



CERTIFIED BY
SCS Global Services



5G



Short side 5G-i Push Down System

PRODUCT INFORMATION

Constuction	Stone Plastic Composite	
SPC Core	4.0mm/4.5mm/5.0mm/5.5mm/6.0mm	
Wear Layer	0.3mm/0.5mm/0.7mm	
Sizes	6" x 48" (150mm x 1220mm) 7" x 48" (179mm x 1220mm)	12" x 24" (305mm x 609mm) 9" x 60" (226mm x 1524mm)
Backing	IXPE, Cork, EVA (Optional)	
Edge	Painted Bevel / Micro-Bevel	
Finish	UV Coating	
Installation	Floating	

MANUFACTURING & USAGE (ASTM F3261/EN16511)

Testing Items	Standard	Requirements	Results
Thickness, product without foam With foam back layer	ASTM F 387	$\pm 0.005"$ (0.13 mm) $\pm 0.008"$ (0.20 mm)	Pass
	ISO 24337	$\Delta_{\text{avg}} \leq 0.50$ mm, relative to nominal value $t_{\text{min}} - t_{\text{min}} \leq 0.50$ mm	Pass
Size, tolerance	ISO 24337	Width $\Delta W_{\text{avg}} \leq 0.10$ mm relative to nominal value $W_{\text{max}} - W_{\text{min}} \leq 0.20$ mm	Pass
		Length $1 \leq 1500$ mm: $\Delta l \leq 0.5$ mm $1 > 1500$ mm: $\Delta l \leq 0.3$ mm/m	
Squareness	ISO 24337	$q_{\text{max}} \leq 0.20$ mm	Pass
Residual Indentation	ASTM F 1914	Average $\leq 0.007"$ (0.18mm)	Pass
Dimensional Stability	ISO 23999	$\leq 0.25\%$ / Linear Foot (305)	Pass
Chemical Resistance	ASTM F 925	No more than slight change in surface dulling, attack or staining	Pass
Heat Resistance	ASTM F 1514	Average $\Delta E \leq 8.0$	Pass
Light Resistance	ASTM F 1515	Average $\Delta E \leq 8.0$	Pass
Openings	ISO 24337	$O_{\text{avg}} \leq 0.1$ mm $O_{\text{max}} \leq 0.2$ mm	Pass
Dimensional stability	ISO 23999 (80 C, 6 h)	Residential, (avg, max) $\leq 0.25\%$ Commercial, (max) $\leq 0.2\%$	Pass
Curl		≤ 2 mm	

SAFETY & PERFORMANCE

Reaction to fire	EN 13501-1	Bn - s1	Pass
Smoke Evolution	ASTM E662	Flaming & Non-Flaming: < 450	Pass
Slip resistance	EN 14041/DIN 51130	R10	Pass
6 phthalates(BBP/DBP/DEHP/DHEXP/DNHP/DINP/DIDP)	U.S. CPSIA Title I Section 108	$\leq 0.005\%$	ND
Castor chair resistance	EN 425	≥ 25000 cycles	Pass

SOUND PERFORMANCE

STC Sound Testing	ASTM E90 & ASTM E413	Sound Transmission Class As requirement	STC 53
IIC Sound Testing	ASTM E492 & ASTM E989	Impact Insulation Class As requirement	IIC 53
Weighted improvement of impact sound insulation	ISO 717-2		$\Delta L_w = 16$ dB
Spectrum adaptation	ISO 717-2		$C_{trA} = -7$ dB

* Sound Testing will vary depending on the specific floor/ ceiling assembly.

