Datasheet / Specification MarineCap™ Decking by Green Plank

Product Item	
Surface	Reversible board with protective shell (HDPE)
Dimensions	21*140 mm
Standart length	4800 mm
Actual length tolerances may vary from -2 mm upwards, subject to temperature. Width / thickness tolerance is +/- 1 mm.	
Requirement	7 meter per sqm
C/C : Maximum joist span (on centers) in residential construction	50 cm
Weight	3.5 kg per meter
Installation	Clips and Screws
Special Properties (matching accessories aviable)	→ High Slip Resistance → Eco-Friendly (90% recycled matieral) → Skandinavian design → Low Maintenance → Weather and Rot resistant → Easy Installation → Capsulating causes color stability

Test Results for Capped Composite Composition – MarineCap™ Decking by Green Plank

Test Items	Test Methods	Requirements	Results
Flexural properties	EN 15534-1:2014 Annex A EN 15534-4:2014 Section 4.5.2	Flexural properties -F^1max: Mean ≥ 3300 N Min. ≥ 3000 N -Deflection under a load of 500 N Mean ≤ 2,0 mm Max. ≤ 2,5 mm	Bending Strength: 45.0 Mpa Modulus of elasitcity: 3.6 Gpa Maximum load: Mean: 5342 N Min.: 5216 N Deflection at 500N: Mean: 1.72 mm Max.: 1.91 mm
Tensile Strength perpendicular to the panel	EN 319:1993	/	Tensile Strength: > 4.04 N/mm²
Density	EN 15534-1:2014 Section 6.2 ISO 1183-1 Method A	/	1.292 g/cm³
Slipperiness (Pendulum test)	EN 15534-1:2014 Section 6.4.2 CEN/TS 15676	Pendulum value ≥ 36	Mean: Longitudinal: 62 Horizontal: 85 Min.: Longitudinal: 60 Horizontal: 84

Test Items	Test Methods	Requirements	Results
Impact resistance	EN 15534-1:2014 Section 7.1.1 EN ISO 179-1:2010	/	5.8 kJ/m²
Creep behaviour	EN 15537-1:2014 Section 7.4.1 EN 15534-4:2014 Section 4.5.3	Known span in use Mean ΔS ≤ 10 mm Max. ΔS ≤ 13 mm Mean ΔSr ≤ 5 mm	Span: 300 mm Mean ΔS: 2.13 Max. ΔS: 2.25 mm Mean ΔSr: 1.24 mm
Resistance to indentation	EN 15534-1:2014 Section 7.5 EN 1534:2010	/	Apply 2000N load Brinell hardness: 58.1 N/mm² Rate of elastic recovery: 52%
Nail and Screw withdrawal	EN 15537-1:2014 Section 7.6 EN 13446:2002	/	Surface withdrawal: 48.5 N/mm² Edge withdrawal: 44.1 N/mm²
Resistance to artificial weathering Tensile Strength prependicular to the panel	EN 15534-1:2014 Section 8.1 EN ISO 4892-2:2013 Cycle 1	/	After 2000 hours exposure ΔE*=0.72, Grey Scale 4-5 There was slight color change
	EN ISO 4892-2:2013 Cycle 1 EN 319:1993	/	After 2000 hours exposure Tensile Strength: > 3.44 N/mm²
Moisture resistance under cyclic test conditions	EN 15534-1:2014 Section 8.3.2 and 7.3.2 EN 15534-4:2014 Section 4.5.5.2	Decrease of bending strength, Mean ≤ 20% Max. ≤ 30 %	Original MOR: 45.0Mpa After exposure, Mean MOR: 45.1 Mpa Increase: 0.2% Min MOR: 43.6 Mpa Decrease: 3%
Moisture resistance under cyclic test conditions	Refer to EN 15534-1:2014 Section 8.3.2 and 8.3.1	/	Mean Swelling: 0.05% in thickness 0.01% in width 0.02% in length Max. Swelling: 0.05% in thickness 0.03% in width 0.03% in length Water absorption: Mean: 0.19% Max.: 0.23%
	Refer to EN 15534-1:2014 Section 8.3.2 and EN 319:1993	/	Tensile Strength: > 4.30 N/mm²
Boiling Test Swelling and water absorption	EN 15534-1:2014 Section 8.3.3 and 8.3.1 EN 15534-4:2014 Section 4.5.5.4	Water absorption in weight: Mean ≤ 7% Max. ≤ 9%	Water absorption in weight: Mean: 0.15% Max.: 0.16%

Test Items	Test Methods	Requirements	Results
Boiling Test Tensile Strength perpendicular to the panel	EN 15534-1:2014 Section 8.3.3 and 8.3.1	/	Mean Swelling: 1.12% in thickness 0.18% in width 0.13% in length Max. Swelling: 1.27% in thickness 0.21% in width 0.17% in length
	EN 15534-1:2014 Section 8.3.3 EN 319:1993	/	Tensile Strength: > 3.26 N/mm²
Swelling and water absorption (24 hours immersion)	EN 15534-1:2014 Section 8.3.1 EN 15534-4:2014 Section 4.5.5.3	Means swelling: ≤ 4% in thickness ≤ 0,8% in width ≤ 0,4% in length Max. swelling: ≤ 5% in thickness ≤ 1,2% in width ≤ 0,6% in length Water absorption: Mean ≤ 7% Max. ≤ 9%	Means swelling: 0.02% in thickness 0.001% in width 0.002% in length Max. swelling: 0.10% in thickness 0.01% in width 0.01% in length Water absorption: Mean 0.09% Max. 0.11%
Resistance against discolouring micro-fungi	EN 15534-1:2014 Section 8.5.5 ISO 16869:2008	/	Rating 0, no growth
Pb, Cu content	EN 71-3:2013	Limit (mg/kg)	Result (mg/kg)
		Copper (Cu): 7700	< 10
		Lead (Pb): 160	< 10
Linear thermal expansion	ASTM D696:2008e1	/	$39.3*10^{-6}$/°C
Formaldehyde	ASTM D6007:2014	/	Not detected