

DATASHEET

DIMAP WATERPROOF ACRYLIC WATER BASED ROOF COATING FOR EXTERIOR

PROPERTIES

A water-based styrene acrylic modified roof coating formulated to act as a waterproofing supreme isolation for several types of roofing substrates. It provides a long-lasting protection from ultraviolet radiation, dirt adherence to the surface, ozone, rain and snow effect, it is also able to seal holes and cracks. With its elastomeric property, the product is able to stretch and return to its original shape without losing any of the protection properties. It could be applied over any type of roofs, walls and ceilings.

RECOMMENDED USES

DIMAP Roof Coating 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
- ✓ 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	56%

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Total solids, by volume	ISO 3233	46%
Total pigments, by weight	ASTM D 3723	26%
Specific Gravity (g/cm ³)	ASTM D1475	1.2
Viscosity, @ 25°C	ASTM D562	40 Poises
Dry opacity (Contrast ratio at 150µm WFT ⁽¹⁾)	-	> 0.95
Spreading rate at 200 µm DFT ⁽²⁾	-	2.3 m ² /L

¹⁾WFT: Wet Film Thickness

²⁾DFT: Dry Film Thickness

APPLICATIONS GUIDE

SurfacePreparation

Before applying DIMAP Roof Coating, 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 DIMAP 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 DIMAP-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

DIMAP Roof Coating should be applied in a well-ventilated area where the humidity does not exceed 85% and the temperature is between 10°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 DIMAP-RCW, 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 DIMAP Roof Coating.
- Let the system dry for 12 hours then, if necessary, finalize with a DIMAP Water Based Paint.

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

DIMAP Roof Coating 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 DIMAP Roof Coating will be 2 years. After this period, its quality will be subjected to re-inspection. Proper handling is essential to maintain good quality.



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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.