

# Technical Data Sheet

**Low thickness floating**

			<b>0,55mm Wear Layer</b> <b>1225 x 145 x 6mm   48 7/32 x 5 11/16 x 1/4"</b> <b>1225 x 195 x 6mm   48 7/32 x 7 11/16 x 1/4"</b> <b>605 x 145 x 6mm   23 13/16 x 5 11/16 x 1/4"</b>
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 <sup>2</sup>	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 <sub>fl-s1</sub>
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 <sup>2</sup> K)/W	0,05
Impact sound reduction	ISO 140-8	dB (ΔL <sub>w</sub> )	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 <sup>2</sup>	Flaming & non flaming ≤ 450
Radiant panel (critical radiant flux)	ASTM E648	(W/cm <sup>2</sup> )	≥ 0,45 W/cm <sup>2</sup> Exceeds, Class I
Thermal resistance	ASTM C177	R-value (m <sup>2</sup> 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



Greenguard Certification helps the identification of interior products and materials that have low chemical emissions, improving the quality of the air in which the products are used. It promotes global sustainability, environmental health, and safety.



An Environmental Product Declaration is a verified document that reports environmental data of products based on life cycle assessment and other relevant information in accordance with the international standard ISO 14025.



TÜV-PROFICERT-product Interior brand is a voluntary, independent label for VOC-emission and quality of floorings. The results comply with the emission thresholds of AgBB, Belgian VOC regulation, Finnish M1 classification, BREEAM Exemplary Level, LEED v4 (outside North America), RAL-UZ 120 and Austrian Eco Label (Guideline UZ 56).



Global GreenTagCert™ is an independent certification and rating scheme for green products, recognized by the Green Building Councils of Australia and New Zealand. This certification also allows the products to be listed in the Ecospecifier Global eco-products.



As of January 2012, France has adopted regulations that limit total VOC emissions of building products. Manufacturers, selling their products in France must obtain a classification ranging from A+ (very low emissions) to C (high emissions). The declared goal is to improve indoor air quality in private/commercial buildings.



- (a) The following products were tested: disinfectant,  $C_2H_5OH$ ,  $NH_4OH$ , citric acid, iodine, petroleum, spirit
- (b) Grade 0 - Unchanged / Grade 1 - Very little change / Grade 2 - Little change / Grade 3 - Change / Grade 4 - Strong change

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