

## TECHNICAL DATA

<b>Description:</b>	SPC FLOORING				
<b>Physical Properties</b>					
<b>Construction:</b>	4.2mm SPC core (Limestone + Virgin PVC composite, not contain plasticizer) 1mm IXPE underlayment 2000 kgs/m <sup>3</sup> density				
<b>Finish:</b>	Deep embossed texture				
<b>Wear-layer:</b>	0.5mm (20mil) wear-layer for heavy commercial				
<b>Gloss Level</b>	6%-7%				
<b>Profile:</b>	Drop and Lock				
<b>Edge:</b>	Mini-micro-beveled edge				
<b>Installation:</b>	Float - Valing 2G fold down fast installation click, Glue free.				
<b>Size/Packaging:</b>	Plank size 7.09"x48"x6.5mm 23.64 sq ft / carton, 10 planks per carton, 40lbs/carton				
<b>Detailed Technical Data:</b>					
Properties	Test Method	Unit	Test Result		Remarks
<b>Dimensional stability</b> (Expansion or shrinking)	BS EN ISO 23999:2012	%	Manufacturing direction	0.06	Heating temperature: 80°C Heating time: 6h
			Across-manufacturing direction	0.03	
<b>Curling after exposure to heat</b>		mm	0		
<b>Peel Resistance</b> (top layer)	BS EN ISO 24345:2012	N/50mm	Machine direction	80	Loading rate: 100mm/min
			Across machine	75	
<b>Residual indentation</b>	EN ISO 24343-1:2012	mm	0.06		Pass
<b>Staining and resistance to chemical</b>	EN ISO 26987:2012	/	Not affected		Pass
<b>Wear resistance</b> (0.55mm/22mil)	EN 660-2:1999 +A1:2003 and EN649:2011	/	Wear group: T		Pass
<b>Color fastness to light</b>	EN ISO 105-B02:2014	/	Grade (Bluewood Std) 6		Meets requirement
<b>Effect of a castor chair</b>	EN 425:2002	/	No visible damage		Pass
<b>Slip resistance</b>	DIN 51130:2014-02	/	Critical angle of inclination: 12.0°	R10	Pass
<b>RoHS Directive 2011/65/EU</b>	IEC 62321		Not Detected		Pass
<b>Phthalates</b> (DBP, BBP, DINP, DNOP, DIDP)	EN14372:2004		Not Detected		Meets requirement
<b>REACH</b>	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
<b>Fire-resistant rate</b>	EN ISO 9239-1	/	Critical flux (kW/m <sup>2</sup> )	≥11	Pass
	EN ISO 11925-2 Exposure = 15s	/	Smoke (%xminutes)	160	Pass
<b>VOC (Floorscore)</b>	CDPH/EHLB/Standard Method V1.2	/	Fs ≤ 150 mm		YES
			35 types of chemicals		Pass
<b>IIC - IMPACT INSULATION</b>	ASTM E492-09 / E989-06	/	Calculated Impact Insulation Class: IIC 71		
<b>STC-SOUND TRANSMISSION</b>	ASTM E90-09/ E413-16	/	Calculated Sound Transmission Class: STC 71		
<b>Performance</b> (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.