

**Polyfin® FPO/TPO**  
**Roof Waterproofing Membranes**

Product Data Sheet according to DIN EN 13956



06  
1213-CPR-019

Specification to DIN EN 13956	Product Description Material: Flexible Polyolefines (FPO/PE)
<b>Areas of Application</b>	<b>Polyfin® 4230</b>
Loose laid under gravel or other ballasts	✓
Mechanically fixed	✓
Strip or full surface bonding	✓
<b>Techn. Features</b>	central glass fleece, with non-woven fabric backing
Length to DIN EN 1848-2	15 m <sup>1)</sup>
Width to DIN EN 1848-2	1500 mm
Actual Thickness to DIN EN 1849-2	2.0 mm
External fire performance to DIN EN 13501-5	B <sub>ROOF</sub> (t1) *
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	≥ 1000 N/50mm (Method A)
Elongation to DIN EN 12311-2	≥ 50 % (Method A)
Joint peel resistance to DIN EN 12316-2	≥ 500 N/50mm
Joint shear resistance to DIN EN 12317-2	≥ 500 N/50mm
Resistance to impact to DIN EN 12691 <i>Rigid substrate</i> <i>Flexible substrate</i>	≥ 1000 mm (Method A) ≥ 2000 mm (Method B)
Resistance to static load to DIN EN 12730	> 20 kg (Method A/B)
Hail resistance to DIN EN 13583 <i>Rigid substrate</i> <i>Flexible substrate</i>	≥ 25 m/s ≥ 40 m/s
Tear resistance to DIN EN 12310-2	≥ 350 N
Resistance to root penetration to DIN EN 13948	passed
Dimensional stability to DIN EN 1107-2	≤ 0,3 %
UV radiation to DIN EN 1297 (>5000 h)	passed (grade 0)
Foldability at low temperatures to DIN EN 495-5	≤ -40 °C
Chemical resistance to DIN EN 1847 (Annex C)	passed
Exposure to bitumen to DIN EN 1548	passed
Water thightness to DIN EN 1928	≥ 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

\* Meets demands for roof constructions tested by Polyfin AG. Details on tested roof constructions available at manufacturer

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.