

HD DECK®



TECHNICAL SPECIFICATION

intertek
Total Quality. Assured.

For more information please visit our website
www.composite-prime.com



Composite Prime®
Natural Evolution

TECHNICAL SPECIFICATION



Test	Test Method	Test Description	HD DECK® DUAL	Requirements
Slip Resistance	EN 15534-1:2014 Section 6.4.2 CEN/TS 15676:2007 EN 15534-4:2014 Section 4.4	Pendulum Wet Longitudinal	Mean: 38 Min: 36	≥ 36
		Pendulum Wet Horizontal	Mean: 40 Min: 38	
	EN 15534-1:2014 Section 6.4.2 CEN/TS 15676:2007 EN 15534-4:2014 Section 4.4	Pendulum Dry Longitudinal	Mean: 67 Min: 66	≥ 36
		Pendulum Dry Horizontal	Mean: 79 Min: 78	
		DIN 51130:2014	Slip Resistance Oil-Wet Ramp Test	R10 12.8°
Flexural Properties (300mm)	EN 15534-1:2014 Annex A EN 15534-4:2014 Section 4.5.2	Bending Strength	25.7 MPa	-F' max: Mean ≥ 3300 N Min ≥ 3000 N
		Modulus of Elasticity	3.7 GPa	
		Maximum Load	Mean: 4179 N Min: 3836 N	
		Deflection	Mean: 0.61mm Max.: 0.71mm	- Deflection under a load of 500 N Mean ≤ 2.0mm Max.: ≤ 2.5mm
Tensile Properties	EN 15534-1:2014 Section 7.2 ISO 527-2:2012	Tensile Strength	Mean Value: 16.0 MPa	
Impact Resistance	EN 15534-1:2014 Section 7.1.2.1 EN 15534-4:2014 Section 4.5.1	Falling Mass Impact	Max Crack Length (mm): No Crack Max Residual Indentation (mm): 0.13	Pass
	EN 15534-1:2014 Section 7.1.1 ISO 179-1:2010	Charpy Impact Strength	Mean value: 3.4 kJ/m2	Method of Designation ISO 179-1/1fU
Fire	EN ISO 9239-1:2010	Critical Heat Flux	Fire Behaviour: D fl Smoke Production: s2	The classification has been carried out in accordance with EN 13501-1
	EN ISO 11925-2:2010 Exposure = 15 s	Ignitability		
Water Absorption	EN 15534-1:2014 Section 8.3.3 EN 15534-4:2014 Section 4.5.5	Boiling Test (5 hours)	Water Absorption in Weight: Mean: 1.5% Max: 1.6%	Means ≤ 7% Max. ≤ 9%
	EN 15534-1:2014 Section 8.3.1 EN 15534-4:2014 Section 4.5.5	28 Days Immersion	Mean Swelling: 0.65% in thickness 0.02% in width 0.06% in length	Mean Swelling: ≤ 4% in thickness ≤ 0.8% in width ≤ 0.4% in length
			Max Swelling: 0.82% in thickness 0.04% in width 0.09% in length	Max Swelling: ≤ 5% in thickness ≤ 1.2% in width ≤ 0.6% in length
			Water Absorption: Mean: 1.1% Max: 1.2%	Water Absorption: Means ≤ 7% Max. ≤ 9%
Density	EN 15534-1:2014 Section 6.2 ISO 1183-1:2012 Method A	Density	1.279 g/cm3	

These specifications represent the result of Intertek evaluation of HD Deck® Dual to the requirements of the standards listed above.

Oak

Walnut

Antique

Carbon

Board #1

Board #2

Board Dimensions:
22.5x143x3600mm



Wood Flour is
FSC® 100% Certified



DID YOU KNOW?

We recycle the equivalent of
3,000
bottle caps per square
metre of decking

We recycle the equivalent of
280
plastic milk bottles
per square metre of decking