

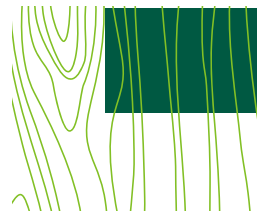
Technical data sheet

for Evolution composite deck boards

Physical property	Test method	Value
Linear mass	EN 15534-1: 2014, 6.5	3.80 kg/m
Dimensions	EN 15534-1: 2014, 6.6.2	23 x 138 mm (+ / - 1%)
Mechanical characteristics	Test method	Value
Resistance to indentation	EN 15534-1:2014 Section 7.5 EN 15534-4:2014 Section 4.5.7 EN 1534:2010	Brinell hardness: 79 MPa Rate of elastic recovery: 54%
Resistance to salt spray (NSS test)	EN 15534-4:2014 Section 4.5.7 EN 15534-1:2014 Section 8.6 EN ISO 9227:2017	Exposure time (h): 200 $\Delta L^* = 0.03$ $\Delta a^* = 0.08$ $\Delta b^* = 0.03$ $\Delta E^* = 0.09$ Grey Sale= 5
Linear thermal expansion coefficient (-20°C~80°C)	EN 15534-4:2014 Section 4.5.6 EN 15534-1:2014 Section 9.2	$40.1 \cdot 10^{-6} K^{-1}$
Slipperiness (Dynamic coefficient of friction)	EN 15534-4:2014 Section 4.4 EN 15534-1:2014 Section 6.4.4	Longitudinal direction: Mean: 0.43 Min.: 0.43 Horizontal direction: Mean: 0.51 Min.: 0.50
Flexural properties	EN 15534-4:2014 Section 4.5.2 EN 15534-1:2014 Annex A.5.2	Bending Strength: 32.6 MPa Modulus of elasticity: 4310 MPa
Durability	Test method	Value
Degree of chalking	EN 15534-4:2014 Section 4.5.7 EN 15534-1:2014 Section 10.1	After weathering test for 300 hours, there was no visual chalking on the surface.
Resistance to artificial weathering	EN 15534-4:2014 Section 4.5.5 EN 15534-1:2014 Section 8.1	After 300h exposure: $\Delta L^* = -0.68$ $\Delta a^* = 0.57$ $\Delta b^* = 1.04$ $\Delta E^* = 1.37$ Grey Sale= 4
Swelling and water absorption (28 days immersion)	EN 15534-1:2014 Section 8.3.1	Mean Swelling: 0.26 in thickness 0.05 in width 0.09 in length Max. Swelling: 0.39 in thickness 0.06 in width 0.14 in length Water absorption: Mean: 0.22 % Max.: 0.24 %

For more details

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