

BMA PU WATER PROOFING MEMBRANE

Code: BMA-PIN

Color: White

PROPERTIES

BMA-PIN is a one component membrane, formulated to isolate the surface and avoid the risk of humidity migration. It has an extreme protection against UV light, thermal, chemical and mechanical impact. BMA PU Water Proofing Membrane forms an elastic and durable film resistant to all weather conditions influence. It could be used for waterproofing purposes in swimming pools, balconies, facades, industrial, commercial and residential buildings.

RECOMMENDED USES

BMA PU Water Proofing Membrane is used for:

- ✓ Cement mortar
- ✓ Asphalt membranes
- ✓ Gypsum wallboards
- ✓ Concrete and brick masonry
- ✓ Metal roofs

PERFORMANCE BENEFITS

- ✓ Barrier against water leakage
- ✓ Protection of concrete and reinforced steel from corrosion
- ✓ Resistance to fungal growth
- ✓ Protection from UV light, fracturing and mechanical stresses
- ✓ A non-flammable protection
- ✓ Easily washable with water
- ✓ Easy to apply

CHARACTERISTIC PHYSICO-CHEMICAL DATA

Tests	Norms	Results
Total solids, by weight	ASTM D2369	55.5%
Total solids, by volume	ISO 3233	44.5%
Specific gravity (g/cm ³)	ASTM D1475	1.2
Dry opacity (Contrast ratio at 150µm WFT ⁽¹⁾)	-	> 0.94
Spreading rate at 200 µm DFT ⁽²⁾	-	2.3 m ² /L

¹⁾WFT: Wet Film Thickness

²⁾DFT: Dry Film Thickness

APPLICATIONS GUIDE

Surface Preparation

Before applying BMA PU Water Proofing Membrane, all necessary pretreatment must be done. Surface should be clean, dry and free of all contaminants (oils, agents, dust, dirt, etc...) in order to avoid the risk of surface failing.

Concrete substrate must be well prepared in order to avoid any coating defects.

For new surface, ensure that concrete is completely cured at least 30 days.

For both fresh and old concrete, decontamination is required to remove any dust, oil, grease, laitance, fatty acids or any additional contaminants. Use a solution of water and ammonia to clean the new surface. And for the old surface, use a rubbing paper to remove any remaining paint residues.

Allow concrete substrate to dry then check the moisture and the pH of the substrate. Ensure that the pH is between 6 and 9 since alkalinity can affect and destroy paint adhesion. For the moisture content, make sure that it does not exceed 4% (by weight). Otherwise, the concrete surface is not a good candidate for painting.

Thinning

If thinning is required, use 50% of BMA Xylene BMA-XYL for applying the first coat of BMA-PIN using a roller.

Application

BMA PU Water Proofing Membrane should be applied in a well-ventilated area where the humidity does not exceed 85% and the temperature varies between 5°C and 35°C.

The application must be done after sufficient stirring on a clean and dry surface using a roller.

The first layer should sufficiently dry for 8 hours before being covered with the second one. This latter should not be thinned and a minimum 3 days of curing period is required before overcoating.

Drying Time

Surface (Touch) Dry: 2 hours

Dry to over coat: 8 - 12 hours

Full cure time: 3 days

AVAILABLE PACKAGING

Gallon = 3.786 L; Pail = 20 L

SHELF LIFE

BMA PU Water Proofing Membrane should be stored in closed and undamaged containers in a well-ventilated area where the humidity does not exceed 85% and the temperature varies between 5°C and 35°C. The storage must be done away from direct exposure to sunlight and far away from freezing and heating source.

Under the above-mentioned conditions, the shelf-life BMA PU Water Proofing Membrane will be 2 years. After this period, the paint quality is subjected to re-inspection. Proper handling is required to maintain good quality.

HEALTH & SAFETY

Before using this product please consult our Safety Data Sheet (SDS) for complete information on Hazards Identification, First-Aid and Fire-Fighting Measures, Accidental Release Measures, Handling and Storage, Exposure Control and Personal Protection, Stability and Reactivity, Toxicological Information, and Transport Information.

QUALITY ASSURANCE

BMA Commercial & Industrial s.a.l is a holder of the ISO 9001:2015 and ISO 45001:2018 certificates, which guarantees that all operations are conducted in compliance with International Standards.

TDS.66 - Edition #: 2

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