

TECHNICAL FILE TWINSON

application: O-Terrace
P9313

date: 24/06/2019
Version: v2

deceuninck

		prEN 15534-1	based on	specific property	unit	value	
MATERIAL CHARACTERISTICS	physical properties	density	§ 6.1	ISO 1183-1/A		kg/dm ³ 1.41 ± 0.05	
		vicat softening point	---	ISO 306/B50		°C 84 ± 2	
	mechanical properties	flexural properties	§ 7.3.1	ISO 178	flexural modulus	MPa	5500 ± 10%
					bending strength	MPa	> 55
	durability	swelling and moisture absorption (28 days)	§ 8.3.1	EN 317	mass increase	%	< 8
		resistance to termites	§ 8.4.2	EN 117		class	1
		resistance against basidiomycetes	§ 8.4.3.2	ENV 12038		class	1
		resistance against soil inhabiting soft rotting micro-fungi	§ 8.4.3.3	CEN/TS 15083-2		class	1
	thermal properties	linear thermal expansion (-20 °C ... +60°C)	§ 9.1	ISO 11359-2	length direction	10 ⁻⁶ m ⁻¹ K ⁻¹	20 - 25
	burning behaviour	oxygen index	§ 10.1	ISO 4589-2		%	> 20
PRODUCT RELATED CHARACTERISTICS	physical properties	slip resistance	§ 6.4	DIN 51097	bare foot ramp test	class	C
			---	EN 13893	Floor slider 2000	---	> 0.4
			---	CEN/TS 15676	pendulum	USRV	> 36
			---	DIN 51130	rubber sole ramp test	class	R12
	mechanical properties	impact resistance	§ 7.1.2.1	EN 477	falling mass	J	6 - 7
					flexural properties (Lv=50 cm)	§ 7.3.2	EN 310
		creep behaviour (Lv=50 cm/85kg/50°C/ 7 days)	§ 7.4.2.1	EN 310	bending strength	MPa	> 40
					additional bending	mm	< 10
	durability	natural weathering (1 year Bandol)	§ 8.2	ISO 877-2	bending strength retention	%	< 20
		cyclic conditions (Lv=50 cm)	§ 8.3.2	EN 321	bending strength retention	%	< 20
		boiling test	§ 8.3.3	ISO 1087-1	mass increase	%	< 8
	thermal properties	heat reversion	§ 9.2	EN 479		%	< 0.2
		heat build-up	§ 9.3	ASTM D4083		°C	< 45

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