HD DECK® XS
HD DECK® XS FIRE
TECHNICAL SPECIFICATION
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Natural Evolution

# TECHNICAL SPECIFICATION

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| Test | Test Method | Test Description | HD DECK® XS | Requirements |
|---|---|---|---|---|
| Slip Resistance | EN 15534-1:2014 Section 6.4.2<br>CEN/TS 15676:2007<br>EN 15534-4:2014 Section 4.4 | Pendulum Wet Longitudinal | **Mean: 44<br>Min: 42** | ≥ 36 |
| | | Pendulum Wet Horizontal | **Mean: 42<br>Min: 40** | |
| | EN 15534-1:2014 Section 6.4.2<br>CEN/TS 15676:2007<br>EN 15534-4:2014 Section 4.4 | Pendulum Dry Longitudinal | **Mean: 58<br>Min: 58** | ≥ 36 |
| | | Pendulum Dry Horizontal | **Mean: 73<br>Min: 72** | |
| | DIN 51130:2014 | Slip Resistance<br>Oil-Wet Ramp Test | **R11<br>19.9°** | R9 = 6°<X≤10°<br>R10 = 10°<X≤19°<br>R11 = 19°<X≤27°<br>R12 = 27°<X≤35°<br>R13 = >35° |
| Flexural Properties (300mm) | EN 15534-1:2014 Annex A<br>EN 15534-4:2014 Section 4.5.2 | Bending Strength | **43.2 MPa** | -F' max:<br>Mean ≥ 3300 N<br>Min ≥ 3000 N |
| | | Modulus of Elasticity | **3.8 GPa** | |
| | | Maximum Load | **Mean: 7940 N<br>Min: 7601 N** | |
| | | Deflection | **Mean: 0.77mm<br>Max.: 0.82mm** | - Deflection under a load of 500 N<br>Mean ≤ 2.0mm<br>Max.: ≤ 2.5mm |
| Tensile Properties | EN 15534-1:2014 Section 7.2<br>ISO 527-2:2012 | Tensile Strength | **Mean Value: 30.8 MPa** | |
| Impact Resistance | EN 15534-1:2014 Section 7.1.2.1<br>EN 15534-4:2014 Section 4.5.1 | Falling Mass Impact | **Max Crack Length (mm): No Crack<br>Max Residual Indentation (mm): 0.15** | Pass |
| | EN 15534-1:2014 Section 7.1.1<br>ISO 179-1:2010 | Charpy Impact Strength | **Mean value: 8.1 kj/m2** | Method of Designation<br>ISO 179-1/1fU |
| Fire | EN ISO 9239-1:2010 | Critical Heat Flux | **Fire Behaviour: C fl<br>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<br>EN 15534-4:2014 Section 4.5.5 | Boiling Test (5 hours) | **Water Absorption in Weight:<br>Mean: 2.0%<br>Max: 2.1%** | Means ≤ 7%<br>Max. ≤ 9% |
| | EN 15534-1:2014 Section 8.3.1<br>EN 15534-4:2014 Section 4.5.5 | 28 Days Immersion | **Mean Swelling:<br>1.06% in thickness<br>0.07% in width<br>0.08% in length** | Mean Swelling:<br>≤ 4% in thickness<br>≤ 0.8% in width<br>≤ 0.4% in length |
| | | | **Max Swelling:<br>1.17% in thickness<br>0.13% in width<br>0.11% in length** | Max Swelling:<br>≤ 5% in thickness<br>≤ 1.2% in width<br>≤ 0.6% in length |
| | | | **Water Absorption:<br>Mean: 2.8%<br>Max: 3.2%** | Water Absorption:<br>Means ≤ 7%<br>Max. ≤ 9% |
| Density | EN 15534-1:2014 Section 6.2<br>ISO 1183-1:2012 Method A | Density | **1.285 g/cm3** | |

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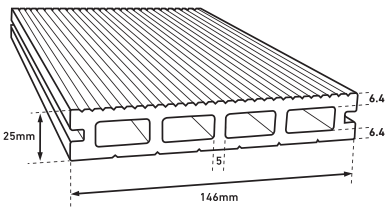
| Fire | EN ISO 9239-1:2010 | Critical Heat Flux | **Fire Behaviour: B fl<br>Smoke Production: s1** | The classification has been carried out in accordance with EN 13501-1 |
| | EN ISO 11925-2:2010 Exposure = 15 s | Ignitability | | |

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



Walnut | Silver | Lava | Slate (XS Fire only)

**Board Dimensions:**
25x146x3600mm

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2
HDPE

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## 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