

# HD DECK®



## TECHNICAL SPECIFICATION

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Total Quality. Assured.

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[www.composite-prime.com](http://www.composite-prime.com)



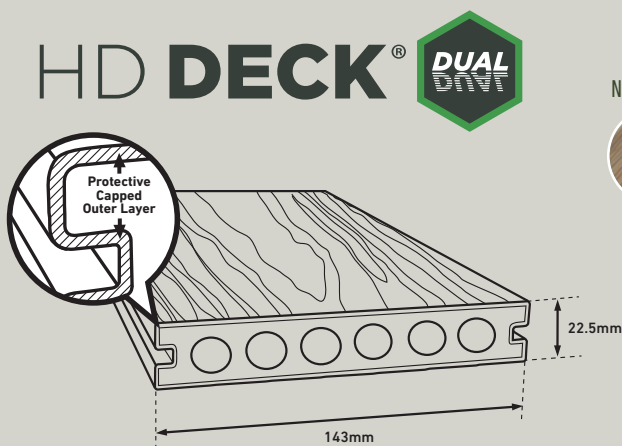
**Composite Prime®**  
Natural Evolution

# 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°	R9 = 6° < X ≤ 10° R10 = 10° < X ≤ 19° R11 = 19° < X ≤ 27° R12 = 27° < X ≤ 35° R13 = > 35°
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	
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/m <sup>2</sup>	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/cm <sup>3</sup>	

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



Board Dimensions: 22.5 x 143 x 3600mm



**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



The mark of responsible forestry