

BMA ACRYLIC LATEX SUPER FINE ANTI-BACTERIAL

Code: BMA-APB

Color: Catalogue Colors

PROPERTIES

Acrylic Latex Super Fine Anti-Bacterial is an acrylic emulsion formulated to provide excellent protection against microbial growth as well as a scrub resistance and an enhanced adhesion to the surface. With its indoor and outdoor application properties and its prolonged lifetime, BMA Acrylic Latex Super Fine Anti-Bacterial is a recommended matt finishing for a wide range of walls and ceilings types in houses, hospitals, commercial buildings and offices.

RECOMMENDED USES

BMA Acrylic Latex Super Fine Anti-Bacterial is used for:

- ✓ Walls and ceilings
- ✓ Masonry cement surfaces
- ✓ Building materials
- ✓ Gypsum based plasters

PERFORMANCE BENEFITS

- ✓ Barrier against dust and bacteria growth and pick-up
- ✓ Extreme adhesion to the surface
- ✓ Resistance to UV light and weather conditions
- ✓ High level matt finishing
- ✓ Withstanding heavy weights
- ✓ Easy applicable
- ✓ Quick drying ability and long durability
- ✓ Low odor and easy water clean-up
- ✓ Hygienic and safe to use

CHARACTERISTIC PHYSICO-CHEMICAL DATA

Data related to the **Acrylic Latex Super Fine Anti-Bacterial, white color**.

| Tests | Norms | Results |
|--|------------|------------------------|
| Total solids, by weight | ASTM D2369 | 55.75% |
| Total solids, by volume | ISO 3233 | 43.03% |
| Total pigments, by weight | ASTM D3723 | 37.60% |
| Specific Gravity (g/cm ³) | ASTM D1475 | 1.441 |
| Consistency, at 25°C | ASTM D562 | 14 P |
| Dry opacity; contrast ratio at 150µm (White) | - | 0.95 |
| Spreading Rate at 35µm DFT ⁽¹⁾ | - | 11.9 m ² /L |

¹⁾ DFT: Dry Film Thickness

APPLICATIONS GUIDE

Surface Preparation

Before applying BMA Acrylic Latex Super Fine Anti-Bacterial, 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 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. This could be also done using 3% solution of ammonia in water.

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.

Priming

Following a sufficient preparation of the substrate, apply one coat of BMA Water Based Sealer BMA-SEW151 after dilution with 25 to 50% of water when applying with a brush

or roller, or with 35 to 75% of water when applying with an air spraying system under the light colors of BMA-APB.

For the dark colors of BMA-APB, use BMA-SEW150 after being diluted with 30 to 60% with water for brush or roller application, or with 35 to 85% of water for air spraying application.

Thinning

If thinning is required, use 15 to 20% (for brush or roller application) and 20 to 25% of water (for air spraying application).

Application

BMA Acrylic Latex Super Fine Anti-Bacterial should be applied in a well-ventilated area where the humidity does not exceed 85% and the temperature varies between 5°C and 35°C.

The application must be done on a clean and dry surface using a brush, roller or air spraying system. To obtain the expected results, follow one of the following recommended systems based on the substrate aging conditions:

On a new surface:

- Rub the surface until smoothing before any type of application.
- When 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. When it is in good conditions, apply one layer of BMA-PUW010 followed by two layers of BMA-PUW020.
- Let the putties dry for 12 hours between each layer then rub the last layer after total dryness with a 150 – 180 grit paper and clean the surface from any dust residues.
- Apply one coat of BMA Water Based Sealer BMA-SEW150 or BMA-SEW151 and let it dry for 12 hours.
- Apply one layer of BMA-APB and consider it as a “checking layer” to cover all remaining pores and areas uncovered with BMA Putties.
- After 24 hours, rub the surface with a 180 – 220 grit paper and finalize the system with two coats of BMA-APB after sufficient dilution using a brush, roller or air spraying system

On a pre-painted surface:

- If the surface is in bad conditions, rub with a fine waterproof abrasive paper to remove any remaining old paint then continue the system as recommended for a new surface.

- When the pre-painted surface is in good conditions, a direct application of BMA-APB could be done.

Drying Time

Surface (Touch) Dry: 1 hour
Dry to over coat: 12 hours
Full Cure: 24 hours

AVAILABLE PACKAGING

Gallon = 4L; Pail = 17L

SHELF LIFE

BMA Acrylic Latex Fine Anti-Bacterial should be stored in a closed and unopened container in a well-ventilated area where the humidity does not exceed 85% and the temperature varies between 5°C and 35°C. The storage must be done far away from any heating or freezing source.

Under these conditions, the shelf life of BMA-APB will be 1 year. 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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