BMA INSULATOR

Code: BMA-INS060

Color: White

PROPERTIES

BMA Insulator is a one component water-based styrene acrylic emulsion that acts as a supreme isolation for several types of roofing substrates (roofs, walls and ceilings). It is formulated with a high quality to seal cracks, holes and irregularities. BMA Insulator provides a long-lasting protection from ultraviolet radiation, dirt adherence to the surface, ozone, rain and snow effect. With its elastomeric property, it is able to stretch and return to its original shape without losing any of the protection properties. It forms a coherent film at normal and very low temperatures (-4ºC).

RECOMMENDED USES

BMA Insulator could be used for:

- ✓ Concrete and build-up roofing
- ✓ Metal roofs
- ✓ Asphalt membranes
- ✓ Clay and concrete tiles

PERFORMANCE BENEFITS

- ✓ Waterproofing and weatherproofing properties
- ✓ UV protection and solar reflectivity leading to an anti-aging characteristic
- ✓ Sealing cracks, pores & irregularities
- ✓ Resistance to dirt fungi, and algae grow up
- ✓ A long lasting roof isolation
- ✓ Cooling cost savings by reduction of temperature extremes found on roofs

CHARACTERISTIC PHYSICO-CHEMICAL DATA

Tests	Norms	Results
Total solids, by weight	ASTM D2369	59.18%
Total solids, by volume	ISO 3233	48.67%

Nahr El Mot, 55091 - Lebanon
Tel.: +961 1 885385/485
Fax: +961 1 885685
E-mail: customerservice@bmapaints.com
www.bmapaints.com

Total pigments, by weight	ASTM D 3723	30%
Specific Gravity (g/cm^3)	ASTM D1475	1.281
Viscosity, @ 25°C	ASTM D562	40 P
Dry opacity (Contrast ratio at 150µm WFT (1))	-	> 0.95
Elongation at break	DIN 53455	600%
Washability & scrub resistance	ASTM D2486	> 1000 cycles
Spreading rate at 200 µm DFT (2)	-	2.4 m²/L

1)WFT: Wet Film Thickness
2)DFT: Dry Film Thickness

APPLICATIONS GUIDE

Surface Preparation

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

Concrete surfaces:

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. Acid etching is recommended using Eksen Kimya Hydrochloric Acid Solution. Decontamination could be also done using detergent scrubbing, low pressure water cleaning, or steam.

After cleaning, fill and repair any surface irregularities (cracks, holes and pores) with the cementitious mixture with BMA Silica Powder.

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

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If thinning is required, apply the first layer of the insulator with a brush or a roller after dilution with 80 to 100% of water and the second layer after dilution with 40 to 50% of water and the third layer from 0 to 20% of water.

Application

BMA Insulator should be applied in a well-ventilated area where the humidity does not exceed 85% and the temperature is between 5°C to 35°C.

Follow the below recommended system to provide a maximum protection to the substrate after a well cleaning, drying and removal of contaminations and dust residues:

- Apply the first layer of BMA Insulator, let it dry for 6-7 hours then continue with the second layer.
- Let dry for 6-7 hours and finalize with the third layer of BMA Insulator.
- Let the system dry for 12 hours then if necessary finalize with a BMA Water Based Paint.

Drying Time

Surface (Touch) Dry: 2 hours
Dry to over coat: 8 - 12 hours
Full cure time: 3 days

AVAILABLE PACKAGING

1 Kilo kit

SHELF LIFE

BMA Insulator should be stored in undamaged and unopened containers in a well-ventilated area where temperature varies between 5°C and 35°C. The product must be kept away from any heat or freezing source.
Under these storage conditions, the shelf life of BMA Insulator will be 2 years. After this period, its quality will be subjected to re-inspection. Proper handling is essential 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.

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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.

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IMPORTANT: The statements, technical information and recommendations contained herein are believed to be accurate. Since the conditions and methods of use of the product and of the information referred to herein are beyond our control, BMA Commercial & Industrial s.a.l expressly disclaims any and all liability as to any results obtained or arising from any use of the product or reliance on such information.

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