



## PROTAN FG

### Product Description:

Protan FG 1,5mm is a synthetic FPO/TPO roof and waterproofing membrane made of Flexible Polyolefines with a central glass fleece.

### Application Areas:

Protan FG 1,5mm is used on both exposed roof surfaces and as protected membrane. The membrane can be mechanically fastened to the load bearing substrate or loose laid under gravel or other ballast.

### Characteristics / Benefits:

- The membrane has a white surface which provides his reflectivity.
- The membrane is welded together using hot air which provides a homogenous joint.
- Hot air welding – no solvents are needed for preparing the welds.
- No extra sealing of the joints required.
- Bitumen and Polystyrene compatible.
- Protan FG roofing membrane can be recycled and has a low carbon footprint.

**Table 1: Product properties**

PROPERTY	VALUE	UNIT	EN 13956 - TEST METHOD	
Thickness	1.5	mm	EN1849-2	
Mass pr. unit area	1,7	Kg/m <sup>2</sup>	EN1849-2	
External fire performance	B <sub>ROOF</sub> (t1) <sup>1)</sup>		ENV1187, EN 13501-5	
Reaction to fire	Class E		EN 13501-1	
Water vapour resistance	120.000	μ	EN 1931 (Method B)	
Tensile strength L/T	≥ 5	N/mm <sup>2</sup>	EN 12311-2 (Method B)	
Elongation L/T	≥300	%	EN 12316-2 (Method B)	
Joint peel resistance	≥ 300	N/50mm	EN 12316-2	
Joint shear resistance	≥ 400	N/50mm	EN 12317-2	
Puncture by impact:	Rigid substrate	≥ 600	mm	EN 12691 (Method A)
	Flexible substrate	≥ 1500	mm	EN 12691 (Method B)
Resistance to static load	> 20	kg	EN 12730 (Method A/B)	
Hail resistance:	Rigid substrate	≥ 23	m/s	EN 13583
	Flexible substrate	≥ 30	m/s	EN 13583
Tear resistance	≥ 150	N	EN 12310-2	
Dimensional stability	≤ 0,3	%	EN 1107-2	
UV radiation	Pass (>5000 h)	h	EN 1297	
Foldability at low temperature	≤ -40	°C	EN 495-5	
Chemical resistance	Passed		EN 1847 (Annex C)	
Exposure to bitumen	Passed		EN 1548	
Water tightness	≥ 500	kPa	EN 1928 (Method B)	

<sup>1)</sup> Meets demands for roof constructions tested. Details on tested roof constructions available at Protan AS

### Colours:

UPPER SURFACE:	White
UNDER SIDE	Black

### Dimensions / packaging: Protan FG1.5

Width: 1500mm / 750mm

Length: 20m<sup>1)</sup>

<sup>1)</sup> Other widths and lengths can be delivered to order.

### Storage:

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