

Technical Data Sheet

	Standard	Unit	Value
Dimension (LxWxT)	-	mm	1840x220x8
Mass per unit	-	kg/m ²	11,6
Packaging (box / pallet)	-	m ²	2,429 / 77,728
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
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	≥ 5000 cycles	Complies
Impact resistance [mm] (big ball)	EN 13329:2006 + A1:2008, Annex F	≥ 1600 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
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 Annex B"	mg/kg	Undetectable
Additional properties			
Impact sound reduction	EN ISO 10140	dB (ΔL_w)	*
Walking noise	IHD-W431	"dB %"	*
Thermal resistance (Thermal conductivity)	EN ISO 10456	m ² ·K/W	*
Slip Resistance	DIN 51130	-	R9
ASTM Standards			
Residual indentation	ASTM F1914	avg. 0.007 in. (0.18 mm)	*
Static load limit	ASTM F970 / F387	"max loading: 250 lb/in.2 (1.72 MPa) max residual indent: 0.005 in. (0.13 mm)"	*
Squareness	ASTM F2055	max 0.010 in. (0.25 mm)	*
Dimensional Stability	ASTM F2199 / ISO 23999	0.25 % / lineal ft (305 mm) max	*
Thickness (with back layer)	ASTM F387	"as specified ± 0.008 in. (0.20 mm) min 0.080 in. (2.0 mm)"	*
Airborne sound transmission loss	ASTM E90 / ASTM E413	STC (dB)	*
Impact sound transmission	ASTM E492 / ASTM E989	IIC (dB)	*
Impact sound transmission	ASTM E2179	ΔIIC	*

*test on going

(a) Grade 5 - No change / Grade 4 - Slight change / Grade 3 - Moderate change / Grade 2 - Considerable change / Grade 1 - Strong change