

HD DECK®



A Composite Prime Product

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Total Quality. Assured.

TECHNICAL SPECIFICATION

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 **Composite Prime®**
NATURAL EVOLUTION

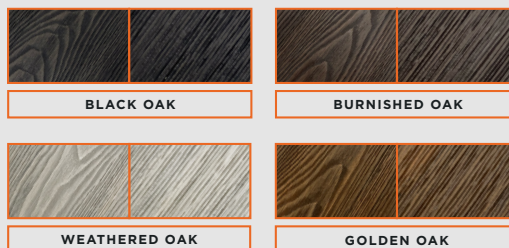
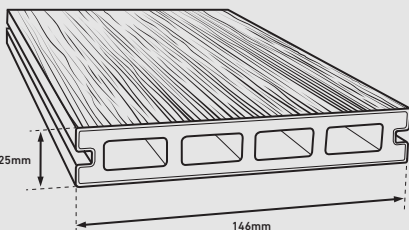
Test	Test Method	Test Description	HD DECK® 3D	Requirements
Slip Resistance	EN 15534-4:2014 Section 4.4 CEN/TS 15676:2007 EN 15534-1:2014 Section 6.4.2	Pendulum Wet Longitudinal	Mean: 34 Min: 30	≥ 36
		Pendulum Wet Horizontal	Mean: 37 Min: 34	
	EN 15534-1:2014 Section 6.4.2 CEN/TS 15676:2007 EN 15534-4:2014 Section 4.4	Pendulum Dry Longitudinal	Mean: 43 Min: 40	≥ 36
		Pendulum Dry Horizontal	Mean: 54 Min: 50	
	DIN 51130:2014	Slip Resistance Oil-Wet Ramp Test	R10 13.7°	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	35.3 MPa	-F' max: Mean ≥ 3300 N Min ≥ 3000 N
		Modulus of Elasticity	3438 MPa	
		Maximum Load	Mean: 5749 N Min: 4939 N	
		Deflection	Mean: 0.77mm Max.: 0.82mm	
Tensile Properties	EN 15534-1:2014 Section 7.2 ISO 527-2:2012	Tensile Strength	Mean Value: 24.8 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): 0.15	Pass
	EN 15534-1:2014 Section 7.1.1 ISO 179-1:2010	Charpy Impact Strength	Mean value: 9.5kJ/m ²	Method of Designation ISO 179-1/1fU
Fire	EN ISO 9239-1:2010	Critical Heat Flux	Fire Behaviour: C fl Smoke Production: s1	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: 2.05% Max: 2.08%	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: 0.98% in thickness 0.46% in width 0.03% in length	Mean Swelling: ≤ 4% in thickness ≤ 0.8% in width ≤ 0.4% in length
			Max Swelling: 1.63% in thickness 0.55% in width 0.04% in length	Max Swelling: ≤ 5% in thickness ≤ 1.2% in width ≤ 0.6% in length
			Water Absorption: Mean: 2.28% Max: 2.61%	Water Absorption: Means ≤ 7% Max. ≤ 9%
Density	EN 15534-1:2014 Section 6.2 ISO 1183-1:2012 Method A	Density	1.308 g/cm ³	



These specifications represent the result of Intertek evaluation of HD Deck® 3D to the requirements of the standards listed above.

COLOUR RANGE

Board Dimensions:
25 x 146 x 3600mm



NOTE: The initial colour

will change over the first 4-8 weeks after installation as the residue from the extrusion process is removed by natural exposure. After this initial adjustment, the board colour will stabilise.

