



SPC / Rigid-core Technical Data

Subject	Main Parameter (Result)	Reference Standard EN ISO or ASTM
Standards	Pass: Resilient flooring with Rigid Polymeric Core	ASTM F3261
Type of flooring	Heterogeneous PVC floor covering	ISO 10582
Classification	23/31	ISO 10874
Classification	Class III Type B	ASTM F1700
Size	180 *1219; 227*1219; 146*914; 307*610mm	EN ISO 24342
Thickness	upon request ±0.13 mm	refer to: EN ISO 24346
Wear layer thickness	12 mil (0.30 mm)+10 %/-10 % 20 mil (0.50 mm)+10 %/-10 %	EN ISO 24340
Surface treatment	PU coating	
Warranty ¹	TOP0.3 10Years/TOP0.5 15 Years Lifetime	Commercial Residential
Structure	TOP0.3+FILM0.07+SPC3.7+ixpe1.0mm TOP0.5+FILM0.07+SPC4.5+ixpe1.0mm	
Wear layer density	1.26 g/cm ³	ISO 23996
Squareness	≤0.20 mm	refer to: EN ISO 24342
Straightness	≤0.30mm	refer to: EN ISO 24342
Locking system ²	Välinge 2G™ angling installation system	
Dimensional stability	Pass	ISO 23999
Dimensional stability, 80℃×6h	≤0.06 %	refer to: ISO 23999
Curl, 80℃×6h	≤1.2mm	ISO 23999
Total mass per unit area	7778g/m ² (+10 %/-10 %) 9628g/m ² (+10 %/-10 %)	EN ISO 23997
Residual indentation(average)	≤0.05 mm	EN ISO 24343-1
Staining and resistance to chemicals	Class 0	ISO 26987
Staining resistance	Pass	ASTM F925
Light fastness	Pass	ASTM F1515
Color fastness	≥Grade 6	ISO 105-B02
Ply Adhesion	≥60N/5cm	ISO 24345
Reaction to fire	Bfl-s1	EN 13501-1
Reaction to fire	Class 1	ASTM E648-06
Smoke density	Pass (< 450)	ASTM E662-06
Flammability test	Pass	FF 1-70; Federal Approval
Slip resistance	general embossing: Dry >45/Wet >35; SI embossing: Dry >40/Wet >30; R9 DS	DIN 51130 EN 13893
Slip resistance ³	Pass (Dry 0.64) / Pass (Dry 0.8)	ASTM D2047
Acoustic impact noise reduction*	ΔIIC = 22 dB IIC = 69 dB (6" Concrete Slab w/Drop Ceiling) IIC = 71 dB (6" Concrete Slab w/Drop Ceiling + QuietChoice)	ASTM E2179-09 ASTM E492-09
Static load*	Pass (600 psi at 0.005")	ASTM F970
Heat fastness	Pass	ASTM F1514
Adhesive	None required; Follow our installation instructions.	
Electrical resistance (Anti-static Resistance)	≤2.0kV	EN 1815
Electrostatic propensity*	1.1 kV	AATCC 134-1996
Surface treatment	≥9N UV coating10-12g	

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Environmental	FloorScore® SCS-EC10.3-2014 v4.0	Indoor air quality certified; Compliant low emitting VOC emissions. Manufactured to quality and environment management systems standards
	ISO 14001 / ISO 9001	
Effect of Caster Chair	≥25000	ISO 4918
Abrasion resistance	Group T	EN 660-2
Abrasion resistance	Pass 14,000 Cycles Pass 20,000 Cycles	ASTM D4060
Toxicity	No toxic, not contain heavy metal	EN71-3
Formaldehyde	E1	EN717-1
Recycling	Suitable	
phthalate free	yes	
Features		
Using area		
Others		

¹ Subject to terms. Commercial warranty covers light commercial use only

² 2G™ is a patented technology invented by Välinge Innovation AB. The 2G™ word mark and logo are registered trademarks owned by Välinge Innovation AB and any use of such marks is under license.

³ Slip resistance is measured on freestanding ex-factory product. Slip resistance can be affected by many factors, including but not limited to; product installation and underlayment, surface contamination, use, wear and how the product is maintained. Textural variation along the surface of the product can affect nominal values

