

# BMA INSTITUTIONAL EMULSION ACRYLIC PAINT

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*Code: BMA-IEM*

*Color: Catalogue colors*

## PROPERTIES

An aqueous acrylic emulsion formulated with a high performance in order to withstand exterior harmful environmental conditions. With its zero VOC content and anti-biocides additives, BMA-IEM is considered as an environmental friendly waterborne paint that enhance the air quality and prevent the bacteria growth up. It is especially formulated to be used in schools, hospitals, hotels, commercial and industrial buildings.

## RECOMMENDED USES

BMA Institutional Emulsion Acrylic Paint is used for:

- ✓ Masonry
- ✓ Drywalls
- ✓ Concrete plaster
- ✓ Blockworks
- ✓ Wooden boards

## PERFORMANCE BENEFITS

- ✓ Free of VOC
- ✓ Environmentally friendly
- ✓ Barrier against bacteria and mildew growth
- ✓ Resistance to UV light and weather conditions
- ✓ Good adhesion to the surface
- ✓ Ease washability
- ✓ Long lasting protective paint with a flat finishing

**CHARACTERISTIC PHYSICO-CHEMICAL DATA**

Data corresponding to **BMA Institutional Emulsion Acrylic Paint, white color**

Tests	Norms	Results
Total solids, by weight	ASTM D2369	48.89%
Total solids, by volume	ASTM D1259	36.65%
Specific Gravity (g/cm <sup>3</sup> )	ASTM D1475	1.264
Viscosity, @ 25°C	ASTM D562	40 Poises
Theoretical spreading rate	-	10.5 m <sup>2</sup> /L (for 35 µm DFT)
Recommended wet film at 20 % dilution	-	82 µm/layer
Recommended dry film	-	35 µm/layer

**APPLICATIONS GUIDE****Surface Preparation**

Before applying BMA Institutional Emulsion Acrylic Paint, 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 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.

**Priming**

Prime the substrate with one of the below recommended primers:

- BMA Institutional Water Based Primer (BMA-IPS060)
- BMA Water Based Sealer (BMA-SEW)
- BMA Water Based Undercoat (BMA-UNW060)

### Thinning

If thinning is required, use maximum 5% of water for application using a brush or roller.

### Application

BMA Institutional Emulsion Acrylic Paint should be applied in a well-ventilated area where the humidity does not exceed 85% and the temperature varies between 10°C and 40°C. The application must be done on a clean and dry surface using a brush or a roller. The surface should be primed using a primer with a low VOC content, followed by BMA-IEM.

### Drying Time

Surface (Touch) Dry: 1 hour

Dry to over coat: 4 hours

Full cure time: 12 hours

### AVAILABLE PACKAGING

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

### SHELF LIFE

BMA Institutional Emulsion Acrylic Paint should be stored in closed and undamaged containers where the humidity does not exceed 85% and the 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 BMA-IEM will be 1 year. After this period, its quality will be 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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