



DATASHEET

DIMAP ROOF COATING

Color: White

PROPERTIES

DIMAP Roof Coating is a water-based styrene acrylic modified roof coating with a sanding finish, formulated to act as a supreme isolation for several types of roofing substrates. It is able to provide a long lasting protection from ultraviolet radiation, dirt adherence to the surface, ozone, rain and snow effect. With its elastomeric property, DIF-RCW120 is able to stretch and return to its original shape without losing any of the protection properties. DIMAP Roof Coating is applied on walls, ceilings, concrete floors.

RECOMMENDED USES

DIMAP Roof Coating could be used for:

- ✓ Concrete and build-up roofing
- ✓ Asphalt membranes
- ✓ Under tiles in kitchens, bathrooms, where humidity is high
- ✓ As a water-proofing and heat-reflective coating on roofs
- ✓ As a water-proofing primer under outdoor textured coatings

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
- ✓ Minimizing the slippage on horizontal surfaces due to the sanding finish

CHARACTERISTIC PHYSICO-CHEMICAL DATA

Tests	Norms	Results
Total solids, by weight	ASTM D2369	60.38 %
Consistency, at 25°C	ASTM D562	40 Poises
Specific Gravity (g/cm ³)	ASTM D1475	1.322
Total Volatile Organic Compound (VOC)	ASTM D3960	32.2 g/L
Spreading Rate at 250 µm DFT ⁽¹⁾	-	2 m ² /L
Recommended WFT ⁽²⁾ at 5% Dilution	-	536 µm

¹⁾ DFT: Dry Film Thickness

²⁾ WFT: Wet Film Thickness

APPLICATIONS GUIDE

Surface Preparation

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 for 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 fortified.

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

Apply the first layer of DIF-RCW120 with a brush or a roller after dilution with 80 to 100% of tap water and the second layer after dilution with 40 to 50% of tap water and the third layer form 0 to 20% of tap water.

Application

DIMAP Roof Coating should be applied in a well ventilated area where the humidity does not exceed 75% 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 DIF-RCW120, let it dry for 6-8 hours then continue with the second layer.
- Let dry for 6-8 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

Through dry: 4 hours

Dry to over coat: 6-8 days

AVAILABLE PACKAGING

1 US Gallon = 3.786 L; Pail = 17 L

STORAGE CONDITIONS & 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 1 year. After this period, its quality will be subjected to re-inspection. Proper handling is essential to maintain good quality.



DATASHEET

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.