

Technical Data Sheet

CORTEX SPC ELEMENT			
	Standard	Unit / Requirements	Value
Dimension (LxWxT)	--	mm	1225x190x5,2
Mass per unit	--	Kgs / m ²	9,4
Packaging (box / pallet)	--	M ²	1,629 / 71,676
Level of use Domestic	ISO 10874	Class	23
Level of use Commercial	ISO 10874	Class	32
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
Length, l	ISO 24337	≤ 1500 mm: $\Delta l \leq 0,5$ mm / > 1500 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	$max \leq 0,20$ mm	Complies
Straightness, s	ISO 24337	$max \leq 0,30$ mm/m	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 $\leq 0,50$ %, / convex $\leq 1,0$ %	Complies
Flatness of the panel (Width - concave / convex)	ISO 24337	concave $\leq 0,15$ %, / convex $\leq 0,20$ %	Complies
Classification Properties - EN 16511			
Wear resistance IP	EN 15468, procedure B	≥ 3000 cycles	Complies
Impact resistance [mm] (big ball)	EN 13329:2006+A1:2008, Annex F	≥ 1200 mm	Complies
Castor chair resistance	EN 425	25 000 cycles	Complies
Resistance to staining	EN 438-2	Groups 1 and 2; grade 4 Group 3; grade 3	Complies
Residual Indentation	EN ISO 24343-1	$\leq 0,2$ mm	Complies
Swelling	ISO 24336	≤ 18	Complies
Safety Properties - EN 14041			
Fire resistance	EN ISO 11925-2 + EN ISO 9239-1: Class EN 13501-1	Class	Bfl-s2
Slip classification	EN 13893	Class	DS
Formaldehyde emission	EN 717-1	Class	E1
Content pentachlorophenol (PCP)	EN 12667 / ISO 1957	mg/kg	Undetectable
Optional Properties			
Impact sound reduction	EN ISO 10140	dB (ΔL_w)	17 dB
Walking noise	IHD-W431	dB %	tests on going
Thermal resistance (Thermal conductivity)	EN ISO 10456	m ² K/W	tests on going
ASTM Standards			
Residual indentation	ASTM F1914	avg. 0.007 in. (0.18 mm)	Complies
Static load limit	ASTM F970 / F387	max loading: 250 lb/in ² (1.72 MPa) max residual indent: 0.005 in. (0.13 mm)	Complies
Squareness	ASTM F2055	$max 0.010$ in. (0.25 mm)	Complies
Dimensional Stability	ASTM F2199 / ISO 23999	< 0.25 %	Complies
Thickness (with back layer)	ASTM F387	as specified ± 0.008 in. (0.20 mm) min 0.080 in. (2.0 mm)	Complies
Airborne sound transmission loss	ASTM E90 / ASTM E413	STC (dB)	tests on going
Impact sound transmission	ASTM E492 / ASTM E989	IIC (dB)	tests on going
Impact sound transmission	ASTM E2179	ΔIIC	tests on going