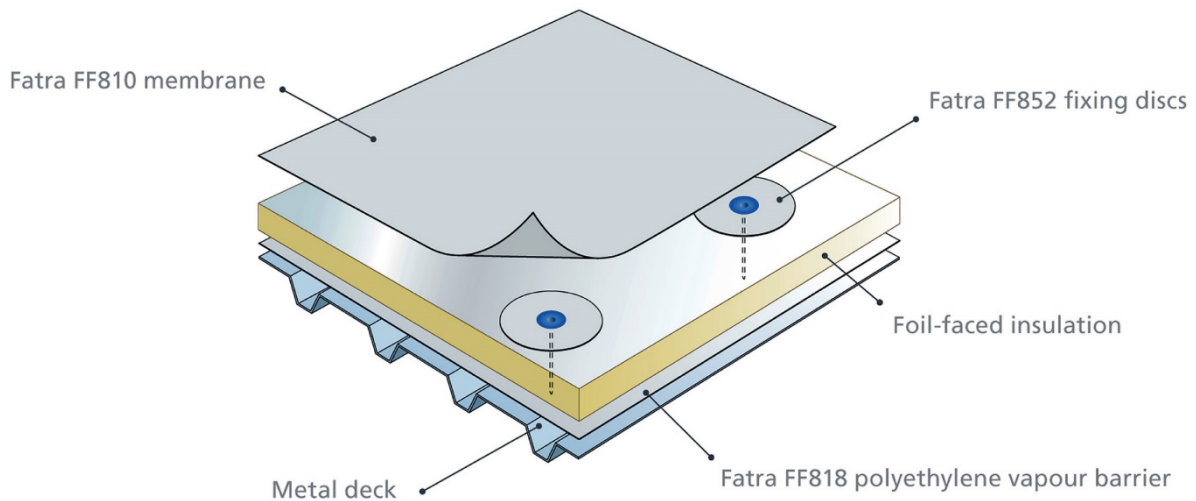


Fatra FF810 & FF810V Membrane

Product Description

Fatra FF810 is a high performance, polyester-mesh reinforced PVC-P roof waterproofing membrane, designed for use as a mechanically fixed waterproofing covering on flat or pitched roofs. The membrane comprises upper, middle and lower layers manufactured by a calender-mould process. The layers are thermoplastically fused together, sandwiching the polyester mesh between them.

The Fatra mechanically fastened system consists of the FF810 roofing membrane in conjunction with the appropriate fixings, washers, PVC fixing discs and adhesives to secure the membrane to the substrate. This system can be used in a warm or cold roof application and over a range of substrates including profiled metal decking, plywood and concrete.



Fatra FF810 Roof Membranes

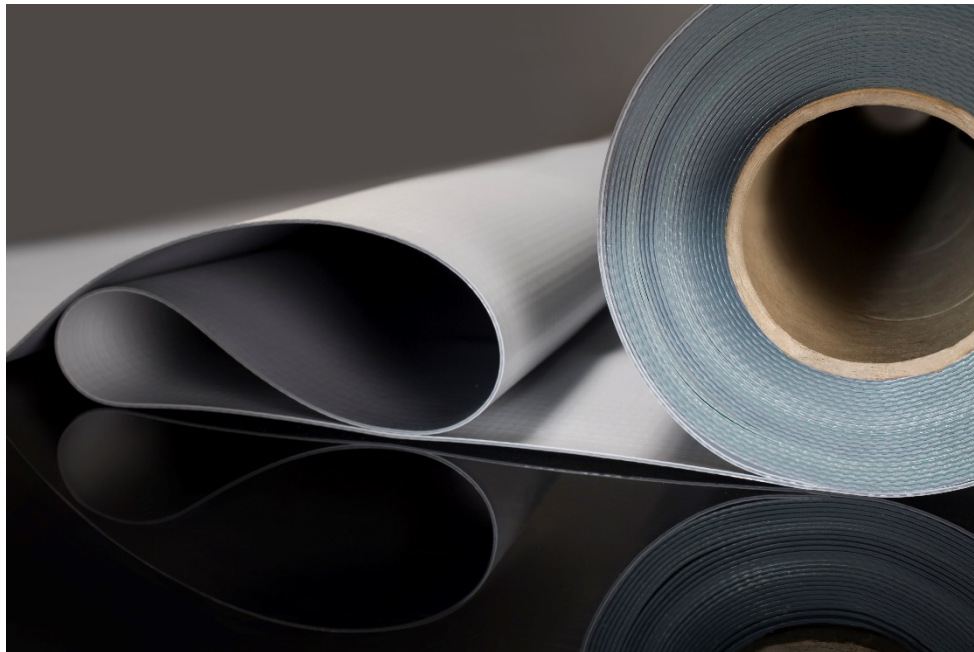
- High Performance, PVC-P Reinforced Membrane
- Mechanically Fixed using FF852 PVC Fixing Discs
- ISO 9001 Quality Management accredited
- ISO 14001 Environmental management accredited
- British Board of Agrément Certificate No. 02/3921
- BBA Durability Accreditation in excess of 30 years
- Fire Testing to BS 476 & BS EN 13501-5 (B_{ROOF} t4)
- Green Guide rating of A+
- BRE Eco-points Rating
- FLL Root Resistance Certification
- FM Approved

Standard Characteristics

Fatra FF810 & FF810V Membrane				
Reference	Fatra FF810	Fatra FF810V	Fatra FF810 (1.2)	Fatra FF810V (1.2)
Standard roll width	1.3 m	2.05 m	1.0 m	2.0 m
Standard roll length	20 m	20 m	25 m	25 m
Thickness	1.5 mm	1.5 mm	1.2 mm	1.2 mm
Area per roll	26 m ²	41 m ²	26 m ²	41 m ²
Weight per roll	52 kg	82 kg	38.22 kg	60.27 kg
Weight per unit area	2.0 kg/m ²	2.0 kg/m ²	1.47 kg/m ²	1.47 kg/m ²
Rolls per pallet	19	21	21	21

Membrane working temperatures: -5°C to +80°C

FF810 membrane is resistant to sparks and radiant heat of up to 80°C



Colour

Fatra FF810 is available in the following colours:

Dark Grey (RAL 7012), Light Grey (RAL 7035), Anthracite (RAL 7016)

Other RAL Colours are available on request, subject to minimum order.

