

# BM FELT

## Polymer Modified Fiber Membrane

### Description

**BM FELT** membranes are Polymer modified bitumen membranes. They consist of 2 layers of HDPE polyethylene film, a unique technology, having very good flexible waterproofing qualities with excellent elongation.

### Recommended Applications

**BM FELT** membranes are ideal for general use in single or multi-layer waterproofing systems intended for concrete protections.

**BM FELT** may be used for horizontal and vertical application and damp-proof course for tanking below ground structures and retaining walls.

### Standards

**BM FELT** membranes are compliant with the performance requirements and tolerance level of UEAtc (European Union of Technical Agreement) and ASTM (American Society for Testing and Materials).

### Supply

Nominal roll length: 1m x 20m, 1m x 15m, 1m x 10m

Nominal roll width: 1m

Nominal thickness: 1.5mm, 2mm, 3mm, 4mm

### Application

The surface should be always clean, dry, firm, even and free from dust. The membranes are bonded to the surface by using cold adhesive or hot pour bitumen.

The laying should start from the lowest point of the roof and overlapping should be formed so as to shed water. Overlap shall be sealed with sufficient adhesives/bitumen.

The overlaps of adjacent rolls should be staggered. The side laps should be minimum 8cm and end laps 15 cm. Details such as corners, edges and joints should be carefully prepared in advance by adhesive and fixing strips of **BM FELT** in place.

### Coverage (subject to surface condition):

**BM FELT**: Flat Areas: 1.15m<sup>2</sup>/m<sup>2</sup> (Approx.) per layer with 10cm Overlaps and 15 cm end laps. Average wastages: 2-3%.

### Storage & Shelf Life

The rolls must be stored vertically in a covered area. They should not be exposed to direct sunlight, UV and other sources of heat. The shelf life of the product lasts up to 12 months from the date of production. Excessive exposure to sunlight and UV may lead to deterioration of the product and may subsequently reduce its shelf life.

### Health & Safety

When torch melted the membranes can form a sticky compound and can stick to human skin. Apply plenty of cold water if it is in hot condition. Use soft cloth dipped in a suitable cleaner to remove the same. For deep burns, immediate medical assistance is suggested.

### Technical Specification

PROPERTIES	TYPICAL VALUES	TEST STANDARDS
Coating asphalt	APP Polymer modified Asphalt	-
Thickness (mm)	1,4±15%	EN 1849-1
Tensile strength (MD/CD) (N/5cm)	270±15% / 140±15%	EN 13859-1
Elongation (MD/CD) (%)	1-2/2-3	EN 13859-1
Nail Tearing (MD/CD) (N)	30±15% / 30±15%	EN 13859-1
Resistance to water penetration	Class W1	EN 13859-1
Artificial Ageing Tensile Strength after ageing (MD/CD) (N/5cm)	257±15%/133±15%	EN 13859-1
Resistance to water penetration after ageing	Class W1	EN 13859-1
Water vapour transmission property (g/m <sup>2</sup> X24h ) (m)	WDD:5,7±15% Sd=7,5 23°C 0/75% RH	EN 13859-1
Dimensional Stability (%)	0<ΔL<0,5	EN 13859-1 (80°C)
Flexibility at low temperature (°C)	0	EN 13859-1

**For professional use only. Keep out of reach of children.**

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