

WICANDERS

cork Essence



PROTECTIVE SURFACE |

GENUINE CORK VENEER |

AGGLOMERATED CORK |

NATURAL FIBER CORE |

INTEGRATED CORK UNDERLAY |

Technical Data Sheet	Standard	Unit	Value
Dimension (LxWxT)	-	mm	905x295x10.5
Mass per unit	-	Kg / m² lb / ft²	7.68 1.57
Packaging (box / pallet)	-	m² ft²	2.14 111,07 23.0 1195
Level of use Domestic	ISO 10874	Class	23
Level of use Commercial	ISO 10874	Class	33

General properties - EN 12104 - EN 20326

Thickness, t -	EN ISO 24346	± 0.25	Complies
Length, l	EN ISO 24342	+/- 0.5%	Complies
Width, w	EN ISO 24342	+/- 0.10%	Complies
Squareness, q	EN ISO 24342	< 0.2	Complies
Straightness, s	EN ISO 24342	≤ 0.30	Complies
Openings, o	ISO 24337	max ≤ 0.20 mm	Complies
Height difference, h	ISO 24337	hmax ≤ 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
Dimensional Variation caused by changes in atmospheric humidity	ISO 20326 (Annex C)	≤ 0.25 %	Complies

Classification properties - EN 12104 - EN 20326

Wear resistance IP	EN 14354 (Annex D)	≥ 5000 cycles	TBD
Castor chair resistance	ISO 4918	25 000 cycles	TBD
Simulated movement of a furniture leg	EN ISO 16581	No damage shall be visible after testing with a foot type 2	Complies
Locking strength	ISO 24334	Long side >1.0 kN/m Short side ≤2.0 kN/m	TBD
Swelling	ISO 24336	≤ 15%	Complies

Safety properties - EN 14041

Fire resistance	EN ISO 11925-2 + EN ISO 9239-1 : Class EN 13501-1	Class	C _{fl} -s1
Slip Classification+A55	EN 13893	Class	DS
Formaldehyde emission	EN 717-1	Class	E1
Content pentachlorophenol (PCP)	EN 14041 Annex B	mg/kg	Undetectable

Additional properties

Impact sound reduction	EN ISO 10140 ISO 717-2	dB (Δ L _w)	Up to 19
Walking noise	IHD-W431	Sone	13.2 51.6
Thermal resistance (Thermal conductivity)	EN 12667	W/m.K	0.15
Thermal resistance	EN 12667	m2.K/W	0.099

ASTM Standards

Airborne sound transmission loss	ASTM E90 /ASTM E413	STC (dB)	86
Impact sound transmission	ASTM E492 /ASTM E989	IIC (dB)	69
Impact sound transmission	ASTM E2179	ΔIIC	21
Thermal resistance (R-value)	ASTM C518	ft².hr.°F/Btu	0.562
Thermal conductivity (λ-value)	ASTM C518	Btu/hr·ft·°F	0.086