

Technical data sheet

for **Signature HD** composite deck boards

Physical property	Test method	Value
Linear mass	EN 15534-1: 2014, 6.5	3.35 kg/m
Dimensions	EN 15534-1: 2014, 6.6.2	25 x 136 mm (+/- 1%)
Deviation from straightness	EN 15534-1: 2014, 6.6.3	0.08 mm
Cupping	EN 15534-1: 2014, 6.6.4	0.25 mm

Mechanical characteristics	Test method	Value
Falling mass impact resistance	EN 15534-1: 2014, 7.1.2.1 (EN 477:1995)	1.18 mm
Ultimate tensile strength (UTS)	EN 15534-1: 2014, 7.2 (EN ISO 527-2)	12.60 MPa
Elastic modulus (MOE)	EN 15534-1: 2014, 7.3.2 (EN 310:1993)	1.85 GPa
Maximum stress (MOR)	EN 15534-1: 2014, 7.3.2 (EN 310:1993)	37.22 MPa
Deflection at 500N	EN 15534-1: 2014, 7.3.2 (EN 310:1993)	0.49 mm
Mid span point load	EN ISO 178	Refer to load span table

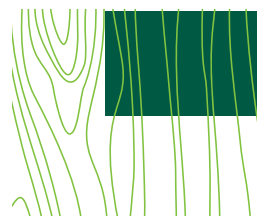
Durability	Test method	Value
Moisture resistance under cyclic test conditions	EN 15534-1: 2014, 8.3.2 (EN 321:2001)	Deflection at 500N = 0.64 mm
Swelling and water absorption	EN 15534-1: 2014, 8.3.1 (EN 317)	Thickness = 1.56% Width = 0.95% Length = 0% Weight = 0.47%

For more details

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