



# Rigid Core Stone Plastic Composite(SPC) Product Technical Sheets

PROPERTY		Tolerance	Standard Test Method
Product Dimension Requirements			
Overall Thickness (mm)		-0.10 +0.13mm	ASTM F387
Wear layer Thickness(mm)		±0.03mm	ASTM F410
Length (mm)		±0.30mm	ISO 24337
Width (mm)		±0.10mm	
Squareness (mm)		AVE≤0.08mm MAX≤0.10mm	ASTM F2055
Straightness (mm)		AVE≤0.10mm MAX≤0.15mm	ISO 24337
Opening (mm)		AVE≤0.05mm MAX≤0.10mm	ISO 24337
Ledging (mm)		AVE≤0.05mm MAX≤0.10mm	ISO 24337
Bevel		Follow with order requirements.	Microscope Projection
Embossing depth		Follow with order requirements.	Depth Gauge
Density (kgs/m³)		The fluctuation within the batch ±10%	EN 436
PERFORMANCE PROPERTIES			
Peel Strength for both MD & CD - (PLI)		Min. 125N/50mm	ISO 24345
Locking-System Profile Accuracy		±0.05mm	Microscope Projection
Clic Tensile Force(MD & CD)		≥150N/50mm	ISO 24334
Castor chair		Non-underpad product≥25000	ISO 4918
Residual indentation		≤ 0.18mm (0.007 inch)	ASTM1914
UV Coating Adhesion		100%	In-house check
Micro-Scratch resistance		All products: ≤ 2 grade	EN16094
Surface Scratch		≥2500g	ISO-1518
Dimension Stability			
Dimensional Stability (%)	MD	≤0.08%(80°/6H)	ISO23999
	CD		
Heat Curling (mm)		≤0.8mm(80°/2H)	ISO23999
Room Temperature Curling (mm)		≤0.5mm(24°/24H)	In-house check
APPEARANCE PROPERTIES			
Surface Gloss		BP(AVE ±1.5°), EIR(AVE ±1.0°)	In-house check Customer requirements: 60° gloss instrument
contamination, tracking, surface damage, cut, edge damage, gouges, dents, blisters, bubbles, uneven texture or gloss, etc.		The determination method for these apparent defects detection will be as follows: based on the total number of sheets in the sample quantity, each similar issue found will be individually recorded and	In-house check

Backing layer damage,	photographed, and the final calculation shall not exceed 5%	
Grooving&Slot Debirs	It is required that the inside of the box should be clean and no cutting debris residue.	In-house check
Others		
Fire classification	Bfl-s1	EN13501
TVOC	$\leq 10\text{mg/m}^3$ (3days) $\leq 0.5\text{mg/m}^3$ (7days) $\leq 1.0\text{mg/m}^3$ (28days)	ISO16000&AgBB
	$\leq 0.5\text{mg/m}^3$	CDPH/EHLB Standard Method v1.2-2017 (California Section 01350)
Phthalates	ND( $\leq 60\text{ppm}$ )	In-house testing
Heavy Metals (mg/Kg product)	Total Lead (Pb) $\leq 100$	EN71-3:1994+AC:2002
	SOL. Lead (Pb) $\leq 90$	
	SOL. Mercury (Hg) $\leq 60$	
	SOL. Chromium (Cr) $\leq 60$	
	SOL. Arsenic (As) $\leq 25$	
	SOL. Antimony (Sb) $\leq 60$	
	SOL. Barium (Ba) $\leq 1000$	
	SOL. Selenium (Se) $\leq 500$	
	SOL. Cadmium (Cd) $\leq 75$	
WANRUN FLOORING -Technical Department		