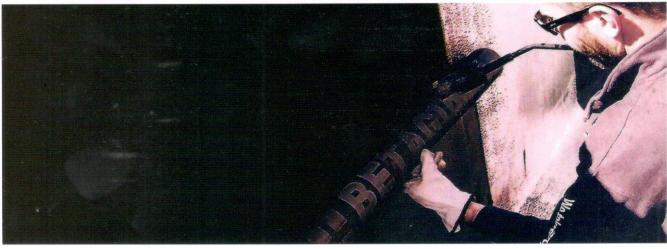


BETAGUM SBS

| | 4 | D)E | RPRO | 1/A |
|---------|-----------|-----------|---------|---------------------------|
| BETAGUM | BETAGUM | BETAGUM | BETAGUM | |
| BETAGUM | BITAGUM | MOSETE | BETAGUM | |
| MOSTIG | BETAGUM | BETAGUM | BETAGUM | |
| PETAGUM | MODELL | BETAGUM | BETAGUM | B |
| BETAGUM | BETAGUM | BETAGUM | BITAGUM | cl b a _l |
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BETAGUM SBS is a high performance elastomeric roofing and waterproofing membrane, reinforced with a core of non woven polyester of 200g/m² nominal weight. It combines the ability to withstand high ambient temperatures with the usual characteristics of an SBS membrane. It is suitable for a variety of applications among them; roofs, terraces, foundations, basements, pile capping, footing, tanking, car parks, bridge decks and abutments, tank lining, swimming pools, airport aprons, ramp areas and others.

SPECIAL FEATURES

- Positive barrier to water and dampness.
- Excellent resistance to ageing and atmospheric agents.
- Highly flexible during application at sub-zero temperatures without physical strains.
- Maintains shape stability at high temperatures.
- Accommodates structural movements.
- Withstands thermal choc.
- It is provided with a lap line in slated and Aluminium membranes and as an option on PBS or Sand.
- Depending on client request and specification it may come in various grades: -10degC, 15degC, -20degC, -25degC or according to ASTMD6I64. Manufactured according to EN 13707.
- The top surface can be either: a thin Poly-ethylene film (PBS, fine sand (Sand), natural .grey or pigmented slates, Aluminium or with geotextile.
- The bottom surface is covered with a thin easy torched Poly-Ethylene film (a sand bottom is also available on request).
- Resistant to chemical attack from soil or water. It is suitable for areas subject to seaside salinity.

COATING MIXTURE OF THE MEMBRANE

The waterproofing capability is provided by the coating mix of the **BETAGUM SBS** membrane. The reinforcement made of nominal 200gm/m2 non-woven polyester mat is impregnated with this mix and then coated to factory regulated thickness. The mix is made up of bitumen, heavily modified with SBS rubber, thermoplastic resins and stabilizers giving the membrane its excellent resistance to atmospheric agents and ageing, maintaining shape stability at high temperatures and malleability at low temperatures, improving adhesion strength and making the membrane easy to apply saving on time and labor.



TECHNICAL DATA

BETAGUM SBS products are tested at random intervals by independent laboratories to international standards and the results of these tests are available on request. In addition, each batch manufactured is subject to strict quality control procedures to ensure it meets appropriate and applicable standards and/or norms.

| | T. | PROCEDURE | UNITS | TOLERANCE | VALUE |
|---|-------------------|--------------------------|------------------|------------------|--------------|
| ASTM | | | | | |
| Length | | | m | <-1% | 10 |
| Width | | | m | <-1% | 1 |
| Thickness | | ASTM D5147 | mm | -0.2mm | 4.00 |
| Tensile properties: max. tensile force | - long - trans | ASTM D5147 ASTM D5147 | N/50mm N/50mm | -20% -20% | 850 700 |
| Tensile properties: elongation | - long - trans | ASTM D5147 ASTM D5147 | % % | -15 -15 | 50 55 |
| Resistance to tearing | - long - trans | ASTM D5147 ASTM D5147 | N N | min min | 550 355 |
| Lap joint strength | - long - trans | ASTM D5147 ASTM D5147 | N/50mm N/50mm | -20% -20% | 850 700 |
| Low temperature flexibility* | | | С | min | -10 to -15 |
| Dimensional stability at +80C | - long - trans | ASTM D5147 ASTM D5147 | % % | mlv mlv | -0.5 -0.5 |
| Water Absorption | | ASTM D570 | % | mlv | <0.15 |
| CE | | | | | |
| Visible cefects | | EN 1850-1 | N°/m² | 0 | 0 |
| Length | | EN 1848-1 | m | <-1% | 10 |
| Width | | EN 1848-1 | m | <-1% | 1 |
| Straightness | | EN 1848-1 | mm | <20mm | pass |
| Mass per unit area | | EN 1849-1 | kg/m² | +/- 10% | 4.70 |
| Thickness | | EN 1849-1 | mm | -0.2mm | 4.00 |
| Watertightness to liquid Water | | EN 1928-1 | mlv | >60 kPa | pass |
| Tensile properties: max. tensile force - long | | EN 12311-1 | N/5cm | -20% | 850 |
| | - trans | EN 12311-1 | N/5cm | -20% | 700 |
| Tensile properties: elongation | - long - trans | EN 12311-1 EN 12311-1 | % % | -15 -15 | 50 55 |
| Resistance to tearing (nail shank) | - long - trans | EN 12310-1 EN 12310-1 | N N | min min | 270 270 |
| Shear resistance of joint | - long - trans | EN 12317-1 EN 12317-1 | N/5cm N/5cm | -20% -20% | 850 700 |
| Resistance to static loading (method A) | | EN 12730 | kg | min | 20 |
| Resistance to impact | | EN 12691 | mm | mlv | >700 |
| Flexibility at low temperature* | | EN 1109 | С | min | -10 to -15 |
| Dimensional stability | - long | EN 1107-1 | % | max | -0.5 |
| Flow Resistance less than 2mm | | EN 1110 | С | mlv | 100 |
| Reaction to fire | | EN 13501-1 | | Euroclass | F |



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