



WPM 3000 X

High performance, self-adhesive waterproofing membrane

DESCRIPTION

WPM 3000 X is a cold applied self-adhesive, flexible, waterproofing and sealing membrane made from rubber modified bitumen compound with tear resistant cross laminated polythene film on its upper side and removable silicone film on the underside.

STANDARDS

WPM 3000 X membranes comply with the performance requirements and tolerance level of UEAtc (European Union Technical Agreement) and ASTM (American Society for Testing and Materials).

USES

- Waterproofing in areas where the use of fire/flame is not possible
- Waterproofing structural concrete and masonry walls
- Waterproofing and protection of underground structures
- Waterproofing membrane for inverted roofing systems
- Waterproofing of balconies, bathrooms, swimming pools, tunnels, etc.,

FEATURES

- Cold applied, does not require any heating
- Easy, quick and clean to install
- Permanent flexibility and protection against water
- Effective water and vapour barrier
- Absorbs substrate movement
- Root resistant & Tear resistant
- Does not contaminate ground water

PHYSICAL PROPERTIES

Softening point ASTM D 36	105 ± 5°C
Penetration ASTM D 5	50 ± 5 dmm @ 25°C
Low temperature cold flexibility ≤ -15°C ASTM D 1970	
Heat resistance ASTM D 5147	No flow @ 80°C
Tensile strength (Film) (L/T) ASTM D 882	45/50 N
Tear strength (Film) (L/T) ASTM D 882	330/320 N
Puncture resistance ASTM D-1004	>210 N
Hydrostatic pressure (50m) ASTM E 154	No leakage @ 5bar
Lap Joint strength BS EN 12390 (part B)	2.0 - 2.5 N/mm

Water absorption ASTM D 1000	0.15 %wt. @ 23°C, 24hrs
Impermeability to water ASTM D 570	Pass

PACKING

Nominal roll length: 20 m
Nominal roll width: 1 m
Nominal thickness: 1.5 mm.
Note: Other thickness and lengths can be customized based on project requirements.

COVERAGE

Waterproofing Membrane - WPM 3000 X - Flat Areas: approx. 1.1 m /m per layer with min. 50mm overlaps and min. 100mm end laps.
Average wastages: 2-3%.

Bituminous Primer - WPM 241 - Smooth Surface: approx. 0.3 - 0.4 litre/m @ 100 microns DFT

APPLICATION INSTRUCTIONS

Surface Preparation

The substrate must be sound, free of loose aggregate and sharp protrusions. The surface does not need to be dry, but standing water must be removed to prevent contamination of overlaps.

Priming

Using a brush or roller apply WPM 241 on the prepared substrate and allow it to dry. Prime only the area which will be covered by the membrane in a particular working day. Primed areas not covered with membrane within 24 hours should be re-primed. No primer is required on metal or plastic surface.

Installation of membrane

All angles must be filled with cement mortar or bitumen mastic. Prepare angles, edges, corners, horizontal joints using strips of WPM 3000 X membrane for reinforcement and better adhesion of the membrane. Slowly and uniformly peel back the release film over a width of about 30 cm. at the start of the membrane. Lay the adhesive side on the substrate and press it into contact. Uniformly peel back the release film further simultaneously pressing the membrane firmly against the substrate with a cloth or soft brush starting at the centre and going towards the edges to prevent the formation of bubbles. Adjacent rolls are aligned and overlapped minimum 50mm at side and 100mm at ends. The overlap should be pressed strongly using a rubber roller after removing the silicone release film. WPM 3000 X membrane should not be applied below -5 C. It should not be exposed to weathering and protected suitably.

STORAGE

The rolls must be stored vertically in a covered area, away from direct sunlight, UV and other sources of heat. For best performance, the product should be used within 12 months from the date of production. Excessive exposure to sunlight and UV will result in the deterioration of the product quality.

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DISPOSAL

Disposal of empty packaging should be in accordance with local waste disposal authority regulations.

For further information please refer to the Material 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.



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