

**TECHNICAL FILE**

application: Roofline cellular PVC

date: 15/09/2020  
version: 2



		EN 13245-3:2010	based on	specific property	unit	value	
MATERIAL CHARACTERISTICS	physical properties	density (co-extruded profile)	---	ISO 1183-1/A		kg/dm <sup>3</sup> 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 <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
		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
	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	---
		single burning item	---	EN 13823	classification EN 13501-1	class	---

*The test results relate only to a sample used by the Deceuninck laboratories. Whilst the Deceuninck laboratories warrant that their tests will meet their applicable declared specifications, the Deceuninck laboratories make no other warranty, expressed or implied and accept no responsibility or liability in respect of false results which are within the limits of the declared specifications of the tests offered. No representation or warranty is given by Deceuninck or any of its officers or employees as to the accuracy of any test methods or test results. Neither Deceuninck nor any of its officers or employees shall have any liability or responsibility in respect of any laboratory or the accuracy of any test methods, test results or reports produced by any Deceuninck laboratory.*