

BMA UNDERBODY COATING

Code: 1BM-UBS114

Color: Black

PROPERTIES

An alkyd based underbody coating, designed to be used under any type of synthetic oil based coatings. With its high adhesion property and good weathering resistance, BMA Underbody Coating could be applied as a protective insulator for interior and exterior damped concrete walls in order to improve the paint system performance.

RECOMMENDED USES

BMA Underbody Coating could be used for:

- ✓ Concrete walls
- ✓ Cement plaster
- ✓ Infrastructures construction

PERFORMANCE BENEFITS

- ✓ Waterproofing and weatherproofing properties
- ✓ Long lasting protection
- ✓ Barrier against water leakage
- ✓ Great coverage
- ✓ High opacity
- ✓ Quick drying

CHARACTERISTIC PHYSICO-CHEMICAL DATA

Tests	Norms	Results
Total solids, by weight	ASTM D3960	83%
Specific Gravity (g/cm ³)	ASTM D1475	1.6
Consistency, at 25°C (Poise)	ASTM D562	35 ± 5

Dry opacity; contrast ratio at 150µm	-	> 0.95
Spreading Rate at 40µm DFT ⁽¹⁾	-	16 m ² /L

¹⁾ DFT: Dry Film Thickness

APPLICATIONS GUIDE

Surface Preparation

Before applying BMA Underbody Coating, 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 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. This could be done using detergent scrubbing, low pressure water cleaning, or steam.

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

For the first layer, use 50 to 60% of BMA White Spirit, Toluene or Benzene and for the second one use 10 to 15% of the same solvents for an application using a brush, roller or spraying system.

Application

BMA Underbody Coating should be applied in a well-ventilated area where the humidity does not exceed 80% and the temperature varies between 5°C and 40°C.

The application can be done with a brush, roller or air spraying system on a clean and dry surface.

It is recommended to apply two layers sufficiently diluted in order to obtain maximum surface protection and insulation.

Drying Time

Surface (Touch) Dry: 2 hours

Through Dry: 8 hours

AVAILABLE PACKAGING

US Gallon = 3.786 L; Pail = 20 L

SHELF LIFE

BMA Underbody Coating should be stored in closed and undamaged containers in a well-ventilated area where the temperature varies between 10 and 40°C. The product must be kept away from direct exposure to sunlight or any heat or flame source.

Under these conditions, the shelf life of BMA Underbody Coating will be 2 years. After this period, the product quality is 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.

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