Packing, Transport & Storage

Fatra FF810 is delivered to site in polyethylene-wrapped rolls, each clearly labelled with product and manufacturer details. Fatra FF810 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 Data

Fatra FF810 & FF810V Membrane (1.5mm thick)			
Characteristic	Test Standard	FF810	FF810V
Visible defects	EN 1850-2	Complies	Complies
Straightness	EN 1848-2	≤ 50mm	≤ 50mm
Flatness	EN 1848-2	≤ 10mm	≤ 10mm
Dimensional stability	EN 1107-2	Max. ±0.3%	Max. ±0.3%
Maximum tensile force, MD	EN 12311-2 Method A	≥ 1000 N/50mm	≥ 1000 N/50mm
Maximum tensile force, CD		≥ 950 N/50mm	≥ 1000 N/50mm
Elongation at maximum tensile force, MD		≥ 15%	≥ 15%
Elongation at maximum tensile force, CD		≥ 15%	≥ 20%
Tear resistance, MD	EN 12310-2	≥ 180 N	≥ 200 N
Tear resistance, CD		≥ 180 N	≥ 220 N
Foldability at low temperature	EN 495-5	≤ 25°C	≤ 25°C
Joint peel resistance, MD	EN 12316-2	≥ 260 N/50mm	≥ 260 N/50mm
Joint peel resistance, CD		≥ 260 N/50mm	≥ 260 N/50mm
Joint shear resistance, MD	EN 12317-2	≥ 900 N/50mm	≥ 1000 N/50mm
Joint shear resistance, CD	EN 12317-2	≥ 850 N/50mm	≥ 1000 N/50mm
Water tightness, 400kPa	EN 1928 Method B	Complies	Complies
Resistance to static load	EN 12730 Method B	Meets 20kg	Meets 20kg
Reaction to fire	EN 13501-1	Class E	Class E
Impact resistance	EN 12691 Method A	Complies 1,250 mm	Complies 1,250 mm
Impact resistance	EN 12691 Method B	-	Complies 2,000 mm
Exposure to UV radiation, elevated temperature and water (5000 h)	EN 1927	Complies, grade 0	Complies, grade 0
Water vapour properties – factor μ	EN 1913	15,000 ± 30%	15,000 ± 30%
Resistance to root penetration	EN 13948 FFL Test	Complies	Complies

Technical Data

Fatra FF810 & FF810V Membrane (1.2mm thick)			
Characteristic	Test Standard	FF810	FF810V
Visible defects	EN 1850-2	Complies	Complies
Straightness	EN 1848-2	≤ 50mm	≤ 50mm
Flatness	EN 1848-2	≤ 10mm	≤ 10mm
Dimensional stability	EN 1107-2	Max. ±0.3%	Max. ±0.3%
Maximum tensile force, MD	EN 12311-2 Method A	≥ 1000 N/50mm	≥ 1000 N/50mm
Maximum tensile force, CD		≥ 950 N/50mm	≥ 1000 N/50mm
Elongation at maximum tensile force, MD		≥ 15%	≥ 15%
Elongation at maximum tensile force, CD		≥ 15%	≥ 20%
Tear resistance, MD	EN 12310-2	≥ 180 N	≥ 200 N
Tear resistance, CD		≥ 180 N	≥ 220 N
Foldability at low temperature	EN 495-5	≤ 25°C	≤ 25°C
Joint peel resistance, MD	EN 12316-2	≥ 260 N/50mm	≥ 260 N/50mm
Joint peel resistance, CD		≥ 260 N/50mm	≥ 260 N/50mm
Joint shear resistance, MD	EN 12317-2	≥ 900 N/50mm	≥ 1000 N/50mm
Joint shear resistance, CD	EN 12317-2	≥ 850 N/50mm	≥ 1000 N/50mm
Water tightness, 400kPa	EN 1928 Method B	Complies	Complies
Resistance to static load	EN 12730 Method B	Meets 20kg	Meets 20kg
Reaction to fire	EN 13501-1	Class E	Class E
Impact resistance	EN 12691 Method A	Complies 1,000 mm	Complies 1,000 mm
Impact resistance	EN 12691 Method B	-	Complies 2,000 mm
Exposure to UV radiation, elevated temperature and water (5000 h)	EN 1927	Complies, grade 0	Complies, grade 0
Water vapour properties - factor μ	EN 1913	15,000 ± 30%	15,000 ± 30%
Resistance to root penetration	EN 13948 FFL Test	Complies	Complies

Health & Safety

Fatra FF810 does not constitute a hazard under the COSHH Regulations under normal conditions of use.

Waste Disposal

Fatra FF810 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 Documents

- Construction and technologic regulation of roofing waterproofing system FATRAFOL-S (PN 5415/2011)
- Certificate of conformity of the factory production control according to EN 13956:2012, emitted by CSI, a. s., Prague, workstation, Zlín
- European Technical Approval ETA-12/0013, emitted by Technický a zkušební ústav stavební Praha, s. p.