HD DECK® 150

HD DECK® 150 FIRE

TECHNICAL SPECIFICATION

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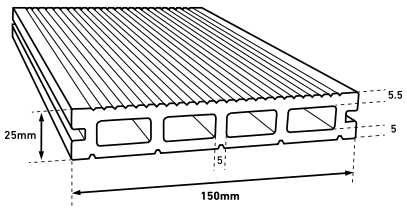
Test	Test Method	Test Description	HD DECK® 150	Requirements
Slip Resistance	EN 15534-1:2014 Section 6.4.2 CEN/TS 15676:2007 EN 15534-4:2014 Section 4.4	Pendulum Wet Longitudinal	**Mean: 42 Min: 40**	≥ 36
		Pendulum Wet Horizontal	**Mean: 40 Min: 38**	
	EN 15534-1:2014 Section 6.4.2 CEN/TS 15676:2007 EN 15534-4:2014 Section 4.4	Pendulum Dry Longitudinal	**Mean: 58 Min: 58**	≥ 36
		Pendulum Dry Horizontal	**Mean: 72 Min: 72**	
	DIN 51130:2014	Slip Resistance Oil-Wet Ramp Test	**R10 17.0°**	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	**24.7 MPa**	-F' max: Mean ≥ 3300 N Min ≥ 3000 N
		Modulus of Elasticity	**2.5 GPa**	
		Maximum Load	**Mean: 4820 N Min: 4649 N**	
		Deflection	**Mean: 0.80mm Max.: 0.93mm**	- 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: 21.2 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): 0.18**	Pass
	EN 15534-1:2014 Section 7.1.1 ISO 179-1:2010	Charpy Impact Strength	**Mean value: 6.8 kj/m2**	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: 2.1% Max: 2.5%**	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: 0.66% in thickness 0.02% in width 0.05% in length**	Mean Swelling: ≤ 4% in thickness ≤ 0.8% in width ≤ 0.4% in length
			Max Swelling: 0.86% in thickness 0.05% in width 0.08% in length	Max Swelling: ≤ 5% in thickness ≤ 1.2% in width ≤ 0.6% in length
			Water Absorption: Mean: 1.5% Max: 1.7%	Water Absorption: Means ≤ 7% Max. ≤ 9%
Density	EN 15534-1:2014 Section 6.2 ISO 1183-1:2012 Method A	Density	**1.239 g/cm3**	

Test	Test Method	Test Description	HD DECK® 150 FIRE	Requirements
Fire	EN ISO 9239-1:2010	Critical Heat Flux	**Fire Behaviour: B 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		

These specifications represent the result of Intertek evaluation of HD Deck® 150 to the requirements of the standards listed above.

HD DECK® 150

Board Dimensions:
25x150x3600mm



Lava Walnut Silver

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2
HDPE

Recycled Plastic

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

n.b. There will be a variation in colour between class C rated boards and class B rated boards.