Datasheet

EvaVap

Air & Vapour Control Layer (AVCL)
Self-adhesive Vapour Barrier

EvaVap is a self-adhesive bituminous membrane that forms a total 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 makes the membrane resistant to heavy worksite traffic.

BENEFITS



THE PRODUCT

- Forms a total vapour barrier
- Cold applied without use of flames
- Waterproof & self-adhesive
- Excellent puncture resistance
- High tear resistance and tensile strength
- Self-sealing
- Fast installation

DIMENSIONS & PACKAGING

- Length: 40m
- Thickness: 0.6mm
- Width: 1080mm
- Roll Weight: 28kg
- 25 rolls per pallet

USES

- For use in mechanically fastened and adhered roofing systems
- Vapour, radon and methane gas barrier for composite multilayer roofing and waterproofing
- Flat roofs

SURFACE PREPARATION AND INSTALLATION

All surfaces on which EvaVap membranes have to be installed must be dry, clean, smooth and free of impurities. If the surface is porous, apply a coat of EvaVap primer as per instructions. The use of EvaVap primer where application is to new, clean and oil free metal is generally not required. The use of EvaVap primer will maximise adhesion and is required on all vertical surfaces. To achieve the best result, proceed as follows: Unroll the membrane and align. Application must be perpendicular to the roof falls and overlapped at edges by 50-80mm and at least 150mm at roll ends. Remove the release film and evenly press down on the surface well being careful not to trap air pockets. Protect the membrane from UV rays within one/two weeks post installation. Suitable for use on most common substrates such as concrete, plywood/OSB and metal decks. The high integral strength of EvaVap withstands puncturing from foot traffic when used on profiled metal decks.

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. The product is not affected by frost.

TRAFFIC:

EvaVap is not suitable for withstanding pedestrian and vehicle traffic.

CAUTION AND SAFETY:

The material is not hazardous for normal uses and when used by skilled persons. In particular conditions, it is possible to cut or injure oneself, so wear protective gloves when working and keep out of reach of children. For further information refer to the Safety Data Sheet. The manufacturer disclaims all liability for product use and applications.

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CHARACTERISTICTS	VALUE	TEST
Thickness	0.6mm (other thickness available)	EN1849-1
Roll Weight	±28 kilos*	-
Tensile Strength	Long. >600 N/50mm | Trans. >600 N/50mm	EN12311-1
Elongation at Break	Long. >5% | Trans. >5%	EN12311-1
Static Load Resistance	Met. A 5Kg | Met.B 20Kg	EN12730
Tear Resistance (Nail Shank)	Long. 190N | Trans. 190N	EN12310-1
Peel Resistance of Joints	40N / 50mm	EN12316-1
Sheer Resistance of Joints	Long. >400 N/50mm | Trans. >400 N/50mm	EN12317-1
Impermeability Pass	≥ 60 Kpa	EN1928
Water Vapour Impermeability	>1,500m	EN12572
Water Vapour Resistance	Pass (Sd ≥ 1500m)	ISO EN12572
Application Temperature	+5°C / +45°C	-
Service Temperature	-40°C / +80°C	-
Fire Behaviour	Class E	EN13501-1
Inflammability Classification	B2	DIN4 4102

APPROVALS/STANDARDS	
EN 13970 type A e T	Flexible sheets for Waterproofing. Bitumen Vapour control layers
Water Vapour Resistance	Non-Hazardous
Total Volatile Organic Compound emissions (TVOC)	8µ/m^3 Tested by eco-INSTITUTE, following SINTEF standard, ISO 16000-6
Quality Management System	EN ISO 9001
CE Marked	EN 13970

**The figures shown in the data can vary with a tolerance of +/- 5%. Roll weight can vary with a tolerance of +/-10%*

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