

# PROJECT

## FLOORS

55A Barrys Point Road  
Takapuna, Auckland

### 6.0mm Acoustic SPC Product (4.2mm/0.30mm SPC+1.5mm IXPE) Technical Data

Subject	Main Parameter	Reference Standard
<b>Name</b>	Acoustic SPC	
<b>Type of flooring</b>	Heterogeneous PVC floor covering	ISO 19322 ISO 10582
<b>Classification</b>	23/33/42	ISO 10874
<b>Structure</b>	PU coating, wear layer(0.30mm), print film(0.07mm), Core (4.2mm), IXPE (10x, 1.5mm)	
<b>Impact sound reduction</b>	21dB	ISO 10140-1 & ISO 717-2
<b>Wear layer density</b>	1.28-1.31g/cm <sup>3</sup>	
<b>Size</b>	Length deviation ≤0.15% up to 0.5mm maximum. Width deviation ≤0.10% up to 0.5mm maximum.	ISO 24342
<b>Squareness, mm</b>	≤0.25 mm	ISO 24342
<b>Straightness, mm</b>	≤0.25 mm	ISO 24342
<b>Overall thickness</b>	±0.13 mm	ISO 24346
<b>Wear layer thickness</b>	+13 %/-10 %	ISO 24340
<b>Surface treatment</b>	PU coating	
<b>Bevelled edges</b>	Yes	
<b>Resistance to heat</b>	ΔE<3.5 avg, max	ASTM F1514
<b>Color Fastness to heat</b>		
<b>Resistance to light</b>	ΔE<3.5 avg, max	ASTM F1515
<b>Color Fastness to light</b>		
<b>Color fastness</b>	≥Grade 6	ISO 105-B02
<b>Dimensional stability, 80°C×6h</b>	≤0.15 %	ISO 23999
<b>Curl, 80°C×6h</b>	≤2 mm	ISO 23999
<b>Total mass per unit area</b>	+13 %/-10 %	ISO 23997
<b>Residual indentation( average)</b>	≤0.20 mm	EN ISO 24343-1
<b>Staining and resistance to chemicals</b>	Class 0	ISO 26987
<b>Micro-scratch resistance</b>	MSR B2	EN 16904
<b>Scratch resistance</b>	2300 g	EN ISO 1518-1
<b>Peeling strength</b>	≥1.0 kgf/cm	ISO 24345
<b>Thermal expansion</b>	2.2X10 <sup>-5</sup> /°C	Ref. ASTM D696
<b>Critical Radiant Flux</b>	≥4.5kW	ISO9239-1:2010
<b>Electrical resistance (Antistatic Resistance)</b>	≤2kV	EN 1815
<b>TVOC</b>	≤ 0.5 mg/m <sup>3</sup>	CDPH/EHLB standard
<b>Slip resistance</b>	≥R9 or R10 DS	DIN 51130 EN 13893
<b>Abrasion resistance</b>	Group T	EN 660-2
<b>Toxicity</b>	No toxic, not contain heavy metal	EN71-3
<b>Formaldehyde</b>	E1	EN717-1
<b>Use recycled materials or not</b>	No post-consumer waste	
<b>Features</b>	PU coating, easy to clean; To simulate wood/stone design, lots of colors to select;	

	Use durable wear layer;	
	Sound reduction to make you feel comfortable	
	Slip resistance, no contain toxic substance	
<b>Using area</b>	Residential/Business building, mall, hospital, factory, school, gymnasium, supermarket, office area	