

# HD DECK<sup>®</sup>



## TECHNICAL SPECIFICATION

**intertek**  
Total Quality Assured.

For more information please visit our website  
[www.composite-prime.com](http://www.composite-prime.com)



# TECHNICAL SPECIFICATION

Test	Test Method	Test Description	HD DECK <sup>®</sup> PRO	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: 57 Min: 56	≥ 36
		Pendulum Wet Horizontal	Mean: 64 Min: 63	
	EN 15534-1:2014 Section 6.4.2 CEN/TS 15676:2007 EN 15534-4:2014 Section 4.4	Pendulum Dry Longitudinal	Mean: 73 Min: 72	
		Pendulum Dry Horizontal	Mean: 88 Min: 87	
	DIN 51130:2014	Slip Resistance Oil-Wet Ramp Test	R10 14.4°	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	33.1 MPa	-F' max: Mean ≥ 3300 N Min ≥ 3000 N
		Modulus of Elasticity	2957 MPa	
		Maximum Load	Mean: 6668 N Min: 6416 N	
		Deflection	Mean: 1.38mm Max.: 1.55mm	
Tensile Properties	EN 15534-1:2014 Section 7.2 ISO 527-2:2012	Tensile Strength	Mean Value: 14 MPa	
Internal bond of the substrate	EN 319:1993	Tensile Strength	Mean: 2.26 N/mm <sup>2</sup>	
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): 0.14	Pass
	EN 15534-1:2014 Section 7.1.1 ISO 179-1:2010	Charpy Impact Strength	Mean value: 4.15 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: 0.68% Max: 0.72%	Means ≤ 7% Max. ≤ 9%
		28 Days Immersion	Mean Swelling: 0.74% in thickness 0.24% in width 0.22% in length	Mean Swelling: ≤ 4% in thickness ≤ 0.8% in width ≤ 0.4% in length
			Max Swelling: 1.01% in thickness 0.35% in width 0.35% in length	Max Swelling: ≤ 5% in thickness ≤ 1.2% in width ≤ 0.6% in length
Density	EN 15534-1:2014 Section 6.2 ISO 1183-1:2012 Method A	Density	1.23 g/cm <sup>3</sup>	Water Absorption: Mean: 1.49% Max: 1.70%
				Water Absorption: Means ≤ 7% Max. ≤ 9%

These specifications represent the result of Intertek evaluation of HD Deck<sup>®</sup> Pro to the requirements of the standards listed above.

**HD DECK<sup>®</sup> pro**

**Board Dimensions:**  
22.5 x 200 x 3600mm

**Champagne**

**Oyster**

