DexEra EcoMost Collection Technical Sheet

Wood Composite Decking

Collection: EcoMost

Dimension: 0.91” x 5.43”

No.	Test Item	Test Method	Test Results	Remarks
1	Creep behavior	EN 15534-4:2014 Section 4.5.3 EN 15534-1:2014 Section 7.4.1	Span: 300 mm Mean ΔS: 2.53 mm Max ΔS: 2.73 mm Mean ΔSr: 1.76 mm	
2	Falling mass impact resistance	EN 15534-4:2014 Section 4.5.1 EN 15534-1:2014 Section 7.1.2.1	Max crack length: No crack Max residual indentation: 0.08 mm	
3	Flexural properties	EN 15534-4:2014 Section 4.5.2 EN 15534-1:2014 Annex A	Bending strength: 23.8 MPa Modulus of elasticity: 2120 MPa Maximum load: Mean – 4023 N Min – 3838 N Deflection at 500N: Mean 0.96mm Max 1.01mm	
4	Abrasion/ wear resistance	ASTM D4060-19	49.2 mg	Average value
5	Resistance to indentation	EN 15534-4:2014 Section 4.5.7 EN 15534-1:2014 Section 7.5	Brinell hardness: 57.6 MPa Rate of elastic recovery: 65.2%	

6	Moisture resistance under cyclic test conditions	EN 15534-4:2014 Section 4.5.5 EN 15534-1:2014 Section 8.3.2	Original bending strength: 23.8 MPa After exposure, Mean bending strength: 22.4 MPa Decrease: 5.9 % Min bending strength: Decrease: 11.1 %	
7	Slipperiness	EN 15534-4:2014 Section 4.4 EN 15534-1:2014 Section 6.4.2 CEN/TS 15676:2007	Dry surface: Longitudinal – 81 Horizontal – 85 Wet surface: Longitudinal – 41 Horizontal – 43	Mean pendulum value
8	Swelling and water absorption (28 days immersion)	EN 15534-4:2014 Section 4.5.5 EN 15534-1:2014 Section 8.3.1	Mean Swelling: 0.29% in thickness 0.05% in width 0.18% in length Max swelling: 0.47% in thickness 0.09% in width 0.21 in length Water absorption: Mean: 0.22 % Max: 0.27 %	
9	Tensile strength perpendicular to the plane of the board	EN 319:1993	4.93 N/mm2	Mean value
10	Swelling and water absorption (24 hours immersion)	EN 15534-4:2014 Section 4.5.5 EN 15534-1:2014 Section 8.3.1	Mean swelling: 0.06% in thickness 0.01% in width 0.03% in length Max swelling: 0.11% in thickness 0.03% in width 0.06% in length Water absorption: Mean: 0.02% Max: 0.05%	