

DexEra LifeMax Collection Technical Sheet



Wood Composite Decking
Collection: LifeMax
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 : 2.82 mm Max ΔS : 2.86 mm Mean ΔSr : 2.15 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: 0.09mm	
3	Flexural properties	EN 15534-4:2014 Section 4.5.2 EN 15534-1:2014 Annex A	Bending Strength: 25.5 MPa Modulus of elasticity: 2327 MPa Maximum load: Mean: 4313 N Min: 3862 N Deflection at 500N: Mean: 0.91 mm Max: 1.00 mm	
4	Abrasion/wear resistance	ASTM D4060-19	48 mg	Average value
5	Resistance to indentation	EN 15534-4:2014 Section 4.5.7 EN 15534-1:2014 Section 7.5	Brinell hardness: 58.9 MPa Rate of elastic recovery: 63.3%	

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: 25.5MPa After exposure, Mean bending strength: 24.2MPa Decrease: 5.3 % Min bending strength: Decrease: 13.4 %	
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 – 86 Wet surface: Longitudinal – 42 Horizontal – 42	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: 0.21% in thickness 0.04% in width 0.13% in length Max swelling: 0.40% in thickness 0.06% in width 0.15 in length Water absorption: Mean: 0.20 % Max: 0.23 %	
9	Tensile strength perpendicular to the plane of the board	EN 319:1993	5.05 N/mm ²	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: 0.04% in thickness 0.01% in width 0.02% in length Max swelling: 0.09% in thickness 0.02% in width 0.04% in length Water absorption: Mean: 0.01% Max: 0.02%	