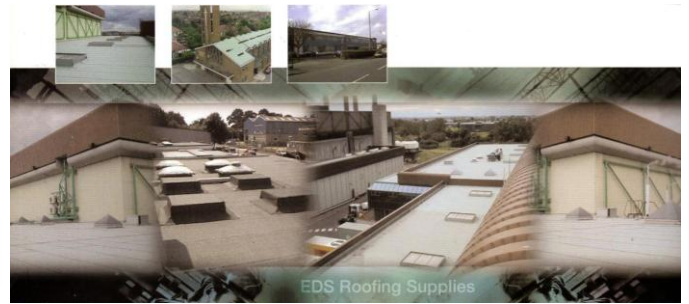




Premium Quality Value for Money  
Products for Flat Roofs



# BETAGUM



*Elastomeric SBS modified waterproofing membranes for residential, commercial and industrial applications.*

## THE PRODUCT

Manufactured to exacting standards since 2004, the **Betagum** brand of roofing felts have been used to waterproof properties throughout the UK and abroad. From a domestic garage roof to the roofs of some of the UK's house-hold named companies **Betagum** waterproof membranes have been used to provide long lasting peace of mind to property owners. **Betagum** roofing felt has set the standards others try to emulate without success!

**Betagum** in its different versions is an elastomeric membrane obtained from distilled bitumen modified with elastomeric resins. Both sides of the membrane are protected by the application of anti-adhesive heat sensitive film. The mineral version differs only by having a surface finish of slate chips.

## USES

**Betagum** waterproofing membranes are suitable for use in applications on various roof types, whether they are insulated or not, especially those which are subjected to high levels of stress such as timber or metal decks. The mineral version is used as a cap sheet in multi-layer waterproofing systems. Ideal also for use in cold climates.

## INSTALLATION

The surface where the **Betagum** is to be installed must be smooth, clean, dry and treated, if required with **EDS FD PRIMER** (for example if the **Betagum** is to be fully adhered). The **Betagum** membrane should be unrolled and laid out on the dry primed coating, which will enhance the adhesion to the deck. It is then aligned before being rolled up again. The **Betagum** membrane is then slowly unrolled while the lower surface is heated using a propane gas roofing torch until the anti-adhesive film melts and the bituminous compound itself starts to melt. Side laps must be at least 75mm and head laps 150mm. After forming the overlap, the joint (whilst still hot) must be pressed using a round nosed trowel to ensure the joint is correctly formed, and to level the molten bituminous compound which will inevitably seep from a correctly executed joint. The hot surface of the **Betagum** membrane should not be scraped using the trowel to avoid exposing the carrier. **Betagum** can be installed as a loose laid, partially attached or fully adhered, as required in the specification of the overall roof package. It should be noted that this refers only to the first layer of a multi-layer system and that subsequent layers must always be fully adhered.

Warning: **Betagum** membranes must be protected by a cap sheet or by paving or gravel.

## TOOL REQUIREMENTS

For the correct installation of **Betagum** membranes, all that is required is a propane gas roofing torch complete with gas bottle, reduction valve and at least 10M of approved type hose, a round nosed trowel or spatula, a utility knife and a pair of protective gloves.

## PHYSICAL AND CHEMICAL CHARACTERISTICS

### Elastomeric bitumen polymer compound (SBS)

Good low temperature resistance  
Good elongation  
Good elastic memory  
Absolute water tightness  
Good resistance to acids and alkalis (chalk resistance table)

### Carrier

Wear resistance  
Elongation  
Rot Proof  
Dimensional Stable

### Slate chip finish

Reduces the spread of flame in case of fire  
Protection from ultraviolet rays  
Ageing resistance  
Aesthetically pleasing finish

## TECHNICAL CHARACTERISTICS

R&B Softening point \*\*\*\*\* (ASTM D-36)  
(of the compound in the impregnation tank)  
Carrier Type

Width \* (UNI 8202)  
Length \*\* (UNI 8202)  
Mass \*\*\* (UNI 8202)  
Cold flexibility \*\* (UNI 8202)  
Tensile strength \*\*\*

Ultimate longitudinal load  
Ultimate transverse load  
Ultimate longitudinal elongation  
Ultimate transverse elongation

Static puncture resistance (UNI 8202)  
On 30kg/m<sup>3</sup> density polystyrene  
Dynamic puncture resistance (UNI 8202)  
On 30kg/m<sup>3</sup> density polystyrene

Impermeability to water (UNI 8202)  
Joint pressure in air \*\*\*\* (UNI 8202)

\* Tolerances to UNI standards  
\*\* Cold flexibility of mineral membranes is measured on the lower surface  
\*\*\* Tolerances as per UEAtc European Directives of January 1984 for polymer bitumen membranes  
\*\*\*\* No greater than  
\*\*\*\*\* No lower than

**N.B.** Values indicated do not vary greatly with different areic mass

	BETAGUM MINERAL	BETAGUM P	BETAGUM V
R&B Softening point	105°C	105°C	105°C
Carrier Type	Non Woven Polyester	Non Woven Polyester	Woven Glass Fibres
Width	1M	1M	1M
Length	8M	8M/16M	8M/16M
Mass	5Kg/4.5kg	5Kg/4kg/3Kg/2kg	4Kg/3Kg/2Kg
Cold flexibility	-15°C	-15°C	-15°C
Ultimate longitudinal load	750 N/5cm	750 N/5cm	300N/5cm
Ultimate transverse load	450 N/5cm	450 N/5cm	200N/5cm
Ultimate longitudinal elongation	35%	35%	2%
Ultimate transverse elongation	45%	45%	2%
Static puncture resistance	SP3	SP3	SP1
Dynamic puncture resistance	DP4	DP4	DP3
Impermeability to water	Absolute	Absolute	Absolute
Joint pressure in air	10kPa	10kPa	10kPa



**NOTE:** The company reserves the right to modify the technical data in this specification sheet that is based on current production without prior warning. All indications in this specification sheet are based upon our experience and current working practices. The company makes no representation or warranty as to the suitability or fitness of products for any particular purpose. The buyer shall satisfy himself or herself and shall therefore be totally responsible in this respect.

[www.eds-midlands.co.uk](http://www.eds-midlands.co.uk)