

## Fatra FF818 Polyethylene VCL

### Description

Fatra FF818 Polyethylene Vapour Control Layers are used to omit the risk of interstitial condensation within a structure as well as improving the general air-tightness of the building. Fatra Polyethylene Vapour Control Layers restricts the passage of warm, moist air from within the building from permeating into the structure or the roof.



Fatra Polyethylene Vapour Control Layers should be installed on the 'warm' side of the insulated structure, with special care being taken to ensure that all seams and holes are sealed effectively - thus rendering the whole structure moisture vapour proof and improving thermal performance. It is important that Fatra Polyethylene Vapour Control Layers should be continuous in order to prevent vapour entering the wall or the roof.

### Features

- General purpose Vapour Control Layer suitable for preventing condensation which can lower the performance of insulation
- Suitable for wall and roof applications
- Vapour resistance of 450 MNs(gm)-1
- Helps to prevent mould and damp staining

## **Packaging**

All rolls are packaged individually - sealed with tape and separately labelled for ease of identification.



## **Storage & Handling**

Fatra Polyethylene Vapour Control Layers should be stored stacked on end, and protected from extremes of weather and temperature. Care should be taken to ensure that rolls are not physically damaged at any time.

## **Fixing & Jointing**

Fatra Polyethylene Vapour Control Layers should be positioned on the warm side of the thermal insulation of the structure. All laps should be a minimum of 100mm and be sealed using Fatra FA1 Butyl Sealing Tape. Particular care is required when sealing around penetrations. Where the Vapour Control Layer is breached by construction elements, the aperture should be sealed with Fatra FA1 Butyl Sealing Tape.



## Physical Characteristics

Fatra FF818 Polyethylene VCL		
Dimensions & Weights		
	FF818-2m	FF818-4m
Thickness	0.15 mm = 150 mu (600 gauge)	0.15 mm = 150 mu (600 gauge)
Width	2 m	4 m
Length	50 m	50 m
Area	100 m <sup>2</sup>	200 m <sup>2</sup>
Weight	11.3 kg	22.6kg
Performance		
Water Vapour Transmission	0.395 gm-2day-1	0.395 gm-2day-1
Water Vapour Resistance	450 MNs(gm)-1	450 MNs(gm)-1

## Technical Data

Fatra FF818 Polyethylene vapour control layer		
Characteristic	Test Methods	Value
Thickness	PN EN 1848	0.15 mm ± 10%
Length	PN EN 1848	25m ± 2%
Width	PN EN 1848	4m ± 4%
Straightness	PN EN 1848	Conforming
Resistance to water penetration (2 kPa/24h)	PN EN 1928 Met. A	Conforming
Tensile force MD -- CD -	PN EN 123112 Met. B	N/mm 15 15
Tensile force MD -- CD -	PN EN 123112 Met. B	N/mm 15 15
Elongation -MD - CD -	PN EN 123112 Met. B	% 350 300
Elongation -MD - CD -	PN EN 123112 Met. B	% 350 300
Tearing Resistance: min MD -- CD -	PN EN 123112 Met. B	N 100 40 70 40 70 100
Tearing Resistance: min MD -- CD -	PN EN 123112 Met. B	N 100 40 70 40 70 100
Reaction to fire	PN EN ISO 119252	F
Water vapour transmission properties, μ value	PN EN 1931	600000 ±35%
Durability of water vapour resistance against ageing	PN EN 1296, PN EN 1931	Conforming