

Technical Specification of TimbeX Deck

TimbeX™



Item:	TimbeX Deck				
Code:	BX01				
Measurements:	200x29x3660mm				
Weight per board:	15kg				
Test Item	Test Method	Result(s)			Test Condition
Slip Resistance	EN 15534-1:2004+A1:2017(E)&CEN/TS 15676:2007(E)	Dry	Length	70	Test rubber: Slider 55 (Simulating barefoot walking)
			Width	51	
		Wet	Length	54	
			Width	42	
Swelling and water absorption	EN 15534-1:2014+A1:2017 Clause 8.3.1	Water absorption	3.3		28 days. Immersion into water at a temperature of (20±2) °C
		Swelling (%)	Length	0.5	
			Width	0.1	
			Thickness	0.7	
Creep behavior (known span in use)	refer to clause 7.4.1 of EN 15534-1: 2014+A1: 2017(E) and clause 4.5.3 of EN 15534-4: 2014	Mean value of ΔS = 0,56 mm Maximum value of ΔS = 0,59 mm Mean value of ΔSr = 0,54 mm Verdict: Pass			Span: 550 mm (Required by client) Test condition: 23±2 °C, 50±10% RH Load: 1000N Loading duration: 504h Recovering duration: 24h
Aging Test	ISO 4892-3:2024 Cycle 1 & ISO 105-A02:1993/Cor.2:2005	Grey scale: 4-5			Lamp type: UVA-340. Exposure duration: 3000 hours
Moisture-resistance-Boiling test	EN 15534-1:2014 Clause 8.3.	Water absorption (%)		2.9	1. Test condition ① Immersion in boiling water, 5h ② After 5h storage in boiling water, immediately immersed in cold water at (20±2) °C, 15min
		Arithmetic mean value			
		Maximum individual mean value		3.1	2. Test environment 23.3 °C, 53% RH
Bending resistance	EN 15534-1:2004+A1:2017(E) Clause 7.3.2 & Annex A	Bending strength (Mpa): 24.31			Test Span: 600mm
		Modulus of elasticity (Mpa): 3540			Test rate: 22mm/min
Mean coefficient of Linear Thermal Expansion	EN 15534-1:2004+A1:2017(E) Section 9.2 & ISO 11359-2:2021	4×10 ⁻⁶ K ⁻¹			/
Abrasion Resistance	ASTM D4060-19	Mass loss: 20.05mg			Load: 500g/whell (Total 1000 g) Wheel: CS-17 Cycle: 2000 r
Pull through resistance	EN 15534-1:2004+A1:2017(E) Clause 7.7& EN1383:2016(E)	Board surface(N): 2915 Pullthrough parameter (N/mm2): 116.6			/
Determination of withdrawal capacity of fasteners	EN 15534-1:2004+A1:2017(E) Clause7.6 & EN 13446:2002(E)	21.1N/mm2			/
Falling Mass Impact Resistance	EN 15534-1:2004+A1:2017(E) Clause7.1.2.1 & EN 477:2018(E)	No visible cracks			Diameter of steel ball: (25±0.5)mm Weight of steel ball: (1000±5)g Drop height: 700mm Support distance: (200±1.0)mm
CE certification	Yes	/			/
FSC certification	Yes	/			/
Moisture Content	ASTM D1037-12(R2020) Clause 8.4	1.70%			Samples under condition of (103±2) °C drying to constant weight
Density	EN 15534-1:2004+A1:2017(E) Clause 6.2 and ISO 1183-1:2019(E) Method A	813kg/m3			/

Marine Teak



Charcoal



Honey Maple



Dark Walnut



Red Oak



White Oak

