

Technical Data Sheet (SPC RIGID VINYL PLANK)

NO.	Item	EN/ASTM Norms	Test condition	Result
1	Length	Refer to ISO 24341:2006	Specimen: 1524mm×228.6mm×5.0mm, 1pcs Condition: 23±2°C,50±5%RH,24h	1524mm
2	Width			228.6mm
3	Side length	ISO 24342:2007	Specimen: 1524mm×228.6mm×5.0mm, 5pcs Condition: 23±2°C,50±5%RH,24h	Length Direction: 1524mm Width Direction: 228.6mm
4	Squareness			Deviation range: 0.00mm~+0.05mm
5	Straightness			Deviation range: 0.00mm~+0.05mm
6	Overall thickness	ISO 24346:2006	Specimen: 1524mm×228.6mm×5.0mm, 5pcs Condition: 23±2°C,50±5%RH,24h Mass applied:5.0±0.1kg Diameter of upper plate:50.0±0.2mm Load time: 5s	Average:5.0mm Maximum:5.01mm Minimum:4.99mm
7	Residual Indentation	ISO 24343-1:2007	Specimen: 60mm×60mm×5.0mm, 3pcs Condition: 23±2°C,50±5%RH,24h →500N, 150min → Recovery time: 150min	0.01 mm
8	Mass per unit area	ISO 23997:2007	Specimen: 1524mm×228.6mm×5.0mm, 5pcs Condition: 23±2°C,50±5%RH,24h	10005g/m ²
9	Dimensional stability (see note 2)	Refer to ISO 23999:2008	Specimen: 1524mm×228.6mm×5.0mm, 3pcs Condition: 23±2°C,50±5%RH,24h →80±2°C, 360min → 23±2°C,50±5%RH,24h	X Direction: -0.10% Y Direction: -0.07%
10	Curling (see note 3)			0.0 mm
11	Resistance to staining	ISO 26987:2008	Specimen: 1524mm×228.6mm×5.0mm,3pcs Condition: 23±2°C,50±5%RH, 24h The main duration of contract shall be 2h. If a stain appears on the test piece after 2h, a new test shall be conducted for a period of 30 min. Examine the residual staining	Index 0: Not affected (See Annex A)
12	Slip resistance (oil-wet ramp test)	DIN 51130:2014 -02	Specimen: 1000mm×500mm×5.0mm, 1pcs Condition: 23±2°C,50±5%RH	8.4°; Classification: R9 (See the Annex B)
13	Colour Fastness to Light	ISO 105-B02:2014	Use Xenon arc lamp, exposure cycle A1, no flip-flop mode was used	Grade(B.W.S): 6
14	Effect of a castor chair	ISO 4918:2016	Cycles: 25000 Load: 90kg	No visible damage
15	Thermal conductivity (see note 4)	EN 12667:2001 (heat flow meter method)	Specimen: 301mm×301mm×5.0mm Density is about 1959kg/m ³ Mean temperature: 23°C Temperature difference: 10°C	0.105 W/(m.k)
16	Thermal resistance (see note 4)			0.039(m ² .K)/W
17	Determination of Impact Sound Insulation Class	ASTM E492-09(2016) ε1 ASTM E989-06(2012)	6.5mm(5.0mm rigid core + 1.5mm IXPE)	IIC=70