

TECHNICAL DATA

Description:	SPC FLOORING
Physical Properties	
Construction:	4.2mm SPC core (Limestone + Virgin PVC composite, not contain plasticizer) 1mm IXPE underlayment 2000 kgs/m ³ density
Finish:	Deep embossed texture
Wear-layer:	0.5mm (20mil) wear-layer for heavy commercial
Gloss Level	6%-7%
Profile:	Drop and Lock
Edge:	Mini-micro-beveled edge
Installation:	Float - Valing 2G fold down fast installation click, Glue free.
Size/Packaging:	Plank size 7.09"x48"x6.5mm 23.64 sq ft / carton, 10 planks per carton, 40lbs/carton

Detailed Technical Data:

Properties	Test Method	Unit	Test Result		Remarks
Dimensional stability (Expansion or shrinking)	BS EN ISO 23999:2012	%	Manufacturing direction	0.06	Heating temperature: 80°C Heating time: 6h
			Across-manufacturing direction	0.03	
Curling after exposure to heat		mm	0		
Peel Resistance (top layer)	BS EN ISO 24345:2012	N/50mm	Machine direction	80	Loading rate: 100mm/min
			Across machine	75	
Residual indentation	EN ISO 24343-1:2012	mm	0.06		Pass
Staining and resistance to chemical	EN ISO 26987:2012	/	Not affected		Pass
Wear resistance (0.55mm/22mil)	EN 660-2:1999 +A1:2003 and EN649:2011	/	Wear group: T		Pass
Color fastness to light	EN ISO 105-B02:2014	/	Grade (Bluewood Std) 6		Meets requirement
Effect of a castor chair	EN 425:2002	/	No visible damage		Pass
Slip resistance	DIN 51130:2014-02	/	Critical angle of inclination: 12.0°	R10	Pass
RoHS Directive 2011/65/EU	IEC 62321		Not Detected		Pass
Phthalates (DBP, BBP, DINP, DNOP, DIDP)	EN14372:2004		Not Detected		Meets requirement
REACH	Regulation (EC) No 1907/2016 REACH	%	According to the specified scope and evaluation screening, the test results of SVHC are less than 0.1%(w/w)		169 Substances of Very High Concern(SVHC) for authorization by European Chemicals were Not Detected
Fire-resistant rate	EN ISO 9239-1	/	Critical flux (kW/m ²)	≥11	Pass
	EN ISO 11925-2 Exposure = 15s	/	Smoke (%xminutes)	160	Pass
VOC (Floorscore)	CDPH/EHLB/Standard Method V1.2	/	Fs ≤ 150 mm		YES
			35 types of chemicals		Pass
IIC - IMPACT INSULATION	ASTM E492-09 / E989-06	/	Calculated Impact Insulation Class: IIC 68		
STC-SOUND TRANSMISSION	ASTM E90-09/ E413-16	/	Calculated Sound Transmission Class: STC 68		
Performance (Install with radiant heating system)	With rigid stable core, Permshield SPC Flooring can be safely installed with different type of floor heating system between a temperature range of 25°F - 122°F.				

* **Note:** Please make sure to open your floor heating system for at least 4 hours before you install Permshield SPC Flooring to get the best performance.