

**Waterproofing Membranes with Revolutionary Technology**

**Description**

Bitulight is a range of high performance polyester based torch-on membranes manufactured using Reoxthene, a revolutionary patented technology. This innovative compound produces weight/thickness parameters previously unheard of in this field. Reoxthene membranes offer increased bond strength despite requiring less heat activation than conventional membranes, resulting in easier and quicker installation. The underside of Bitulight and Mineral Bitulight is protected by Polyflam a special polyethylene film which melts upon torching. In the mineral version the top surface is protected by a uniform layer of slate chippings and has a lateral selvedge for overlapping making application fast and secure.

Bitulight torch-on membranes provide high performance and reliable flat roof waterproofing, combining the qualities of exceptional performance with excellent handling characteristics. Bitulight membranes exhibit excellent dimensional and mechanical stability making them suitable as part of a built-up system, or as a refurbishment overlay to existing asphalt or selected surface bitumen membranes.

(NB. Please see separate Underlays data sheet.)

**Features and Benefits of Reoxthene Technology:-**

- Reduced Weight (up to 40% compared to Conventional products)
- Reduced Heat Activation
- Increased Bond Strength
- Low temperature flexibility
- Easy to Handle & Apply
- 10 year Product Warranty Available



Dimensions & Weights	Bitulight Mineral	Bitulight 3mm Sand	Bitulight 4mm Sand
Thickness kg/m <sup>2</sup>	4.0mm	3.0mm	4.0mm
Roll Length m	10	10	10
Roll Width m	1	1	1
Selvedge Width mm	75	N.A.	N.A.
Product Components			
Base	Polyester	Polyester	Polyester
<b>Typical Performance</b>			
Tensile Strength (MD) N/50mm	550	550	550
Tensile Strength (TD) N/50mm	400	400	400
BSEN 12311: 2000			
Elongation (MD) %	35	35	35
Elongation (TD) %	35	35	35
BSEN 12311: 2000			
Low Temperature Flex °C			
BSEN 1109: 2000	-5	-5	-5

Product:	Code:
Bitulight Sand 3mm	KWT
Bitulight Sand 4mm	KWQ
Bitulight Grey Mineral	SQL

## Product Information

Bitulight Mineral Slate Surfaced Cap sheet - Incorporates a non-woven polyester base, coated with Reoxethane modified bitumen, providing a very high degree of strength and durability. Available with a grey slate finish and surfaced on the underside with flame dispersible polyethylene film (Polyflam). For exposed use and requires no further finishing on site. Additional surface protection may be required on trafficked areas, please consult Polyglass Technical Department.

Bitulight Sand Surfaced Finish - Incorporates a non-woven polyester base, coated with APP modified bitumen, providing a very high degree of strength and durability can be used as a high performance underlay or as a capsheet where the surface will be protected by walkway tiles, chippings or other approved surface protection.

## Application

Bitulight torch-on can be used as the cap sheet onto suitable pour and roll, torch-on or self-adhesive underlays as part of a built-up system or as refurbishment overlay to existing asphalt or selected compatible surfaced membranes. When installing a fully torched system, suitable underlays include Bitulight 3mm torch on sand.

Bitulight torch-on roofing membranes should be installed in accordance with 8217: 2005, Code of Practice for Reinforced bitumen membranes for roofing, and to Polyglass specifications and recommendations. The application should follow the general good practices for torch-applied membranes. Care must be taken when applying Bitulight torch-on membranes in close proximity to combustible materials, decorative coatings and heat sensitive materials.

Apply Bitulight torch-on roofing by melting the heat dispersible backing and coating to create a molten flow in front of the roll. The flame of the torch should be applied at the low point where the roll meets the underlay. As the film and bitumen melts, roll the roofing forward. Side joints in the sheets should be fully bonded and formed using the 75mm selvedge. NB. A bead of bitumen must exude from all lap joints to ensure a seal.

## Other Products

Full product literature, health & safety and technical sheets are available as downloads or on request from our Head Office, detailed below.



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