BMA ACRYLIC LATEX SUPER FINE

TECHNICAL DATA SHEET

Product Code: 1BM-PAB
Hardener Code (if applicable): Not Applicable

I. Product Description

BMA Acrylic Latex Super Fine 1BM-PAB is an acrylic emulsion designed to deliver excellent scrub resistance and superior adhesion, minimizing the risk of cracking and peeling. It provides robust resistance to weathering, dirt, and fungal growth. Suitable for both interior and exterior applications, BMA Acrylic Latex Super Fine is recommended as a matt finish for a wide range of walls and ceilings, including those in residential, commercial, and healthcare buildings.

II. Product Performance Characteristics

- Extreme adhesion to the surface
- Great resistance to dirt pick-up, 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

III. Areas of Application

BMA Acrylic Latex Super Fine is used for:

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

IV. Technical Specifications

Data for BMA Acrylic Latex Super Fine 1BM-PAB:

Parameter	Norm/Standard	Result
Total Solids, by weight (%)	ASTM D2369	60.18
Total Solids, by volume (%)	ISO 3233	44.08

Total pigments, by weight (%)	ASTM D3723	42
Viscosity at 25°C (P)	ASTM D562	15
Specific Gravity (g/cm^3)	ASTM D1475	1.435
Total Volatile Organic Compound (VOC) (g/L)	ASTM D3960	5
Practical Spreading Rate (m^2/L)	-	10.58-13.23
Contrast ratio at 150µm thickness (%)	-	95
Diluent	-	Clean Water
Dilution Rate (%)	-	20-25

[1] *DFT: Dry Film Thickness*
[2] *WFT: Wet Film Thickness*

V. Application Procedure

Surface Preparation

Before applying BMA Acrylic Latex Super Fine, 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. This could be also done using 3% solution of ammonia in water followed by a well rinsing could be used for a well cleaning.

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 1BM-SEW 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.

Thinning

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

Application

BMA Acrylic Latex Super fine 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 1BM-PUW010 followed by one layer of BMA Ultra Fine Putty 1BM-PUW020. When it is in good conditions, apply one layer of 1BM-PUW010 followed by two layers of 1BM-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 solvent based undercoat 1BM-UNS and let it dry for 12 hours.
- Apply one layer of 1BM-PAB 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 to three coats of 1BM-PAB after sufficient dilution using a brush, roller or air spraying system (not recommended).

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 1BM-PAB could be done after cleaning.

VI. Drying Conditions

Condition	Time
Surface Touch Dry	30 minutes
Dry to over coat	4 hours
Full cure time	72 hours

VII. Color Range

According to BMA catalog colors.

VIII. Packaging

Available in:
Gallon & Pail kits.

IX. Shelf Life & Storage Conditions

Shelf Life	Storage Temperature & Humidity	Storage Conditions
▪ 1 year from the manufacturing date.	▪ **Temperature:** Between 5ºC and 35ºC ▪ **Humidity:** Should not exceed 85%	Store in undamaged, unopened containers. The product must be kept away from direct sunlight and any sources of heat or flame.

X. Safety, Health, and Environmental Compliance

Aspect	Details
Environmental Impact	Contains volatile organic compounds (VOCs); avoid release into the environment. Dispose of in accordance with local environmental regulations. Prevent contamination of soil and waterways.
Health Hazards	Harmful by inhalation, skin contact, and if swallowed. May cause allergic skin reactions, respiratory irritation, or eye damage. Prolonged exposure may affect the central nervous system.
Safety Precautions	Use only in well-ventilated areas. Wear appropriate personal protective equipment (PPE) including gloves, goggles, and a respirator. Avoid direct contact with skin and eyes. Do not eat, drink, or smoke while using the product.
First Aid Measures	**Inhalation:** Move to fresh air; seek medical attention if symptoms persist. **Skin Contact:** Wash immediately with soap and water. Remove contaminated clothing. **Eye Contact:** Rinse cautiously with water for several minutes. Seek medical advice. **Ingestion:** Do not induce vomiting. Rinse mouth and seek immediate medical assistance.

XI. Certifications and Test Reports

BMA Commercial & Industrial s.a.l holds ISO 9001:2015, ISO 45001:2018, and ISO 14001:2015 certifications, ensuring that all operations are conducted in compliance with international standards. This product is formulated with low levels of volatile organic compounds (VOC) and is entirely free from lead and other hazardous heavy metals. Its composition complies with international environmental regulations and health safety standards, ensuring safer application, improved indoor air quality, and reduced environmental impact.

XII. Disclaimer

The statements, technical information, and recommendations contained herein are believed to be accurate. However, as the conditions and methods of use of the product and the information provided are beyond our control, BMA Commercial & Industrial s.a.l expressly disclaims any and all liability for any results obtained or consequences arising from the use of the product or reliance on this information.