

TECHNICAL INFORMATION FORM FOR STONE COMPOSITE PLASTIC FLOORING

Description	Standard	4 mm SPC	5 mm SPC
Classification (Level of Use)	EN 16511	Class 31 - Class 33 - Class 34	Class 31 - Class 33 - Class 34
Plank Size	ISO 24337	14f Click : 180x1220 mm 228x1220 mm 305x1220 mm	14f Click : 180x1220 mm 228x1220 mm 305x1220 mm
V-Groove		Micro V Bevel	Micro V Bevel
Quantity in Package		80x1220 mm - 10 Planks - 2,196 m ² 228x1220 mm - 9 Planks - 2,503 m ² 305x1220 mm - 6 Planks - 2,233 m ²	180x1220 mm - 8 Planks - 1,757 m ² 228x1220 mm - 8 Planks - 2,225 m ² 305x1220 mm - 5 Planks - 1,861 m ²
Wear Layer Thickness	ISO 24340	0,15 mm - 0,30 mm - 0,55 mm	0,15 mm - 0,30 mm - 0,55 mm
Underlayment (Optional)		1 mm IXPE	1 mm IXPE
Core Thickness (t)	EN 17539	t _{max} - t _{min} ≤ 0,50 mm (for panels without preattached underlay) t _{max} - t _{min} ≤ 0,80 mm (for panels with preattached underlay)	t _{max} - t _{min} ≤ 0,50 mm (for panels without preattached underlay) t _{max} - t _{min} ≤ 0,80 mm (for panels with preattached underlay)
Length (l)	EN 17539	l ≤ 1 500 mm: Δl ≤ 0,5 mm l > 1 500 mm: Δl ≤ 0,3 mm/m	l ≤ 1 500 mm: Δl ≤ 0,5 mm l > 1 500 mm: Δl ≤ 0,3 mm/m
Width (w)	EN 17539	w(max) - (wmin) ≤ 0,20 mm	w(max) - (wmin) ≤ 0,20 mm
Squareness (q)	EN 17539	q(max) ≤ 0,20 mm	q(max) ≤ 0,20 mm
Openings (o)	EN 17539	o(max) ≤ 0,20 mm	o(max) ≤ 0,20 mm
Surface UV Protection		Yes	Yes
Dimensional Stability	EN ISO 23999	≤ 0.15%	≤ 0.15%
Curling	EN ISO 23999	≤ 2 mm	≤ 2 mm
Reaction to Fire (and Smoke Production)	EN 13501-1	Bfl-s1	Bfl-s1
Residual Indentation (ri)	ISO 24343-1	≤ 0,1 mm	≤ 0,1 mm
Effect of Furniture Leg	EN ISO 16581 (Tested width foot typed.)	No Visible Damage	No Visible Damage
Castor Chair	EN ISO 4918(b)	31 class After 10000 cycles and 33- 34 class - After 25000 cycles: Delamination None Appearance "Slight Change	31 class After 10000 cycles and 33- 34 class - After 25000 cycles: Delamination None Appearance "Slight Change
Locking Strength	ISO 24334	Class 31 : No requirement. Class 33 – Long Side ≥ 1,0 kN/m Class 33 –Short Side ≥ 1,5 kN/m Class 34 – Long Side ≥ 1,0 kN/m Class 34 –Short Side ≥ 3,5 kN/m"	Class 31 : No requirement. Class 33 – Long Side ≥ 1,0 kN/m Class 33 –Short Side ≥ 1,5 kN/m Class 34 – Long Side ≥ 1,0 kN/m Class 34 –Short Side ≥ 3,5 kN/m"
Colour Fastness to Light	ISO 105-B02, Method 3	≥ Grade 6	≥ Grade 6
Resistance to Staining (Grade per Group)	EN 438-2 : Group 1 only 10	Groups 1 and 2 : Grade 5 Group 3 : Grade 4	Groups 1 and 2 : Grade 5 Group 3 : Grade 4
Micro Scratch Resistance	EN 16094 : Procedure A	Class 31 : ≤ 1,5 unit changel at 60° Class 33 : ≤ MSR-A2 I ≤ 1,5 unit changel at 60° Class 34 : ≤ MSR-A2 I ≤ 1 unit changel at 60°	Class 31 : ≤ 1,5 unit changel at 60° Class 33 : ≤ MSR-A2 I ≤ 1,5 unit changel at 60° Class 34 : ≤ MSR-A2 I ≤ 1 unit changel at 60°
Impact Resistance (Big Ball)	EN 13329 Annex F	Class 31 ≥ 800 mm Class 33 ≥ 1600 mm Class 34 ≥ 1800 mm	Class 31 ≥ 800 mm Class 33 ≥ 1600 mm Class 34 ≥ 1800 mm
Wear resistance IP, method A	ISO 24338: Procedure A	0,15 mm ≥ 600 revulation 0,30 mm ≥ 2000 revulation 0,55 mm ≥ 4000 revulation	0,15 mm ≥ 600 revulation 0,30 mm ≥ 2000 revulation 0,55 mm ≥ 4000 revulation
Thermal Resistance	EN 12664	0,0165 m ² K/W	0,0165 m ² K/W
Slip Resistance (Dry)	EN 13893	Class DS: Coefficient of Frivtion ≥ 0,30	Class DS: Coefficient of Frivtion ≥ 0,30
Static Electrical Charge	EN 1815	≤ 2kV	≤ 2kV
Formaldehyde Emission	EN 717-1 : 2016	Class E1: Release ≤ 0,022 mg/m ³	Class E1: Release ≤ 0,022 mg/m ³
Pentaklorofenil (PCP)	CEN / TR 14823	Does not contain PCP	Does not contain PCP
Underfloor Heating System	EN 12664	Suitable for max 28 °C material temperature	Suitable for max 28 °C material temperature
STC Acoustic Sound Insulation with 1 mm IXPE Mattress	ASTM 492-09	STC 52	STC 52
IIC Acoustic Sound Insulation with 1 mm IXPE Mattress	ASTM E 989-18	IIC 55	IIC 55