

STANDARD		Code :	SPC-TC.	
		Issue time:	01	
SPC FINISHED PRODUCT		Number of pages:	01	
		Date issued:	20/4/2021	
CHARACTERISTICS	METHOD	STANDARD/TOLERANCE		
PRODUCT/STRUCTURE STRUCTURE				
Dimensions/Dimensions	Long/Length	ISO24337	±0.50 mm	
	Width/Width	ISO24337	±0.05 mm	
Thickness of wear layer/wear layer thickness		ASTM F410	-0.1/+0.13mm	
Total thickness/ Total thickness		ASTM F387	±0.20 mm	
Squareness/Squareness		ISO24337/ASTM F2055	AVE≤0.10 MAX≤0.15	
Straightness/Straightness		Internal	≤0.2 mm	
Gap when gluing/Gapping		ISO24337	AVE≤0.10 MAX≤0.2	
Height difference/Height difference		ISO24337	AVE≤0.10 MAX≤0.15	
Product weight (average)/Average weight (gram/m2)		ISO 23997	Nominal value +13%/-10%	
Density/Density (g/cm3)	Wear layer 0.15	ASTM D792	1.98-2.15	
	Wear layer 0.3			
	Wear layer 0.5			
PRODUCT PERFORMANCE/PHYSICAL CHARACTERISTICS				
UV/UV coating adhesion		ASTM D3359	≥4B	
Stain resistance Stain resistance	Permanentmarker	Internal	Minimum	
	MustardMustard			1
	Shoe polishShoe polish			0
	Iodine			1
Chemical resistance Chemical resistance		ASTM F925	index0.1 (No more than trivial changes on the surface, color fading or not being attached by chemical substances)	
Peeling/Peel test (N) MD/CD	Wear layer 0.15	ISO 24345	≥ 52 N/50mm (wear layer < 0.3 mm) y 60 ≥60 N/50mm (wear layer ≥ 0.3mm)	
	Wear layer 0.3			
	Wear layer 0.5			
	Wear layer 0.7			
The wear resistance of WL/Wearlayer abrasion resistance	Wear layer 0.15	EN 13329 (S-42, 200 change cycles)	IPtb ≥ 500 (AC1) (wear layer 0.15) IPtb ≥ 1800 (AC3) (wear layer 0.3) IPtb ≥ 4000 (AC4) (wear layer 0.5, 0.55) IP ≥ 6000 cycles (AC5) (wear layer 0.70mm)	
	Wear layer 0.3			
	Wear layer 0.5			
	Wear layer 0.7			
Locking strength (horizontal and vertical bar) Locking strength (long and short)		ISO 10582/ISO 24334	≥75 N/2.5 cm (Thickness 4mm)	
Castor chair test		ISO 4918/EN 425	≥15000 laps	
Scratch resistant microscratch		EN 16094 B	≤MSR-B2	
Scratch resistance Scratch resistance		ISO 1518	≥ 1800g	

Residual indentation	ASTM F1914	≤0.18mm	
Surface integrity/Surface integrity	ASTM F1914	Do not penetrate the wear layer/decorative layer into the hard core (No going through the wearlayer, film layer or SPC core)	
Coin scratch resistance	Internal	UV not falling off, white scratches and other visual defects (UV not falling out, white scratches and other visual defects)	
Light stability/Light stability	ISO 105 B02/ASTM F1515	≥ 6/ΔE≤8	
Heat Stability/Heat Stability	ASTM F1514	Δ E≤8	
IXPE gap to 4 edges/IXPE gap to 4 edges	Internal	≤ 2mm, sole does not go over the edge, no obvious gap (≤ 2mm, underlayment not go out of the edges, not too obvious gap difference)	
SIZE CHARACTERISTICS			
Dimensional stability Size/Dimensional stability	MD	ISO 23999	0.15%
	CD	ISO 23999	0.15%
Warp/Heat curl	ISO 23999	1mm	
APPEARANCE/VISUAL . PROPERTIES			
Gloss/Glossiness	Internal	3-7o	
Appearance/Visual	Internal	No obvious visual defect/No clear visual defects	

OTHER/DIFFERENT

TVOC	CDPH/EHLB Standard Method v1.2-2017 (California Section 01350)	≤0.5mg/m3
Reaction to Fire Fireproof feature	IN 13501-1	Reaction to fire class Bfi-sI
Slip Resistance	IN 13893	class DS; μ= 0.35
Formaldehyde	IN 717-3	≤0.5 mg/100g (E0)