

HD CLAD[®] PRO

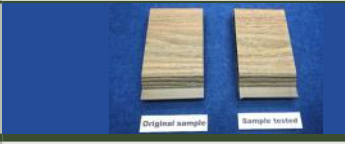
TECHNICAL SPECIFICATION

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TECHNICAL SPECIFICATION

Test	Test Method	Test Description	HD CLAD [®] PRO	Test Requirement
Flexural Properties (350mm)	EN 15534-1:2014 Annex A EN 15534-5:2014 Section 4.5.2	Bending strength	21.3 MPa	Deflection under a load of 250 N Mean $\leq$ 5.0 mm
		Modulus of elasticity	3563 MPa	
		Deflection at 250N:	Mean: 0.75 mm Max: 0.92 mm	
Flexural Properties (350mm) - I Trim	EN 15534-1:2014 Annex A EN 15534-5:2014 Section 4.5.6	Modulus of elasticity in bending	1531 MPa	
Moisture Resistance Under Cyclic Test Conditions	EN 15534-1:2014 Section 8.3.2 EN 15534-5: 2014 Section 4.5.4	Original bending strength	21.3 MPa	Deflection under a load of 250N Mean $\leq$ 6.0 mm
		After conditioned	Mean Bending Strength: 19.5 MPa Decrease: 8%	
		Deflection at 250N	Mean: 0.68mm Max: 0.97 mm	
Resistance to Artificial Weathering	EN ISO 4892-3:2016 Cycle 1	Light Source: UVA-340 The Exposure cycle: - 8 hours dry, Irradiance: 0.76 W/m ² /nm at 340 nm, Black-panel temperature: 60 °C $\pm$ 3 °C - 4 hours condensation, Irradiance: UV lamps off, Black-panel temperature: 50 °C $\pm$ 3 °C Test Duration: 300 hours	$\Delta L^* = -0.65$ $\Delta a^* = 0.13$ $\Delta b^* = -0.41$ $\Delta E^* = 0.90$ Grey scale = 4 - 5	
		Light Source: UVA-340 The Exposure cycle: - 8 hours dry, Irradiance: 0.76 W/m ² /nm at 340 nm, Black-panel temperature: 60 °C $\pm$ 3 °C - 4 hours condensation, Irradiance: UV lamps off, Black-panel temperature: 50 °C $\pm$ 3 °C Test Duration: 2000 hours	$\Delta L^* = 2.04$ $\Delta a^* = 0.12$ $\Delta b^* = -0.60$ $\Delta E^* = 2.13$ Grey scale = 3 - 4	
Degree of Chalking	EN 15534-1:2014 Section 10.1 EN 15534-5:2014 Section 4.5.6 EN ISO 4892-3:2016 Cycle 1	Weathering test for 2000 hours	After weathering test for 2000 hours, there was no visual chalking on surface	
Neutral Salt Spray Test	EN 15534-1:2014 Section 8.6 ISO 9227:2017 EN 15534-5:2014 Section 4.5.6	1. Solution: (50 $\pm$ 5) g/L NaCl 2. PH Value: 6.5-7.2 3. Test Duration: 500 hours Neutral salt spray test (500 Hours, PH Value: 6.5-7.2)	$\Delta L^* = -0.45$ $\Delta a^* = 0.16$ $\Delta b^* = 0.28$ $\Delta E^* = 0.56$ Grey scale = 4 - 5	
Screw Withdrawal (Trim)	EN 15534-1:2014 Section 7.6 EN 15534-5:2014 Section 4.5.6 EN 13446:2002	Screw withdrawal 4mm Shank Diameter	Withdrawal capacity: 25.8 N/mm ²	
Pull Through Resistance (I Trim)	EN 15534-5:2014 Section 4.5.6 EN 15534-1:2014 Section 7.7 EN 1383:2016		Resistance felt when pulling through a screw of 6mm head diameter through the hole. 15.5 N/mm ²	
Impact Resistance	EN 15534-1:2014 Section 7.1.2.2 EN 15534-5:2014 Section 4.5.1	Falling Mass Impact Falling mass was 500g Drop height was 1000mm	Max Crack Length (mm): No crack Max Residual Indentation (mm): 0.46	No more than 1 test specimen out of 10 test specimens shall show a failure

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Board Dimensions
22 x 136 x 3600mm



The diagram shows a side view of a wooden board. The thickness is indicated as 22 mm at the bottom left. The height is indicated as 136 mm on the left side. The length is indicated as 3600 mm at the bottom right. The board has a wavy grain pattern.

Cedar Brown



Cedar Grey



Slate



Carbon



Recycled Plastic



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responsible forestry**