



PVC-free Flooring Technical Data

Subject	Main Parameter	(Result)	Reference Standard EN ISO or ASTM
Name	Nano-Modified PET Flooring		
Type of flooring	Heterogeneous PVC-free	floor covering	ISO 10582
Classification	23/31		ISO 10874
Size	7×48"		EN ISO 24342
Thickness	2.5±0.10 mm		refer to: EN ISO 24346
Wear layer thickness	6-12 mil (0.15-0.30 mm)+10 %/-10 %		EN ISO 24340
Surface treatment	PU coating		
Warranty¹	TOP0.15mm 10Years / TOP0.3mm 15 Years		Commercial
	Lifetime		Residential
Squareness, mm	≤0.10mm		refer to : EN ISO 24342
Straightness, mm	≤0.10mm		refer to : EN ISO 24342
Wear layer density	1.30 g/cm³		ISO 23996
Dimensional stability	Pass		ISO 23999
Dimensional stability, 80°C×6h	X Direction≤0.10% Y Direction≤0.10%		refer to : ISO 23999
Curl, 80°C×6h	≤1.0mm		ISO 23999
Total mass per unit area *	TOP0.15	4.37 kg/m2 (+10 %/-10 %)	EN ISO 23997
	TOP0.15	---- kg/m2 (+10 %/-10 %)	
Residual indentation(average)	≤0.10 mm		EN ISO 24343-1
Staining and resistance to chemicals	Class 0		ISO 26987
Staining resistance	Pass		ASTM F925
Light fastness	Pass		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	-----		ASTM E662-06
Flammability test	Pass		FF 1-70; Federal Approval
Slip resistance	R9		DIN 51130
	DS		EN 13893
Heat fastness	Pass		ASTM F1514
Adhesive	Acrylic , DrySet, Epoxy, Pressure Sensitive		
Surface treatment	≥9N UV coating10-12g		
Environmental	ISO 14001 / ISO 9001		Manufactured to quality and environment management systems standards
Abrasion resistance	Group T		EN 660-2
Toxicity	No toxic, not contain heavy metal		EN71-3
Formaldehyde	E1		EN717-1

Recycling

Suitable

phthalate free

yes

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

