



WPM 3000 XC

Stick and Seal

SELF-ADHESIVE BITUMINOUS MEMBRANE TOTAL VAPOUR, RADON AND METHANE GAS BARRIER. ROOF APPLICATION

Features

Waterproof

Self-Adhesive

Cold applied without use of flames

Total Vapour, Radon and Methane Gas Barrier

Protected by reinforced aluminium film

Excellent puncture resistance

Resistant to UV rays

Quick installation

Installation does not require skilled personnel

Elimination of risks deriving from the use of open flames

Unaffected by environmental pollution and ozone

Compatible with other waterproofing systems

Indian Green Building Council
M E M B E R

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Self-Adhesive Bituminous Membrane Total Vapour, Radon and Methane Gas Barrier. Roof Application

DESCRIPTION

WPM 3000 XC is a self-adhesive bituminous waterproofing membrane that forms a total barrier against vapour and gases. It consists of a self-adhesive bituminous compound and is self-protected by reinforced aluminium film. The polyester reinforced aluminium makes the membrane resistant to work site traffic. This membrane, designed to act as a barrier to vapour and gases, features an outer aluminium film and can therefore be exposed directly to the sun. It is not affected at all by ageing, but is affected by contact with the ground because of the aluminium film which oxidizes when in contact with mites, fresh concrete, etc. WPM 3000 XC is suitable for all Roof Applications.

USES

Membrane with total vapour, radon and methane gas barrier for composite multilayer waterproofing.

SURFACE PREPARATION AND INSTALLATION

All surfaces on which WPM 3000 XC have to be installed must be dry, clean, smooth and free of impurities. If the surface is porous, apply a coat of suitable Primer in a quantity of +/- 250 g/sqm. The use of suitable Primer is in any case advisable, and the manufacturers instructions must be followed. 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 overlap at the edge by at least 60/80 mm and on the top by at least 150 mm. After installation, press the membrane well, being very careful about details such as comers, edges, connections and overlap.

PROPERTIES

The values shown are typical of results obtained in the laboratory condition. Actual performance values obtained on site may vary from those quoted.

PHYSICAL PROPERTIES

WPM 3000 XC

Thickness 1.2 mm
EN 1849-1

Adhesion to primed concrete > 250 N
ASTM D 1000

Adhesion to steel > 250 N
ASTM D 1000

Tensile Strength
EN 12311-1 Long. > 200 N/50 mm
Trans. >200 N/50 mm

Elongation at Break
EN 12311-1 Long. > 20%
Trans. > 20%

Static Load Resistance
EN 12730 Met. A 15Kg
Met. B 20Kg

Tear Resistance
EN 12310-1 Long. 70 N
Trans. 70 N

Peel Resistance of Joints
EN 12316-1 35 N/50 mm

Impermeability
EN 1928 ≥ 60 Kpa

Vapour Transmission Rate
EN 1931 $Sd \geq 1500$ m

Radon Transmission Rate
SP Swedish Nat. Testing
& Research Institute 0.47×10^{-9} m/s

Permeability to Radon Gas
SP Swedish Nat. Testing
& Research Institute 0.56×10^{-12} m²/s

Permeability to Methane Gas <5 cc/m² x 24 h x atm
CSI Method

Application Temperature +5°C / +45°C

Service Temperature -40°C / +80°C

PACK SIZE

WPM 3000 XC is available in rolls of 1 mt x 25 mt with 1.2 mm thickness.

Other lengths and thicknesses are available on request. The rolls are packed individually in cardboard boxes and placed on pallets.

STORAGE AND SHELF LIFE

WPM 3000 XC has a shelf life of 12 months if kept in a dry, store between 5°C and 40°C .

The product is not affected by frost. WPM 3000 XC is not suitable for withstanding regular pedestrian and vehicle traffic.

PRECAUTIONS

The materials is 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.

DISPOSAL/SPILLAGE

Spillage of any of the component products should be absorbed onto sand or other inert materials and transferred to a suitable disposable vessel. Disposal of such spillage or empty packaging should be in accordance with local waste disposal authority regulations.

For further information please refer to the Product Safety Data Sheet.

CONDITIONS OF SALE

Sold subject to the Company's conditions of sale which are available on request.

NOTE

The information supplied in this datasheet is based upon extensive experience and is given in good faith in order to help you. Our Company policy is one of continuous Research and Development; we therefore reserve the right to update this information at any time without prior notice. We also guarantee the consistent high quality of our products; however as we have no control over site conditions or the execution of the work, we accept no liability for any loss or damage which may arise as a result thereof.