

WICANDERS

wood Natural XL



HIGH QUALITY PROTECTIVE VARNISH WITH
EMBOSSED IN REGISTER

DIGITAL PRINTING IMAGE ON CORK

CORK INLAY

NATURAL FIBER CORE

INTEGRATED CORK UNDERLAY

Technical Data Sheet	Standard	Unit / Requirement	Value
Dimension (LxWxT)	Wood Wood XL Stone	mm	1220 x 185 x 9.0 1830 x 185 x 10.0 905 x 295 x 9.0
Mass per unit	Wood Wood XL Stone	Kg / m² lb / ft²	7.1 1.45 7.1 1.45 7.1 1.45
Packaging (box / pallet)	Wood Wood XL Stone	m² ft²	1.806 79.464 24.29 855.34 2.032 89.408 21.87 962.38 2.136 76.89 22.99 827.6
Level of use Domestic	ISO 10874	Class	23
Level of use Commercial	ISO 10874	Class	33

General properties - EN 16511

Thickness, t -	ISO 24337	$\Delta t_{avg} \leq 0,50$ mm, relative to nominal value / $t_{max} - t_{min} \leq 0,50$ mm	Complies
Lenght, l	ISO 24337	$\leq 1\,500$ mm: $\Delta l \leq 0,5$ mm / $> 1\,500$ mm: $\Delta l \leq 0,3$ mm/m	Complies
Width, w	ISO 24337	$\Delta w_{avg} \leq 0,10$ mm, relative to nominal value / $w_{max} - w_{min} \leq 0,20$ mm	Complies
Squareness, q	ISO 24337	< 0.20	Complies
Straightness, s	ISO 24337	≤ 0.30	Complies
Openings, o	ISO 24337	$max \leq 0.20$ mm	Complies
Height difference, h	ISO 24337	$h_{max} \leq 0.15$ mm	Complies
Flatness of the panel (Length - concave / convex)	ISO 24337	concave ≤ 0.50 % / convex ≤ 1.0 %	Complies
Flatness of the panel (Width - concave/convex)	ISO 24337	concave ≤ 0.15 % / convex ≤ 0.20 %	Complies

General properties - EN 16511

Wear resistance IP	EN 15468, procedure B	$\geq 5\,000$ cycles	Complies
Impact resistance [mm] (big ball)	EN 13329:2006+A1:2008, Annex F	$\geq 1\,600$ mm	Complies
Castor chair resistance	EN 425	25 000 cycles	Complies
Resistance to staining	EN 438-2	Groups 1 and 2: grade 5 Group 3: grade 4	Complies
Residual indentation	EN ISO 24343-1	$\leq 0,2$ mm	Complies
Swelling	ISO 24336	≤ 18 %	Complies
Locking strength	ISO 24334	kN/m Long side ≥ 1.0 Short side ≥ 1.5	Complies
Dimensional stability due to variation of temperature	EN ISO 23999	≤ 0.15 %	$C_{IT} \leq 1$
Effect of furniture leg	ISO 16581	No Visible Damage with foot type 0	Complies

Safety properties - EN 14041

Fire resistance	EN ISO 11925-2 + EN ISO 9239-1 : Class EN 13501-1	Class	Bfl-s1
Slip Classification	EN 13893	Class	DS
Formaldehyde emission	EN 717-1	Class	E1
Content pentachlorophenol (PCP)	EN 14041	mg/kg	Undetectable

Additional properties

Impact sound reduction	EN ISO 10140 ISO 717-2	dB (ΔL_w)	Up to 17
Walking noise	EN 16205	dB (ΔL_w)	68.2
Thermal conductivity	EN 12667	W/m.K	0.150
Thermal resistance	EN 12667	m2.K/W	0.099

ASTM Standards

Airborne sound transmission loss	ASTM E90 /ASTM E413	STC (dB)	76
Impact sound transmission	ASTM E492 /ASTM E989	IIC (dB)	69
Impact sound transmission	ASTM E2179	ΔIIC	21
Critical radiant flux)	ASTM E648	W/cm²	0.4
Smoke density	ASTM E662	≤ 450	Complies
Thermal resistance (R-value)	ASTM C177	ft².h.r. °F/Btu	0.562
Thermal resistance (λ-value)	ASTM C177	Btu/hr.ft. °F	0.086

NOTE:
Nota: (a) Grade 5 - No change / Grade 4 - Slight change / Grade 3 - Moderate change / Grade 2 - Considerable change / Grade 1 - Strong change
(b) Group 3: Grade 4