

Datasheet / Specification Smart™ Decking by Green Plank

Product Item	
Surface	Brushed surface with multi-toned colors
Dimensions	22*182 mm
Standart length	3800 mm
Actual length tolerances may vary from -2 mm upwards, subject to temperature. Width / thickness tolerance is +/- 1 mm.	
Requirement	6.52 meter per sqm
C/C : Maximum joist span (on centers) in residential construction	50 cm
Weight	3.8 kg per meter
Installation	Tongue & Groove with Screws – NO CLIPS
Special Properties (60% faster installation in comparison with conventional decking products)	<ul style="list-style-type: none"> → High Slip Resistance → Eco-Friendly (90% recycled matieral) → NO CLIPS → Low Maintenance → Weather and Rot resistant → Easy Installation

Test Results for Composite Composition –

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Properties	Declaration	Results
Density determination according to EN ISO 1183-1	Density (g/cm ³)	1.379
Linear mass determination according to EN 15534-1	Linear mass (g/m)	3371
Tensile strength determination according to EN ISO 527-2	Tensile strength (MPa)	35.05
	Strain at break (%)	3
Tensile strength determination according to EN ISO 527-2	Compressive strength (MPa)	56.32
Determination of bending properties for grooved side facing up accoring to EN 15534-1	Deflection under a load of 500 N (mm)	1.776
	Maximum force (N)	4444
	Bending strength (MPa)	49.37
	Bending modulus of elasticity (MPa)	5124
Determination of cupping according to EN 15534-1	(mm)	0.2
Determination of formaldehyde according to EN ISO 12460-3	Formaldehyde release (mg.m ⁻² .h ⁻¹)	0.56

Properties	Declaration	Results
Determination of falling mass impact resistance according to EN 15534-1	-	All of the test specimens without failure or crack or residual indentation
Determination of impact strength CHARPY according to EN ISO 179-1	Charpy impact strength ²⁾ (kJ/m ²)	8.75
Determination of resistance to sliding according to EN 15534-1	Slip resistance value – dry conditions	62
	Slip resistance value – wet conditions	42
Determination of swelling and water absorption according to EN 317	Swelling – change of length (%)	0.1
	Swelling – change of width (%)	0.1
	Swelling – change of thickness (%)	1.2
	Swelling – change of weight (%)	1.0
Determination of linear thermal expansion coefficient according to ISO 11 359-2	Linear thermal expansion coeff. (-20°C/+23°C) – „transverse“ orientation (K ⁻¹)	5.33·10 ⁻⁵
	Linear thermal expansion coeff. (-20°C/+23°C) – „longitudinal“ orientation (K ⁻¹)	3.38·10 ⁻⁵
	Linear thermal expansion coeff. (+23°C/+80°C) – „transverse“ orientation (K ⁻¹)	9.08·10 ⁻⁵
	Linear thermal expansion coeff. (+23°C/+80°C) – „longitudinal“ orientation (K ⁻¹)	4.67·10 ⁻⁵
Determination of deviation of straightness according to EN 15534-1	Deviation from straightness – flatwise (mm)	0.45
	Deviation from straightness – edgewise (mm)	0.25