

TECHNICAL FILE TWINSON

application: P9369

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version: v1



		EN 15534-1	based on	specific property	unit	value		
MATERIAL CHARACTERISTICS COEX	physical properties	density	§ 6.2	ISO 1183-1/A		kg/dm ³ 1.41 ± 0.05		
	durability	resistance to termites	§ 8.4	EN 117		class 1		
		resistance against basidiomycetes	§ 8.5.2	ENV 12038		class 1		
		resistance against soil inhabiting soft rotting micro-fungi	§ 8.5.3	CEN/TS 15083-2		class 1		
PRODUCT RELATED CHARACTERISTICS	physical properties	slip resistance	---	DIN 51130	riffled surface	class R10		
			---	DIN 51130	wood structure	class R11		
	mechanical properties	flexural properties (Lv=50 cm)	§ 7.3.2	EN 310	flexural modulus	MPa	6000 ± 10%	
					bending strength	MPa	> 40	
	durability	natural weathering (1 year Bandal)			bending strength retention	%	< 20	
					cyclic conditions (Lv=50 cm)	§ 8.3.2	EN 321	bending strength retention
		thermal properties	boiling test	§ 8.3.3	ISO 1087-1	mass increase	%	< 4
						heat reversion	§ 9.3	EN 479
	burning behaviour	single flame source	§ 9.6.1	ISO 11925-2	classification EN 13501-1	class	Cfl s1	
					radiant heat source	§ 9.6.3		ISO 9239-1
		linear thermal expansion (-20 °C ... +60°C)	§ 9.2	ISO 11359-2	length direction	10 ⁻⁶ m ⁻¹ K ⁻¹	20 - 25	
		heat build-up	§ 9.4	ASTM D4803		°C	< 45	

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