

Polyfin® FPO/PE
Structural Waterproofing

Product Data Sheet according to DIN EN 13967



06
1213-CPR-018

Technical Specification to DIN EN 13967	Product Description	
	Material: Flexible Polyolefines (FPO/PE)	
Polyfin® FCM 4012 v		
Areas of Application		
Sealing as moisture barrier Type A		✓
Sealing as groundwater barrier Type T		✓
Composition	FPO membrane with central glass fleece reinforcement and Polypropylene (PP) fleece lamination	
Techn. Features		
Length ¹⁾ to DIN EN 1848-2		20 m
Width to DIN EN 1848-2		1500 mm ²⁾
Weight per m ² DIN EN 1849-2		1320 g/m ²
Effective thickness		1.2 mm
Reaction to fire to DIN EN 13501-1		Class E
Water vapour diffusion resistance factor to DIN EN 1931		90.000 (Method B)
Tensile strength to DIN EN 12311-2		≥ 450 N/50mm (Method A)
Elongation to DIN EN 12311-2		≥ 50 % (Method A)
Joint peel resistance to EN 12316-2 (hot air welded)	DIN	≥ 400 N/50mm
Joint shear resistance to EN 12317-2 (hot air welded)	DIN	≥ 500 N/50mm
Resistance to impact to DIN EN 12691		
Rigid substrate		≥ 300 mm (Method A)
Flexible substrate		≥ 1500 mm (Method B)
Resistance to static load to DIN EN 12730		> 20 kg (Method A/B)
Tear resistance to DIN EN 12310-2		≥ 150 N
Resistance to root penetration to DIN EN 13948		NPD (no performance determined) (betrifft die 1,2 mm Bahn!)
Dimensional stability to DIN EN 1107-2		≤ 0,3 %
Foldability at low temperatures to DIN EN 495-5		≤ -40 °C
Chemical resistance to DIN EN 1847 (Annex C)		passed
Durability of water tightness with simulated ageing to DIN EN 1296 und 1928		passed (Method B)
Exposure to bitumen to DIN EN 1548		passed
Water thightness to DIN EN 1928		≥ 500 kPa (Method B)
Colour		Standard colour: light grey

¹⁾ Special lengths on request

²⁾ With one- or double-sided fleece-free selfedge

* Meets demands for roof constructions tested by Polyfin AG

Details on tested roof constructions available at manufacturer.

The information given in our technical data sheets is based on the current knowledge and experience. There is no claim for completeness. The suitability for the correct application is secured by the applicator. Preliminary tests are recommended. The technical features can vary within the quoted tolerances. Our current general business terms are valid.

Technical Data Sheet