

**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® 3016	Polyfin® 3018	Polyfin® 3020
<b>Areas of Application</b>			
Sealing as moisture barrier Type A	✓	✓	✓
Sealing as groundwater barrier Type T	✓	✓	✓
<b>Composition</b>	central glass fleece	central glass fleece	central glass fleece
<b>Techn. Features</b>			
Length to DIN EN 1848-2	20 m <sup>1)</sup>	20 m <sup>1)</sup>	20 m <sup>1)</sup>
Width to DIN EN 1848-2	2100/1500/1050/750/ 500/350/250 mm	2100/1500/1050/750/ 500/350/250 mm	2100/1500/1050/750/ 500/350/250 mm
Actual Thickness to DIN EN 1849-2	1,6 mm	1,8 mm	2,0 mm
Reaction to fire to DIN EN 13501-1	Class E	Class E	Class E
Water vapour diffusion resistance factor to DIN EN 1931	90.000 (Method B)	90.000 (Method B)	90.000 (Method B)
Tensile strength to DIN EN 12311-2	≥ 7 N/mm <sup>2</sup> (Method B)	≥ 7 N/mm <sup>2</sup> (Method B)	≥ 7 N/mm <sup>2</sup> (Method B)
Elongation to DIN EN 12311-2	≥ 500 % (Method B)	≥ 500 % (Method B)	≥ 500 % (Method B)
Joint shear resistance to DIN EN 12317-2	≥ 500 N/50mm	≥ 500 N/50mm	≥ 500 N/50mm
Resistance to impact to DIN EN 12691 <i>Rigid substrate</i> <i>Flexible substrate</i>	≥ 500 mm (Method A) ≥ 2000 mm (Method B)	≥ 550 mm (Method A) ≥ 2000 mm (Method B)	≥ 750 mm (Method A) ≥ 2000 mm (Method B)
Resistance to static load to DIN EN 12730	> 20 kg (Method A/B)	> 20 kg (Method A/B)	> 20 kg (Method A/B)
Tear resistance to DIN EN 12310-1	≥ 150 N	≥ 200 N	≥ 350 N
Resistance to root penetration to DIN EN 13948	passed	passed	passed
Dimensional stability to DIN EN 1107-2	≤ 0,3 %	≤ 0,3 %	≤ 0,5 %
Foldability at low temperatures to DIN EN 495-5	≤ -50 °C	≤ -50 °C	≤ -50 °C
Chemical resistance to DIN EN 1847 (Annex C)	passed	passed	passed
Durability of water tightness with simulated ageing to DIN EN 1296 und 1928	passed (Method B)	passed (Method B)	passed (Method B)
Exposure to bitumen to DIN EN 1548	passed	passed	passed
Water tightness to DIN EN 1928	≥ 500 kPa (Method B)	≥ 500 kPa (Method B)	≥ 500 kPa (Method B)
Colour	Standard colour: light grey <sup>2)</sup>		

<sup>1)</sup> Special lengths on request

<sup>2)</sup> Further colours on request

Storage: Rolls must be stored horizontal and dry and protected from heat and direct sunlight. Do not stack pallets.

The information given in our technical data sheets is based on the current knowledge and experience. The suitability for the correct application has to be secured by the user. Application has to be done according to our installation guide. The technical features can vary within the quoted tolerances. Our current general business terms are valid.