














Technical Information of planeo Rigid Vinyl Floor for 4mm with 0.3mm Wearlayer SPC flooring

	Standards	Requirements	Result
 Floorscore Certification	SCS-EC10.3-2014v3.0	Refer to Standards	Pass
 CE Certification	EN14041	Refer to Standards	Pass
 Fire resistance	EN 9239-1 EN ISO11925-2 EN 13501-1	Critical Flux ^f ≥ 8.0kW/m ² Fs ≤ 150mm within 20s Smoke ≤ 750% minutes	B _{F1} -s1
 Slip resistance	EN13893	N/A	Class DS
Phthalate tests (DBP/BBP/DEHP/DINP/DNOP/DIDP)	EN 14372:2004	N/A	Free
Dimension stability	ASTM F2199-09 (R2014)	≅ 0.25%	Manufacturing direction: -0.046% Across-manufacturing direction: -0.009%
 Determination of dimensional stability and curling after exposure to heat	ISO 23999:2012	≤ 0.25% The curling ≤ 2mm	MD: -0.05% AMD: 0% 0mm
 Seam strength	EN 684:1995	N/A	Ave. : 360N/50mm Pass Min. : 330N/50mm
Residual indentation (%)	ASTM F1700-13a & ASTM F1914-07 (2011)	Average value ≅ 8 Individual value ≅ 10	0.4 Pass
 Determination of Indentation and Residual Indentation	ISO 24343-1:2012	N/A	0mm Pass
 Resistance to chemicals	ASTM F1700-13a & ASTM F925-13	No more than a slight change in surface dulling, surface attack, or staining	No change in surface dulling, surface attack, or staining was detected
Heat stability	ASTM F1514-03 (R2013)	ΔE _{ab} * < 8	ΔE _{ab} * = 0.67 Pass
 Static loading	ASTM F970-17	N/A	0.04mm Pass
Soluble heavy metal contents test	ASTM F963-16 (Clause 8.3)	N/A	Free
Large ball impact resistance	NALFA/ANSI LF-01-2011	N/A	No cracks or fractures occurred at the height of 2500mm
Static Electrical Propensity	EN 1815:2016 method A	≅ 2kV	0.2kV
 Formaldehyde	ISO 17226-1:2008	N/A	Free
Surface Bond	NALFA/ANSI LF-01-2011	N/A	1.14MPa Pass
Resilient floor covering Determination of peel resistance	EN ISO 24345:2012	≥ 54N/50mm	Longitudinal direction: 95N/50mm Cross direction: 95N/50mm
 Castor chair (25000 Cycles)	EN 425:2002	N/A	No damage was found after test
Castor chair Resistance (25000 Cycles)	NALFA/ANSI LF-01-2011	N/A	No damage was found after test
 Thermal conductivity	EN 12667:2001	N/A	0.154 W/(m.K)
Thermal Resistance	EN 12667:2001	N/A	0.033 (m ² .K)/W

Colour Fastness	EN ISO 105-B02:2014	N/A	Grade 6
Curling	ISO 23999:2008	N/A	Average: 0.5mm Pass
Residual indentation	ISO 24343-1:2007	N/A	Average: 0.02mm Pass
Locking strength	ISO 10582:2017 Annex D	Class 32, type I: ≥ 1.5 kN/m	Long side (X): 7.6 kN/m Short side (Y): 6.3 kN/m Pass
Resistance to staining	ISO 26987:2008	N/A	Index 0: Not affected Pass
Slip resistance (oil-wet ramp test)	DIN 51130:2014-02	N/A	Critical angle of inclination: 14.8° Classification: R10 Pass
Resistance to bacteria	ISO 846-1997 Method C	N/A	Assessment of bacteria growth: 0 Pass
 Abrasion resistance (0.3mm wearlayer)	EN13329:2016+A1:2017	≥ 2000 cycles	2400 cycles Abrasion Class: >AC3