

TECHNICAL FILE

application: Roofline
cellular PVC

date: 14/01/2025
version: v3



		EN 13245-3:2010	based on	specific property	unit	value	
MATERIAL CHARACTERISTICS	physical properties	density (co-extruded profile)	---	ISO 1183-1/A		kg/dm ³ 0,4 - 0,6	
	mechanical properties	bending strength	---	ISO 178		MPa ≥ 20	
		modulus of elasticity in flexure (co-extruded profile)	§ 5.1	ISO 178	flexural modulus	MPa	≥ 1000 (Code 10)
	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)	§ 5.4	EN 477 / EN 13245-3:2010 Annex B	falling mass	(T, J) (23, 15)	
	durability	artificial weathering (8 GJ/m ² ; 300-800 nm)	---	EN 513 method 1	change in colour; grey scale ISO 105/A03; cleaned surface	grade	2/3 (mass light colour); 4 (foil); 3 (Decoroc)
		artificial weathering (8 GJ/m ² ; 300-800 nm)	§ 5.5/6.1	EN 513 method 1	adhesion coating (resistance to cross cut)	class	0
		artificial weathering (8 GJ/m ² ; 300-800 nm)	§ 5.5/6.4	EN 513 method 1	adhesion foil (peel stength)	N/mm	≥ 2
	thermal properties	heat reversion (75 °C)	§ 5.3	EN 479		%	≤ 1 (Code 1; mass coloured)
		single flame source	---	ISO 11925-2	classification EN 13501-1	class	E
single burning item		---	EN 13823	classification EN 13501-1	class	---	

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