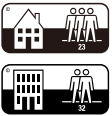


Technical Data

Symbol	Item	Test Method	Requireme (Test Standard)	Test Result
	Classification (Level of use)	EN ISO 10582	Domestic - Heavy (Class 23) Wear Layer (Nominal): $\geq 0.30\text{mm}$ Overall Thickness (Nominal): $\geq 1.5\text{mm}$	Pass (Nominal)
			Commercial - Very Heavy (Class 32) Wear Layer (Nominal): $\geq 0.40\text{mm}$ Overall Thickness (Nominal): $\geq 2.0\text{mm}$	Pass (Nominal)
	Side length Width	ISO 24342	Deviation $\leq 0.10\%$ of up to 0.5 mm	Average: 1500mm
			Deviation $\leq 0.10\%$ of up to 0.5 mm maximum	Average: 228.13mm
	Squareness	ISO 24342	Side length $\leq 400\text{mm}$: $\leq 0.25\text{ mm}$; Side length $> 400\text{mm}$: $\leq 0.35\text{ mm}$;	Deviation range: X Direction: $-0.05 \sim 0.00\text{mm}$ Y Direction: $-0.05 \sim 0.05\text{mm}$
	Straightness	ISO 24342	Side length $> 400\text{ mm}$ (intended for heat welding): $\leq 0.50\text{mm}$;	Deviation range: X Direction: $0.00 \sim +0.05\text{mm}$ Y Direction: $0.00 \sim +0.05\text{mm}$
	Overall thickness	ISO 24346	Specimen: $150 \times 150 \times 6.5\text{mm}$, 5pcs Mass applied: $0.20 \pm 0.02\text{kg}$ Diameter of upper plate: $25.3 \pm 0.1\text{mm}$ Load time: 5s	Ave. : 6.63mm Max.: 6.68mm Min. : 6.54mm
	Thickness of Wear Layer	ISO 24340	Average value: Nominal thickness $+13\%/-10\%$ ($0.45\text{mm} \sim 0.56\text{mm}$); Individual results: $>$ average value -0.05mm or -15% , whichever is greater ($> 0.43\text{mm}$)	Ave. : 0.48mm Max.: 0.50mm Min. : 0.45mm
	Wear resistance	EN 13329	Type of wheel: CS-0 Load: $5.4 \pm 0.2\text{N}$ / wheel Abrasive paper: S-42	Excellent Average abrasion cycles: 9600 revolutions
	Reaction to Fire & Smoke Production	EN 13501-1	Bfl-s1 Classification Critical Flux: $\geq 8.0\text{kW/m}$ Flame Spread: $\leq 150\text{mm}$ within 20s Smoke value as $\% \times \text{min}$: ≤ 750	Bfl-s1
	Formaldehyde Emission	EN 717-1	Method Detection Limit: 0.080 mg/m^3	Not Detected Formaldehyde free
	Mass per unit area	ISO 23997	Nominal value $+13\%/-10\%$	Average: 10590 g/m^2 Deviation from nominal value: 0%
	Dimensional stability	ISO 23999	Tiles/planks intended for dry-joint laying and glued installation: $\leq 0.25 \%$; Tiles/planks intended for loose lay or floating installation: $ 0.15 \%$.	Average: X Direction: -0.05% Y Direction: 0.00%
	Curling	ISO 23999	Tiles/planks intended for dry-joint laying and glued installation: $\leq 2 \text{mm}$; Tiles/planks intended for loose lay or floating installation: $\leq 1 \text{mm}$.	Average: Curling initial: 0.5mm Curling final: 0.0mm

Technical Data

Symbol	Item	Test Method	Requireme (Test Standard)	Test Result
	Residual indentation	ISO 24343-1	$\leq 0.1\text{mm}$	Average: 0.04mm
	Effect Of A Castor Chair	ISO 4918	(only for $\geq$ class32) After 25,000 cycles, no delamination shall occur. No disturbance to the surface other than a slight change in appearance.	No visible damage
	Colour Fastness To Light	ISO 105-BO2	6 minimum	Comparison upto blue wool reference 6; Grade (B.W.S): Better than 6
	Flatness	ISO 10582	Length flatness: concave $\leq 0.50\%$ convex $\leq 1.00\%$	Length flatness(X): no concave convex 0.02%
			Width flatness:	Width flatness(Y): concave 0.10% convex 0.05%
	Openings	ISO 10582	Ave.: $\leq 0.15\text{mm}$ Individual values: $\leq 0.20\text{mm}$	Ave.: 0.00mm Max.: 0.05mm
	Height Difference	ISO 10582	Ave.: $\leq 0.10\text{mm}$ Individual values: $\leq 0.15\text{mm}$	Ave.: 0.05mm Max.: 0.10mm
	Locking Strength	ISO 10582	Only for Commercial use: Class 31,32,33: $\geq 1.5\text{ kN/m}$; Class 34: $\geq 2.0\text{ kN/m}$	Average: Long side(X): 4.8 kN/m Short side(Y): 4.1 kN/m
	Binder Content (Composition Analysis)*	ISO 10582	100%	76% PVC 24% DOTP&Stearic acid salt (Stearic acid salt $< 1\%$)
	Slip resistance	AS 4586	Oil-wet ramp test	R10 Class Critical angle of inclination: 15.2°
	Chemical Resistance	ASTM F925-13	No more than a slight change in surface dulling, surface attack or staining	Rating 0: No change
	Thermal Conductivity	EN 14041	N/A	0.098 W/(m·K) at 25 °C
	Airborne sound transmission loss	ASTM E90-09 ASTM E413-16	N/A	STC= 73dB IIC = 75dB
	Airborne sound transmission loss	ASTM E492-09 ASTM E989-18	N/A	