



Self Adhesive Vapour Barrier

The Product

- ❖ Waterproof & Self-adhesive;
- ❖ Cold applied without use of flames;
- ❖ Vapour, Radon and Methane Gas Barrier;
- ❖ Reinforced with glass fibre;
- ❖ Protected with reinforced aluminium film;
- ❖ Excellent puncture resistance and tensile strength
- ❖ Polyester surface accepts most polyurethane adhesives

Characteristics

Elotene DSN is a self-adhesive bituminous waterproofing membrane that forms a barrier against vapour and gases. It consists of a self-adhesive low-thickness bituminous compound self protected by a glass fibre and a reinforced aluminium film.

The glass fibre and polyester reinforcement provides excellent resistance to puncture and the effects of work site foot traffic.

Advantages

- ❖ Exceptional self adhesive qualities
- ❖ Quick installation;
- ❖ Installation does not require skilled personnel;
- ❖ Compatible with other waterproofing systems.

Uses

- ❖ For use in mechanically fastened and adhered roofing systems
- ❖ As a vapour barrier for composite multilayer roofing and waterproofing: metal roofing, single ply, polyurethane coatings etc.
- ❖ Waterproofing of underground premises, cellars, underground garages etc.

Surface Preparation and Installation

All surfaces on which Elotene Waterproofing membranes have to be installed must be dry, clean, smooth and free of impurities.

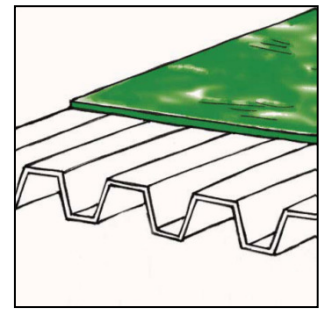
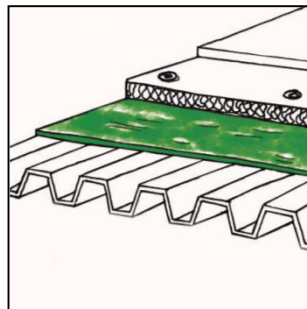
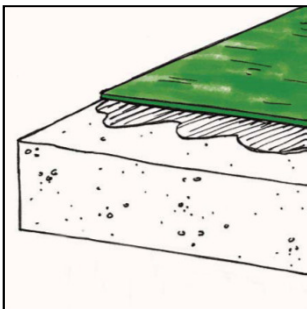
If the surface is porous, apply a coat of P8657 Primer as per instructions.

The use of Primer where application is to new, clean and oil free metal is generally not required.. A wrong use of primer can influence the membrane efficiency.

To achieve the best result, proceed as follows: always start by laying the rolls from the lowest point and work upwards, being careful not to create counter-gradient overlaps. The membrane must be overlapped at the edge by at least 6/8 cm and at least 15 cm at the ends.

After installation, press the membrane well by hand, heavy broom or roller being very careful not to trap air pockets. This membrane features an outer polyester film and cannot therefore be exposed directly to the sun for prolonged periods.

Characteristics	Value	Test
Thickness	0.6mm (other thicknesses available)	EN 1849-1
Tensile Strength	Long.>850 N/50mm Trans.>850 N/50mm	EN 12311-1
Elongation at Break	Long.>8,5% Trans.>8,5%	EN12311-1
Static Load Resistance	Met.A15Kg Met.B20Kg	EN12730
Tear Resistance	Long.70N Trans.70N	EN12310-1
Peel Resistance of Joints	35N / 50mm	EN12316-1
Impermeability	≥ 60 Kpa	EN1928
Vapour Transmission Rate	Sd ≥ 1500m	EN1931
Radon Transmission Rate	0.47 x 10 ⁻⁹ m/s	SP Swedish Nat. Testing & Research Institute
Permeability to Radon Gas	0.56 x 10 ⁻¹² m ² /s	SP Swedish Nat. Testing & Research Institute
Permeability to Methane Gas	< 5 cc/m ² x 24h x atm	CSI Method
Application Temperature	+5°C / +45°C	-
Service Temperature	-40°C / +80°C	-



Important Notes

Usage: Ensure temperature and surfaces are within the application temperature guidelines (see above) the use of P8657 primer can aid installation at the lower temperature range.

Storage: The quality and the characteristics of materials remain unaltered for a very long time.

It is however best to use the product within 12 months.

For correct storage, a dry, covered place is best at a temperature between +5°C and +40°C.

Traffic: Elotene DSN is not suitable for withstanding pedestrian and vehicle traffic.

Caution and Safety: The material is not hazardous for normal use, however it is possible to cut or injure oneself, wear protective gloves when working, keep out of reach of children.

For further information refer to the Safety Data Sheet.

Classification for Transport: Not Applicable.

Inflammability classification: B2 (DIN 4102).

Reaction to Fire: E (EN 11925 – 2; EN 13501 -1)

The manufacturer/distributor disclaims all liability for product use and applications

Dimensions and Packaging

Elotene DSN 600:

1.080m x 40 m, thickness 0.6 mm

25 rolls per pallet

Other lengths and thicknesses of Elotene DSN are available on request

The rolls are packed individually in cardboard boxes and placed on pallets.

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