

BMA SEMI RUBBER EMULSION ANTI-BACTERIAL & INSECT REPELLENT

Code: 1BM-APD

Color: Catalogue colors

PROPERTIES

BMA Semi Rubber Emulsion is a vinyl acetate copolymer emulsion based paint formulated with an excellent bacterial resistance for use on interior and exterior walls and ceilings. The anti-bacterial function extends the product's lifetime, minimizes the potential for cross contamination and reduces the risk of a bad odor. BMA-IPD is washable and wipeable, providing a tough finish that is resistant to condensation, yellowing and most household stains. Its outstanding durability and hygienic property make it ideal for use in kitchens, bathrooms, hotels, hospitals, pharmaceuticals and public buildings.

RECOMMENDED USES

BMA Semi Rubber Emulsion Anti-Bacterial & Insect Repellent could be used for walls and ceilings on:

- ✓ Concrete
- ✓ Gypsum boards
- ✓ Plaster
- ✓ Primed wooden surfaces

PERFORMANCE BENEFITS

- ✓ Extreme anti-bacterial activity
- ✓ Excellent dirt pick up resistance
- ✓ Inhibition of growth of bacterial odours
- ✓ Environmentally friendly
- ✓ A long term performance
- ✓ Wipeable finish
- ✓ Flat finish
- ✓ Excellent coverage

- ✓ Easy washable

CHARACTERISTIC PHYSICO-CHEMICAL DATA

Tests	Norms	Results
Total solids, by weight	ASTM D2369	57%
Consistency, at 25°C	ASTM D562	120 KU
Specific Gravity (g/cm ³)	ASTM D1475	1.5
Dry opacity; contrast ratio at 150µm (White)	-	> 0.95
Scrubbability on 200µm WFT ⁽¹⁾	ASTM D2486	> 1200 cycles
Recommended WFT ⁽¹⁾ at 20% Dilution	-	112 µm
Recommended WFT ⁽¹⁾ at 30% Dilution	-	122 µm
Spreading Rate at 35µm DFT ⁽²⁾	-	10.7 m ² /L

¹⁾ WFT: Wet Film Thickness

²⁾ DFT: Dry Film Thickness

APPLICATIONS GUIDE

Surface Preparation

Before applying BMA-IPD, 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 substrate must be well prepared in order to avoid any coating defects.

For new concrete 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. If needed, an ammonia solution could be used for a well cleaning.

Priming

For light colors of BMA Semi Rubber Emulsion Anti-Bacterial & Insect Repellent:

- Apply one coat of BMA Sealer White BMA-SEW151. Thinning could be done with 25 to 50% (for brush or roller application) and 35 to 75% of water (for air spraying application).

For dark colors of BMA Semi Rubber Emulsion Anti-Bacterial & Insect Repellent - :

- Apply one coat of BMA Sealer Clear BMA-SEW150. Thinning could be done with 30 to 60% (for brush or roller application) and 35 to 85% of water (for air spraying application).

Thinning

Use 15 to 20% of water when applying using a brush or roller, and 20 to 25% of water for air spraying application.

Application

BMA-IPD should be applied on a clean and dry surface in a well-ventilated area where the humidity does not exceed 75% and the paint temperature less than 5°C. Otherwise, more thinning will be required and extra water could affect the opacity and the sag resistance.

To obtain the best result, follow the below steps and apply the recommended systems:

For new surface application:

- If the wall is in good conditions: apply one layer of BMA Extra Fill Putty BMA-PUW010 followed by two layers of BMA Ultra Fine Putty BMA PUW020.
- If the wall is in bad conditions: apply two layers of BMA Extra Fill Putty BMA-PUW010 followed by one layer of BMA Ultra Fine Putty BMA-PUW020.
- A drying period of 12 hours is required between putty layers application.
- Rub the surface using a 150 – 180 grit rubbing paper.
- Clean the substrate with a soft broom or an air pressure system.
- Apply the designated BMA Sealer or BMA Water Based Undercoat (BMA-UNW) and let the surface dry for 12 hours as well.
- Apply one coat of BMA-IPD used as a checking layer in order to cover any remaining holes or uncovered areas by BMA Putty.
- Rub the checking layer after 24 hours with a 180 – 220 grit rubbing paper.
- Clean the substrate with a soft broom or an air pressure system.
- Finalize with two coats of BMA-IPD after thinning and using a brush, roller or air spraying system. Between the two layers application, rub the surface with a 220 grit rubber paper.

For pre-painted surface application:

- Rub the surface with a fine waterproof abrasive paper followed by a well rinsing.

- Apply minimum two layers of water based BMA Putty: at least one layer of BMA Extra Fill Putty BMA-PUW010 followed by at least one layer of BMA Ultra Fine Putty BMA PUW020.
- Rub the surface after 12 hours using a 150 – 180 grit rubbing paper.
- Continue with the same steps recommended for a new surface application.
- If the pre-painted surface is in good condition, a direct application of BMA Semi Rubber Emulsion Anti-Bacterial & Insect Repellent over a water based paint could be done.

Drying Time

Surface (Touch) Dry: 1 hour

Dry to over coat: 4 hours

Through dry: 12 hours

AVAILABLE PACKAGING

1 US Gallon = 3.786 L; 5 US Gallons Pail = 18.9 L

SHELF LIFE

BMA-IPD should be stored in undamaged and unopened containers in a well-ventilated area where the temperature varies between 5 and 35°C and far away from any heat or freezing source or a direct exposure to sunlight.

Under these conditions, the shelf life of BMA-IPD will be 18 months. After this period the product 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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