

**TECHNICAL FILE**

application standard shiplap 150 date: P2750

24/06/2019



		EN 13245-2:2008/AC: 2009	EN 13245-3: 2010	based on	specific property	unit	value	
MATERIAL CHARACTERISTICS	physical properties	density (co-extruded profile); not foiled	---	---	ISO 1183-1/A	kg/dm <sup>3</sup>	0,90 ± 0,05	
	mechanical properties	modulus of elasticity in flexure (co-extruded profile); not foiled	---	§ 5.1	ISO 178	flexural modulus	MPa	≥ 1500 (Code 15)
	thermal properties	linear thermal expansion (-20 °C ... +60°C)	---	---	internal test method		mm/m.°C	0,05
vicat softening point (hard PVC-U top layer)		---	---	ISO 306/B50		°C	≥ 75	
PRODUCT CHARACTERISTICS	mechanical properties	impact resistance (23 °C)	§ 4.3	§ 5.4	EN 477 / EN 13245-3:2010 Annex B	falling mass	(T, J)	(23, 20)
	durability	artificial weathering (2 GJ/m <sup>2</sup> ; 300-800 nm)	§ 4.4	§ 5.5	EN 513 method 1	charpy impact strength retention	%	≥ 50
		artificial weathering (8 GJ/m <sup>2</sup> ; 300-800 nm)	---	---	EN 513 method 1	code	class	A.2
		artificial weathering (8 GJ/m <sup>2</sup> ; 300-800 nm)	---	---	EN 513 method 1	change in colour; grey scale ISO 105/A03; cleaned surface	grade	2/3 (mass colour); 4 (foil); 3 (Decoroc)
		artificial weathering (8 GJ/m <sup>2</sup> ; 300-800 nm)	---	§ 5.5/6.1	EN 513 method 1	adhesion coating (resistance to cross cut)	class	0
	thermal properties	artificial weathering (8 GJ/m <sup>2</sup> ; 300-800 nm)	---	§ 5.5/6.4	EN 513 method 1	adhesion foil (peel strength)	N/mm	≥ 2
		heat reversion (75 °C)	---	§ 5.3	EN 479		%	≤ 1 (Code 1)
		thermal resistance	---	§ 6.2	EN 478	24 h / 70 °C (only applicable for foil, coating)		no bubbles, blistering, cracking or delamination
		single flame source	§ 4.1	---	ISO 11925-2	classification EN 13501-1	class	E
single burning item	§ 4.1	---	EN 13823	classification EN 13501-1	class	---		

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