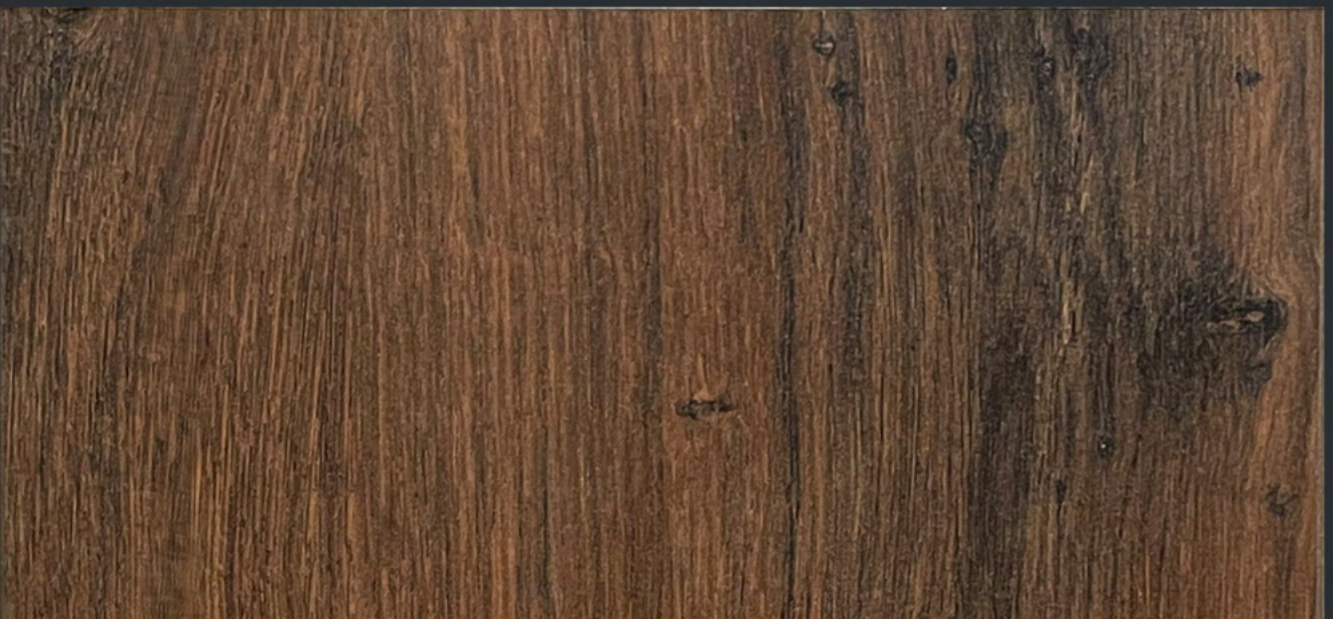
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## Technical Specifications

Laminated Flooring 731-4

Class 31 according to DIN EN 13329

Core board:

Classenboard HDF



Characteristics	Test Method	Requirements
<b>General Requirements</b>		
Geometrical characteristics	DIN EN 13329 Annex A	Length: $\pm 0.5\text{mm}$ Width: $\pm 0.1\text{mm}$
Thickness	DIN EN 13329 Annex A	$\varnothing \leq 0,5\text{mm}$
Squareness	DIN EN 13329 Annex A	$\leq 0.20\text{ mm}$
Straightness	DIN EN 13329 Annex A	$\leq 0.30\text{ mm/m}$
Flatness of the elements	DIN EN 13329 Annex A	<b>Width:</b> concave $\leq 0.15\%$ convex $\leq 0.20\%$ <b>Length:</b> concave $\leq 0.50\%$ convex $\leq 1.00\%$
Openings	DIN EN 13329 Annex B	$\varnothing \leq 0.15\text{ mm}$ max. $\leq 0.20\text{ mm}$
Height difference	DIN EN 13329 Annex B	$\varnothing \leq 0.10\text{ mm}$ max. $\leq 0.15\text{ mm}$
Residual indentation	EN ISO 24343-1 : 2012	$\leq 0.05\text{ mm}$
Light fastness	EN ISO 4892-2:2006/A1:2009	grey scale level $\geq 4$
<b>Classification Requirements</b>		
Wear resistance	EN 13329	IP $\geq 2000$ cycles ( AC3 )
Impact resistance	EN 13329	small - diameter ball $\geq 8\text{ N}$ large - diameter ball $\geq 500\text{ mm}$
Castor chair resistance	EN 425	no damage with type W after 25 000 cycles
Thickness swelling	EN 13329	$\leq 18\%$
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	$\geq 1.0\text{ N/mm}^2$
<b>Essential Characteristics</b>		
Reaction to fire*	EN 13501-1	Cfl - s1
Slip resistance*	EN 13893	DS
Formaldehyde*	EN 717-1	E1
Thermal resistance*	EN 12667	$R \leq 0.06\text{ (m}^2\text{K)/W}$

### Advantages



Wear Resistance



Impact Resistance



Castor Chair Resistance



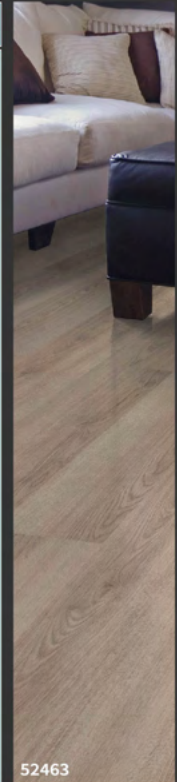
Thickness Swelling



Movement of a Furniture Leg



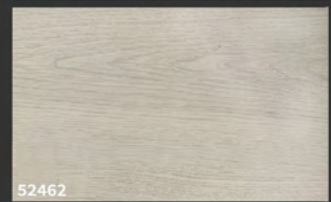
Resistance to Staining



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