

Technical data sheet

for Evolution composite deck boards

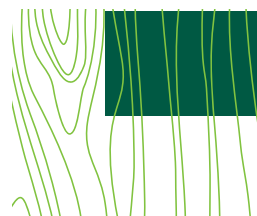
| Physical property | Test method | Value |
|-----------------------------|-------------------------|----------------------|
| Linear mass | EN 15534-1: 2014, 6.5 | 3.50 kg/m |
| Dimensions | EN 15534-1: 2014, 6.6.2 | 24 x 136 mm (+/- 2%) |
| Deviation from straightness | EN 15534-1: 2014, 6.6.3 | 0.08 mm |
| Cupping | EN 15534-1: 2014, 6.6.4 | 0.09 mm |

| Mechanical characteristics | Test method | Value |
|--------------------------------|---|--------------------|
| Falling mass impact resistance | EN 15534-1: 2014, 7.1.2.1 (EN 477:1995) | 0.18 mm |
| Elastic modulus (MOE) | EN 15534-1: 2014, Annex A (EN 310:1993) | 1.26 GPa |
| Maximum stress (MOR) | EN 15534-1: 2014, Annex A (EN 310:1993) | 16.32 MPa |
| Deflection at 500N | EN 15534-1: 2014, 7.3.2 (EN 310:1993) | 0.54 mm |
| Slip resistance (PTV) | DD CEN/TS 15676:2007 | DRY: 43 WET: 34 |
| Mid span point load | See load span table | |

| Durability | Test method | Value |
|--|---------------------------------------|---|
| Moisture resistance under cyclic test conditions | EN 15534-1: 2014, 8.3.2 (EN 321:2001) | 0.42 mm |
| Swelling and water absorption | EN 15534-1: 2014, 8.3 (EN 317) | Thickness = 3.68% Width = 0.08% Length = 0% Weight = 0.76% |

For more details

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