

Waterproofing Membranes with Revolutionary Technology

Description

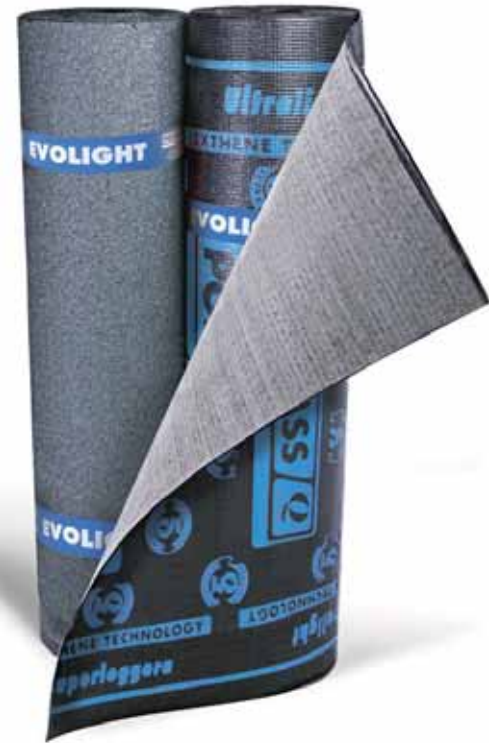
Evolight is a range of high performance polyester based torch-on membranes manufactured using Reoxthene, a revolutionary patented technology. This innovative compound produces weight/thickness parameters previously unheard of in this field. Reoxthene membranes offer increased bond strength despite requiring less heat activation than conventional membranes, resulting in easier and quicker installation. The underside of Evolight and Mineral Evolight 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.

Evolight torch-on membranes provide high performance and reliable flat roof waterproofing, combining the qualities of exceptional performance with excellent handling characteristics. Evolight 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 -10°C
- Easy to Handle & Apply
- 15 year Product Warranty Available



Dimensions & Weights	Evolight Mineral	Evolight Plain
Thickness mm	4.5	4.0
Roll Length m	10	10
Roll Width m	1	1
Selvedge Width mm	75	N.A.
Product Components		
Base	Polyester	Polyester
Typical Performance		
Tensile Strength (MD) N/50mm	700	700
Tensile Strength (TD) N/50mm	500	500
BSEN 12311: 2000		
Elongation (MD) %	40	40
Elongation (TD) %	40	40
BSEN 12311: 2000		
Low Temperature Flex °C	-10	-10
BSEN 1109: 2000		

Product:	Code:
Evolight Plain	Q42
Evolight Grey Mineral	Q43
Evolight Black Mineral	Q4H
Evolight Tweed Mineral	Q4G
Evolight Grey Mineral	(8m Roll) Q4L

Product Information

Evolight Mineral Slate Surfaced Cap sheet - Incorporates a non-woven polyester base, coated with Reoxthene modified bitumen, providing a very high degree of strength and durability. Available with a grey, black or tweed 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.

Evolight Plain 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

Evolight 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 plain.

Evolight torch-on roofing membranes should be installed in accordance with BS 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 Evolight torch-on membranes in close proximity to combustible materials, decorative coatings and heat sensitive materials.

Apply Evolight 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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