

## TECHNICAL DATA SHEET Normal SPC Flooring

Characteristics		Methods	Test Results
<b>Geometrical Characteristics</b>			
Dimensional	Length	ISO 24337 / ASTM F2055	± 0.5 mm
	Width		± 0.2 mm
Overall Thickness		ISO 24337 / ASTM F387	Average ± 0.2 mm
Flatness	Length	ISO 24337	Concave ≤ 0.15% , convex ≤ 0.2%
	Width		Concave ≤ 0.15% , convex ≤ 0.2%
Squareness		ASTM F2055	≤ 0.25 mm
<b>Indentation Recovery</b>			
Residual indentation		ASTM F1914	≤ 0.18 mm
Surface integrity		ASTM F1914	No puncture through wear layer
Static loading		ASTM F970/ ASTM F387	Residential : N/A
			Commercial : ≤ 0.13 mm
<b>Scratch Resistance</b>			
Micro - scratch ( Martindale)		EN 16094	B3,B2 , B1
<b>Locking System</b>			
Castor chair		EN 425	Class 31 ( EN ISO 10874) ≥ 10.000 Cycles
			Class 32, 33, 34 ( EN ISO 10874) ≥ 25.000 Cycles
<b>Thermal Stability</b>			
Dimensional Stability ( 80°C – 6h)		ISO 23999/ ASTM F2199	≤ 0.1 %
Curl ( 80°C – 6h)		ISO 23999/ ASTM F2199	± 2 mm
<b>Sound insulation</b>			
Impact sound insulation class (IIC)		ASTM E492-09(2016)	With Pading and Ceiling : 56 - 78
Sound tranmission class (STC)		ASTM E90-09	With Pading and Ceiling : 55 - 76
<b>Colorfastness</b>			
Resistance to heat		ASTM F1514	Δ E ≤ 8
Resistance to light		ASTM F1515	Δ E ≤ 8
<b>Sustainability</b>			
Fire resistance and smoke emission		EN 13501-1	Class Bfl s1
VOC Emission		BS ISO 16000 / ASTM D5116	Certified
Formaldehyde emission		EN 717-1	E1
Heavy metal		ASTM F963	Pass
<b>Other</b>			
Suitable for Underfloor Heating			Yes
			27°C Max
Resistance to chemicals		ASTM F925	Pass
Slip resistance		DIN 51130 : 2014	R9 , R10
		EN 13893	Class DS