



2.5mm/0.50mm Glue down Product Technical Data

Subject	Main Parameter (Result)	Reference Standard EN ISO or ASTM
Name	Luxury Vinyl Tile /Plank	
Type of flooring	Heterogeneous PVC floor covering	ISO 10582
Classification	23/33/42	ISO 10874
Classification	Class III Type B	ASTM F1700
Size	Various	EN ISO 24342
Thickness	2.5 +0.13/-0.10mm	refer to: EN ISO 24346
Wear layer thickness	20 mil (0.50 mm)(+13%-0%)	EN ISO 24340
Surface treatment	PU coating	
Warranty ¹	15 Years Lifetime	Commercial Residential
Structure	TOP0.5+FILM0.07+MD0.8+BD1.3mm	
Wear layer density	1.26-1.30 g/cm ³	ISO23996
Squareness, mm	≤0. 10 mm	refer to: EN ISO 24342
Straightness, mm	≤0. 10 mm	refer to: EN ISO 24342
Bevelled edges	Micro	
Dimensional stability	Pass-0.004"/lin.ft	ASTM F2199
Dimensional stability, 80℃×6h	≤ ±0.10 %	refer to: ISO 23999
Curl, 80℃×6h	≤1.0 mm	ISO 23999
Total mass per unit area	3960 g/m ² (+10 %/-10 %)	EN ISO 23997
Residual indentation(average)	≤0.05 mm	EN ISO 24343-1
Staining and resistance to chemicals	Class 0	ISO 26987
Staining resistance	Pass	ASTM F925
Light fastness	Pass ΔE =5.0	ASTM F1515
Color fastness	≥Grade 6	ISO 105-B02
Ply Adhesion	≥60N/5cm	ISO 24345
Reaction to fire	Bfl-s1	EN 13501-1
Reaction to fire	Class 1	ASTM E648-06
Smoke density	Pass (< 450)	ASTM E662-06
Flammability test	Pass	FF 1-70; Federal Approval
Slip resistance ²	Pass (Dry 0.89)	ASTM D2047
Acoustic impact noise reduction	ΔIIC = 4 dB	ASTM E2179-09
	IIC = 44 dB (6" Concrete Slab w/Drop Ceiling)	ASTM E492-09
	IIC = 71 dB (6" Concrete Slab w/Drop Ceiling +Quiet Choice)	
Static load	2,000 psi	ASTM F970
Flexibility	Pass	ASTM F137
Adhesive	Acrylic , DrySet, Epoxy, Pressure Sensitive	
Electrical resistance (Anti-static Resistance)	≤ I 2.0kV I	EN 1815
Air Comfort Gold		EN 16516
Floor score	pass	California Section 01350

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Environmental	FloorScore® SCS-EC10.3-2014 v4.0		Indoor air quality certified; Compliant low emitting VOC emissions.
	NSF / ANSI 332		Sustainability Assessment for Resilient Floor Coverings;
	ISO 14001 / ISO 9001		Conformant product Manufactured to quality and environment management systems standards
Effect of Caster Chair	≥25000		ISO 4918
Slip resistance	general embossing: Dry >45/Wet >35; SI embossing: Dry >40/Wet >30; R9 DS		DIN 51130
Abrasion resistance	Group T		EN 13893
Abrasion resistance	Pass (124,000 Cycles)		EN 660-2
Toxicity	No toxic, not contain heavy metal		ASTM D3884
Formaldehyde	E1		EN71-3
Recycling	Suitable		EN717-1
phthalate free	yes		
Features			
Using area			
Others			

¹ Subject to terms. Commercial warranty covers light commercial use only

² Slip resistance is measured on freestanding ex-factory product. Slip resistance can be affected by many factors, including but not limited to; product installation and underlayment, surface contamination, use, wear and how the product is maintained. Textural variation along the surface of the product can affect nominal values

