



ELOTENE DSN

Waterproofing
Membranes

Self-Adhesive Bituminous Reinforced Membrane
Total Vapour Barrier for Roof Application.

DESCRIPTION

Elotene DSN is a self-adhesive bituminous waterproofing membrane that forms a total barrier against vapour.

The product consists of a self-adhesive low-thickness bituminous compound, self-protected by a reinforced aluminium foil and a fibreglass net.

The so composed film makes the membrane resistant to heavy worksite traffic and suitable for applications that involve high mechanical stresses.

CHARACTERISTICS

- Total Vapour Barrier;
- Excellent tensile strength;
- Waterproof & Self-adhesive;
- Self-sealing;
- Cold applied without use of flames.

USES

- Total Vapour Barrier for metal deck application;
- Total Vapour Barrier for composite multilayer insulation systems;
- Carrier membrane for composite multilayer insulation systems;

DIMENSIONS AND PACKAGING

Standard Lengths: 40 m *

Standard Thicknesses: 0.6 mm *

Standard Width: 1080 mm *

Other lengths and thicknesses are available on request.

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

SURFACE PREPARATION

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 Primer in a quantity of 75 - 150 g/sqm.

The use of Primer is in any case advisable, and the manufacturers instructions must be followed.

A wrong use of Primer can influence the membrane efficiency.



CHARACTERISTICS	VALUES	TEST
Thickness	0,6 mm *	EN 1849-1
Tensile Strength	Long. 600 N/50mm Trans. 600 N/50mm	EN 12311-1
Elongation at Break	Long. 5% Trans. 5%	EN 12311-1
Static Load Resistance	Met. A 5 Kg Met. B 20 Kg	EN 12730
Tear Resistance	Long. 190 N Trans. 190 N	EN 12310-1
Peel Resistance of Joints	40 N/50mm	EN 12316-1
Shear Resistance of Joints	Long. 400 N/50mm Trans. 400 N/50mm	EN 12317-1
Impermeability	Pass (≥ 60 Kpa)	EN 1928
Water Vapour Impermeability	Pass (Sd ≥ 1500 m)	ISO EN 12572
Application Temperature	+5°C / +45°C	-
Service Temperature	-40°C / +80°C	-

TEST

Complying with EN 13970 type A e T

Classification for transport: Not Applicable

Inflammability classification: B2 (DIN 4102)

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

Total Volatile Organic Compound emissions (TVOC): 8 µg/m³ Tested by eco-INSTITUTE, following SINTEF standard, ISO 16000-6

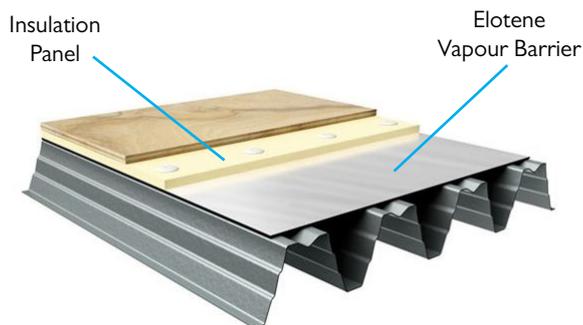


Fig. 2 - Vapour Barrier on Metal Shield

STORAGE

The quality and the characteristics of the materials remain unaltered for a long period of time.

However, it is recommended to use the product within 12 months from production date.

The product must be stored in the original and unopened packaging in a dry and well ventilated place at a temperature between + 5 °C and + 40 °C.

Storage above 50 °C may lead to difficulties in removing the release liner when applying.

The product is not affected by frost.

APPLICATION

The membrane must be applied perpendicular to slope.

The membrane must be overlapped at the edge by at least 5-8 cm and on the top by at least 15 cm.

After installation, press the membrane well, being very careful about details such as corners, edges, connections and overlaps.

Protect the membrane from UV rays within one/two weeks after the installation.



The Technical data sheet of CE conformity is available



THE MATERIALS ARE NOT HAZARDOUS FOR NORMAL USES AND WHEN USED BY SKILLED PERSONS, IN PARTICULAR CONDITIONS, IT IS POSSIBLE TO CUT OR INJURE ONESELF. KEEP OUT OF REACH OF CHILDREN. FOR FURTHER INFORMATION REFER TO THE SAFETY DATA SHEET. THE MANUFACTURER LIMITS HIS LIABILITY TO THE USES AND APPLICATIONS DESCRIBED IN THIS DOCUMENT. BITUMEN AND BUTYL SEALANTS ARE DEFORMABLE PLASTIC PRODUCTS. DO NOT USE FOR PERMANENT FIXINGS OR IN LOAD BEARING APPLICATIONS INSTEAD OF A MECHANICAL FIXING. BITUMEN AND BUTYL ADHESIVES ARE SENSITIVE TO SOLVENTS. THE USER SHOULD PREVIOUSLY CHECK THE COMPATIBILITY OF THE PRODUCT WITH THE SURFACE IN TERMS OF ADHESION, CHEMICAL COMPATIBILITY AND STANDING OVER THE APPLICATION TEMPERATURE RANGE. THE FIGURES SHOWN ON THIS PRODUCT LEAFLET CAN VARY WITHIN A TOLERANCE OF +/-5%. THE MANUFACTURER RESERVES THE RIGHT TO CHANGE PRODUCT CHARACTERISTICS AT ANY TIME WITHOUT PRIOR NOTICE.

* The product dimensions may vary within defined ranges because of the product characteristics and its manufacturing process. For further information please visit www.isoltemagroup.com