



SPC STRUCTURE

T.THICKNESS	WEAR LAYER	PRODUCT SIZE
5.3 mm	0.3 mm	180x1220 mm
		SPC Stone 300x600mm

- Sound absorption
- Excellent performance on shrinkage and warpage properties
- Easy installation

ROYAL 13
STONE PLASTIC COMPOSITE

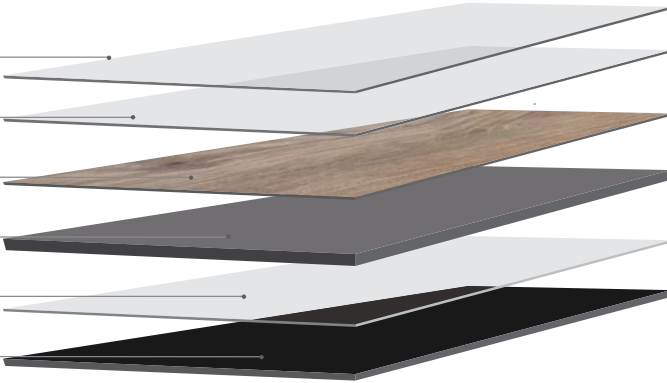
BRITISH DESIGNED

SPC

STONE PLASTIC COMPOSITE

STRUCTURE

- 1 UV Surface Treatment
- 2 WEAR Layer
- 3 PRINTING Film Layer
- 4 RIGID CORE Layer
- 5 GLUE Layer
- 6 IXPE CUSHION Layer



TEST ITEM	TEST METHOD	STANDARD	SPC
Overall Thickness	ISO 24346	avg: N+0.13mm/-0.1mm Max: N±0.15mm	4.5+1.0mmIXPE
Thickness of wear layer	ISO 24340	N±0.02mm	0.5
Mass per unit area	ISO 23997	N+13%/-10%	9.8kg/m2
Dimensional stability and curling after exposure to heat	ISO 23999	<<0.12% curling±1.2mm	0.05% curling:0.25mm
Residual indentation	ISO 24343-1	<<0.15mm	0.10mm
Effect of castor chair	ISO 4918	pass (25000r)	PASS
Colour fastness to artificial light	ISO 105-B02, Method 3	≥6	6
Button type tension	ISO 10582 Annex D	≥120N/5CM	250N/5cm
Stripping resistance	ISO 24345	≥60N/5CM	75N/5cm
Flatness	ISO 10582 Annex B	≥0.5(% of the Length) ≥0.1(% of the width)	0.05% 0.03%
Flat-fell-seam	ISO 10582 Annex C	<<0.10MM	0.05
Height difference	ISO 10582 Annex C	<<0.10MM	0.05
Wear group	EN-660-2	T	T
Classification	ISO 10582	Transparently	Class 33 Class 42
Effect of stains	EN423:2001 ISO26987:2008	Not affected	Not affected
Sound insulation	ISO 10140-3 ISO717-2:1996	19dB	19dB
Reaction to fire	EN 13501-1	B fl-s 1	B fl-s 1
Content of pentachlorophenol (PCP)	Laminate as per CEN/TR 14823, textile as per CEN/TS 14494, Resilient floor not required	ND (not detected)	ND (not detected)
Formaldehyde emission	EN 717-1	PASS (below E1)	PASS (below E1)
Slip resistance	EN 13893	Class DS (u ≥0.3)	Class DS (u ≥0.3)
The body voltage	EN 1815	≤2.0kv	≤2.0kv
Vertical resistance	EN 1081	>3x1010Ω	>3x1010Ω
Thermal conductivity/resistance	ISO 8302	0.422w/(m•k) 0.047 (m2•k)/w	0.422w/(m•k) 0.047 (m2•k)/w
Heavy metal	EN 71-3-2013	ND (not detected)	ND (not detected)
Phthalate tests	EN 14372:2004	ND (not detected)	ND (not detected)
PAHs	CPSC-CH-C1001-09-3	ND (not detected)	ND (not detected)
PAHs	AFPS GS 2014:01 PAK	ND (not detected)	ND (not detected)
VOCS	ASTM D5116/ISO 16000	A+	A+
SVHC released	EU REACH Regulation No.1907/2006 Article 33	ND (not detected)	ND (not detected)
Specific optical density of smoke	ASTM E662	Flam: <450 Flamless: <450	Flam: <450 Flamless: <450
Critical radiant flux	ASTM E648	Class 1	Class 1



ECO-Friendly



Easy Installation



Wear Resistant



Waterproof



Sunlight From Window



Anti-Slip



Easy Maintenance



Compressive

SPC

STONE PLASTIC COMPOSITE

SPECIFICATION

CLICK	2G/2G			2G/5G
3.4/0.30 mm+0.6 mm IXPE	6"*36"	7.25"*48"	12"*24"	9"*56"
4.0/0.3 mm+1.0 mm IXPE	6"*36"	7.25"*48"	12"*24"	9"*56"
4.0/0.5 mm+1.0 mm IXPE	6"*36"	7.25"*48"	12"*24"	9"*56"
4.5/0.3 mm+1.0 mm IXPE	6"*36"	7.25"*48"	12"*24"	9"*56"
4.5/0.5 mm+1.0 mm IXPE	6"*36"	7.25"*48"	12"*24"	9"*56"
5.0/0.5 mm+1.0 mm IXPE	6"*36"	7.25"*48"	12"*24"	9"*56"
5.0/0.7 mm+1.0 mm IXPE	6"*36"	7.25"*48"	12"*24"	9"*56"



RF-SPC-01B



RF-SPC-01N



RF-SPC-01W



RF-SPC-02B



RF-SPC-02N



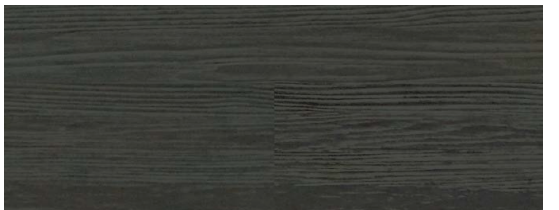
RF-SPC-02W



RF-SPC-03B



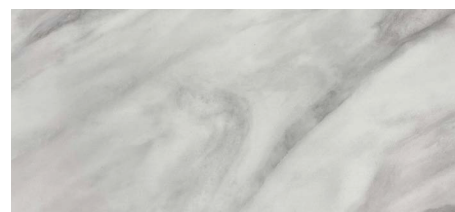
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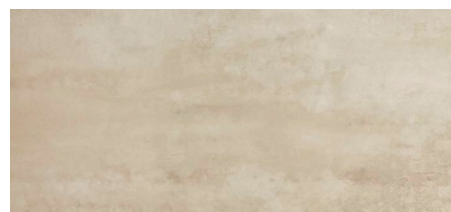
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RF-SPC-04W



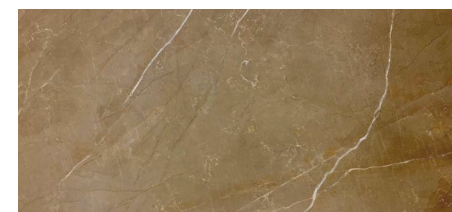
RF-SPC-01S



RF-SPC-02S



RF-SPC-03S



RF-SPC-04S



RF-SPC-05S



RF-SPC-06S