

BMA WATER BASED POOL INSULATOR

Code: 1BM-RCW

PROPERTIES

A water-based acrylic resin pool insulator formulated to improve waterproofing and to fill tiny cracks, providing a uniformed coat for the insulation of surfaces that are in constant proximity to water and moisture. It provides a long-lasting protection from ultraviolet radiation, dirt adherence to the surface, ozone, rain and snow effect. After drying it has high elasticity and does not crack due to expansion, shrinkage or structural subsidence.

RECOMMENDED USES

BMA water-based pool insulator could be used for:

- ✓ Concrete and cement surfaces

PERFORMANCE BENEFITS

- ✓ Waterproofing and weatherproofing properties
- ✓ UV protection and solar reflectivity leading to an anti-aging characteristic
- ✓ Resistance to dirt fungi, and algae grow up
- ✓ A long-lasting pool isolation
- ✓ Resistant to temperature change

CHARACTERISTIC PHYSICO-CHEMICAL DATA

Data corresponding to BMA Pool insulator water based (**BMA-RCW**)

Tests	Norms	Results
Total solids, by weight	ASTM D2369	60%
Total solids, by volume	ISO 3233	50%
Total pigments, by weight	ASTM D 3723	30%
Specific Gravity (g/cm ³)	ASTM D1475	1.3
Viscosity, @ 25°C	ASTM D562	40 Poises
Spreading rate at 200 µm DFT ⁽²⁾	-	2.4 m ² /L

¹⁾WFT: Wet Film Thickness

²⁾DFT: Dry Film Thickness

APPLICATIONS GUIDE

Surface Preparation

Before applying BMA Pool 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

If thinning is required, apply the first layer of BMA-RCW 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 water-based pool insulator should be applied in a well-ventilated area where the humidity does not exceed 85% and the temperature is between 10°C to 40°C.

- Apply the first layer of the pool insulator using a roller, 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 Pool Insulator.
- Let the system dry for 12 hours.

Drying Time

Surface (Touch) Dry: 2 hours

Dry to over coat: 8 - 12 hours

Full cure time: 3 days

AVAILABLE PACKAGING

4L Gallon; 19L Pail

SHELF LIFE

BMA Pool insulator should be stored in undamaged and unopened containers in a well-ventilated area where temperature varies between 10°C and 40°C. The product must be kept away from any heat or freezing source.

Under these storage conditions, the shelf life of BMA Pool 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.

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. 205 - Edition #: 2

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