

Technical Data Sheet

Low thickness floating

			0,55mm Wear Layer 1225 x 145 x 6mm 48 7/32 x 5 11/16 x 1/4" 1225 x 195 x 6mm 48 7/32 x 7 11/16 x 1/4" 605 x 145 x 6mm 23 13/16 x 5 11/16 x 1/4"
Level of use Domestic	ISO 10874	Class	
Level of use Commercial	ISO 10874	Class	
	Standard	Unit	Specification

General properties - ISO 10582 + EN 14085 + EN 14041

Dimensions: Width: Length:	ISO 24342	mm	+/- 0,10% up to max. 0,5 max. 2,0
Overall thickness	ISO 24346	mm	nominal +/- 0,25
Squareness	ISO 24342	mm	≤ 0,50
Straightness measured at the surface layer	ISO 24342	mm	≤ 0,30
Mass per unit area	ISO 23997	g/m ²	Nominal +13% / -10%
Dimensional stability (humidity)	EN 14085 Annex C/ EN 669	mm	≤ 5
Dimensional stability and curling after exposure to heat	ISO 23999	%	≤ 0,25
Openings between panels	EN 14085 (Annex B)	mm	≤ 0,20
Height difference between panels	EN 14085 (Annex B)	mm	≤ 0,20
Flatness of the panel (Length - concave / convex)	EN 14085 (Annex A)	%	≤ 0,50 / ≤ 1,0
Flatness of the panel (Width - concave / convex)	EN 14085 (Annex A)	%	≤ 0,10 / ≤ 0,15
Residual indentation	ISO 24343-1	mm	≤ 0,1
Colour fastness	ISO 105-BO2	Blue wool scale	≥ 6

Classification properties - ISO 10582 + EN 14085

Wear layer thickness (wear layer binder content type 1)	ISO 24340	mm	0,55
Thickness swelling	ISO 24336	%	≤ 15
Castor chair	EN 425	Visual effect - after 25.000 cycles	No disturbance to the surface other than a slight change in appearance and no delamination shall occur
Simulated movement of a furniture leg	EN 424	Visual effect	No damage shall be visible after testing with a type 0 foot

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Safety properties - EN14041

Fire resistance	ISO 11925-2/ISO 9239-1 (classification according to EN 13501-1)	Class	B _{fl-s1}
Slip resistance	EN13893	Class	DS
Formaldehyde emission	DIN EN 717-1	Class	E1
Content pentachlorophenol (PCP)	EN 14041 Annex B	%	Undetectable

Additional properties

Stains resistance	ISO 26987 (a)	Grade	Grade 0 (b) Iodine grade 2 (b)
Thermal resistance	EN 12667	(m ² K)/W	0,05
Impact sound reduction	ISO 140-8	dB (ΔL _w)	16 dB
Walking sound	IHD -W431	dB (A)	Reduction improvement 11,1dB Difference of loudness 51,1%
Swelling of the joints (Moisture Exposure)	IHD 423	mm	No visible effect

ASTM Standards

Airborne sound Transmission Loss	ASTM E90 /ASTM E413	STC (dB)	62 dB
Impact sound transmission	ASTM E492 /ASTM E989	IIC (dB)	61 dB
Impact sound transmission	ASTM E2179	ΔIIC	16 dB
Smoke density	ASTM662	KW/m ²	Flaming & non flaming ≤ 450
Radiant panel (critical radiant flux)	ASTM E648	(W/cm ²)	≥ 0,45 W/cm ² Exceeds, Class I
Thermal resistance	ASTM C177	R-value (m ² K)/W	0,0432
Residual indentation	ASTM F1914	%	0,4%
Static load limit	ASTM F970	in or mm	≤ 0,005 in (load of 250 lb) ≤ 0,127 mm (load of 113.4 Kg)
Ignition characteristics of finished textile floor covering systems	ASTM D2859	-	Meets the criteria