

Fatra Ekoplan Reinforced PVC Membrane

Product Description

Fatra Ekoplan Reinforced PVC membrane, part of the FF810 family of membranes, is a robust and durable 1.2mm thick PVC membrane that contains a polyester grid reinforcement. Fatra Ekoplan membrane is produced by a multi-extrusion process and contains 50% recycled content making it one of the most eco-friendly membranes available.

Fatra Ekoplan membrane is also resistant to UV radiation and can be left exposed to weathering influences.

Guarantee

Fatra Ekoplan membrane carries a 20 year warranty.

Typical Characteristics

Ekoplan PVC membrane	
Reference	Ekoplan
Roll width	2m
Roll length	100m
Thickness	1.2mm
Area	200m ²
Colour	Light grey
Guarantee	20 years

Packing, Transport & Storage

Fatra Ekoplan membrane is delivered to site in polyethylene-wrapped rolls, each clearly labelled with product and manufacturer details. Fatra Ekoplan membrane must be kept covered during transportation and stored in its original sealed packaging. The recommended storage temperature is from -5°C to +30°C. The rolls should be stored horizontally on a clean, dry & level surface and kept under cover until required.

Technical Characteristics

Ekoplan PVC membrane			
Characteristic		Test Standard	Value
Visible Defects		EN 1850-2	Meets
Straightness		EN 1848-2	≤ 50 mm
Flatness		EN 1848-2	≤ 10 mm
Dimensional stability		EN 1107-2	Max. ± 0.5 %
Maximum tensile force	MD	EN 12311-2 Method A	≥ 1000 N/50 mm
	CD		≥ 1000 N/50 mm
Elongation at maximum tensile force	MD		≥ 15 %
	CD		≥ 15 %
Tear resistance	MD	EN 12310-2	≥ 180 N
	CD		≥ 180 N
Foldability at low temperature		EN 495-5	≤ -10 °C
Joint peel resistance	MD	EN 12316-2	≥ 200 N/50 mm
	CD		≥ 200 N/50 mm
Joint shear resistance	MD	EN 12317-2	≥ 800 N/50 mm
	CD		≥ 800 N/50 mm
Water tightness 400 kPa		EN 1928 Method B	Meets
Resistance to static load		EN 12730 Method B	Meets 20 kg
Reaction to fire		EN 13501-1	Class E
Impact resistance		EN 12691 Method A	Meets 1000 mm
		EN 12691 Method B	Meets 1500 mm
Exposure to UV radiation, elevated temperature and water		EN 1297	Meets, grade 0
Water vapour properties, factor μ		EN 1931	15000 ± 5000

MD: Machine Direction, CD: Cross Direction

Health & Safety

Ekoplan membrane does not constitute a hazard under the COSHH Regulations under normal conditions of use.

Waste Disposal

Ekoplan membrane can be disposed of in accordance with local regulations. The clean waste material can be recycled. Any contaminated waste must be disposed of in accordance with local regulations.

Related documentation

- *Construction and technologic regulation of roofing waterproofing system FATRAFOL-S (PN 5415/2011)*
- *Manufacturing control system certificate No. 1390-CPD-0161/11/Z of waterproofing membrane EKOPLAN 819/V according to Standard ČSN EN 13956:2006/AC:2006, emitted by CSI, a. s., Prague, workstation Zlín*
- *Installation Manual of Roofing Waterproofing System FATRAFOL-S*
- *Certificate EN ISO 9001 and EN ISO 14001 No. PRA 0003830, by LRQA*