

# WPM 3000 X

## High Performance, Self-adhesive SBS 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 polyethylene film on its upper side providing superior puncture and damage resistance. WPM 3000 X needs to be topped with a protective screed or reflective coating, if required to protect from harmful UV radiation.

Apparent Shear Strength	ASTM D1002-10 (2019)	>0.5 kg/cm <sup>2</sup>
Softening Point	IS 1205	> 110 Deg
Penetration	IS 1203	20±5
Water Absorption	ASTM D70	0.2% Max

### 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, tunnels, etc.,
- Waterproofing membrane for inverted roofing systems

### FEATURES

- Cold applied, does not require any heating or flame torch during application.
- Excellent adhesive property and good dimensional stability.
- Easy, quick and clean to install
- Maintains greater flexibility even at low temperatures.
- Effective water and vapour barrier
- Does not contaminate ground water
- Good chemical resistance and highly resistant to ageing, tearing and perforation

### PHYSICAL PROPERTIES

Test Properties	Test method	Specification
Thickness of Membrane, mm	ASTM D5147	1.5 ± 5%
Mass per unit area, kg/m <sup>2</sup>	ASTM D5147	1.6 ± 5%
Tensile Strength Longitudinal Transversal	ASTM D 412	>250 N >350 N
Tear Strength Longitudinal Transversal	ASTM D 1004:2021	> 19 N > 23 N
Elongation (compound membrane)	ASTM D412	>250
Puncture Resistance	ASTM E154-08A CL 10 (2011)	>250 N
Peel adhesion to concrete, N/mm	ASTM D903-98	> 1.0 N/mm
Low Temperature Cold Flexibility	IS 13286 (Part 2): 2022	Observed No Crack

### PACKING

#### WPM 3000 X

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.

#### WPM 240

20 ltrs containers

### COVERAGE

Waterproofing Membrane -WPM 3000 X

approx.1.12 m<sup>2</sup> /m<sup>2</sup> with min.100mm overlaps and min.100mm end laps.

Primer - **WPM 240** (cold applied, solvent based rubber modified synthetic chlorinated primer)- approx. 3.5-4.5 sqm/ltr

\*Coverage may vary depending upon the surface condition, temperature, wind velocity, application skills, surface roughness, surface porosity and quality of substrate.

### 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 240** 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. 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 100mm at side and 100mm at ends. The overlap should be

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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.

**WPM 240** Primer has a shelf life of 12 months from the date of manufacturing when stored in un-opened, original sealed and dry condition. Keep it away from fire or any heated body.

### 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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