

TECHNICAL FILE TWINSON

application: O-Wall
P9596

date: 24/06/2019



		EN 15534-1	based on	specific property	unit	value	
MATERIAL CHARACTERISTICS	physical properties	density	§ 6.2	ISO 1183-1/A		kg/dm ³	1.42 ± 0.05
	mechanical properties	flexural properties	§ 7.3.1	ISO 178	flexural modulus	MPa	5000 ± 10%
					bending strength	MPa	> 55
	durability	swelling and water absorption (28 days)	§ 8.3.1	EN 317	mass increase	%	< 8
		resistance to termites	§ 8.4	EN 117		class	1
		resistance against basidiomycetes	§ 8.5.2	ENV 12038		class	1
		resistance against soft rotting micro-fungi	§ 8.5.3	CEN/TS 15083-2		class	1
	thermal properties	linear thermal expansion (-20 °C ... +60°C)	§ 9.2	ISO 11359-2	length direction	10 ⁻⁶ K ⁻¹	20 - 25
oxygen index		§ 10.1	ISO 4589-2		%	> 20	
PRODUCT RELATED CHARACTERISTICS	durability	natural weathering (1 year Bandol)			bending strength retention	%	< 20
		boiling test	§ 8.3.3	ISO 1087-1	mass increase	%	< 8
	thermal properties	heat reversion	§ 9.3	EN 479		%	< 0.2

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