BMA INSTITUTIONAL ACRYLIC PRIMER SEALER (VOC/ODOR FREE)

Code: BMA-IPS060

Color: White

PROPERTIES

BMA-IPS is a water based primer formulated to be used as a first coat when a free VOC and low odor primer/finish is required. It provides a high protection against bacteria growth as well as a resistance to weather conditions effect. The primer does not include any added organic solvents and has a great adhesion to the properly prepared surfaces in laboratories, hospitals, hotels and residential buildings.

RECOMMENDED USES

BMA-IPS could be used for:

- ✓ Drywalls and ceilings
- ✓ Cement plasters
- ✓ Gypsum boards
- ✓ Masonry
- ✓ Wood works

PERFORMANCE BENEFITS

- ✓ Low toxicity and flammability due to its zero VOC content
- ✓ Environmentally friendly
- ✓ Effective against micro-organisms and odor-causing bacteria
- ✓ Superior adhesion capacity
- ✓ UV light an alkali resistant
- ✓ Withstanding destructive environmental conditions

CHARACTERISTIC PHYSICO-CHEMICAL DATA

*Data corresponding to **BMA Institutional Acrylic Primer Sealer, White color***

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Tests	Norms	Results
Total solids, by weight	ASTM D2369	56.53%
Total solids, by volume	ASTM D1259	37.40%
Specific Gravity (g/cm3)	ASTM D1475	1.457
Viscosity, @ 25ºC	ASTM D562	19 P
Theoretical spreading rate	-	10.7 m^2 /L (for 35 µm DFT)
Recommended wet film at 20 % dilution	-	80 µm/layer
Recommended dry film	-	35 µm/layer

APPLICATIONS GUIDE

Surface Preparation

Before applying BMA Institutional Acrylic Primer Sealer, 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 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.
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.

Wooden surfaces:

For previously painted wooden surface, remove paint residues using a scraper in order to avoid the flaking of the new coating in case it is not compatible with the old one. Sand and smooth the surface then clean it well and remove the sanding dust. Let the surface dry before any primer or sealer application.

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For new wood, sand the surface and all the edges lightly until smoothing. Then, use a suitable putty to close off, patch and fill all surface imperfections (cracks, holes, pores, etc…). Clean the substrate and let it dry then make sure that the moisture content does not exceed 10%. Sand until smoothing using a sanding paper with a 300 grit size. Clean it well before any coating application.

Thinning

If thinning is required, use maximum 5% of water when applying using a brush, roller or spraying system.

Application

BMA Institutional Acrylic Primer Sealer should be applied when the humidity does not exceed 75% and the temperature varies between 10°C and 35°C. The application must be done on a clean and dry surface using a brush or a roller.

For indoor application, after priming the substrate with BMA-IPS, a drying period from 4 to 6 hours is required. Then, the system could be finalized with a BMA Institutional Emulsion Acrylic Paint (VOC free) BMA-IEM, or other type of BMA Water Based or Alkyd Paint, but, this will increase the VOC depending on the chosen paint.

For outdoor application, the same drying period is required for BMA-IPS but it is recommended to finish with BMA Elastomeric Wall Coating BMA-EWC or BMA Pure Acrylic Enamel BMA-EPA.

Drying Time

Surface (Touch) Dry: 30 minutes
Through Dry: 4 hours
Dry to over coat: 6 hours

AVAILABLE PACKAGING

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

SHELF LIFE

BMA Institutional Acrylic Primer Sealer 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 storage must be done away from any direct exposure to sunlight and far away from freezing or heating source.

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Under these storage conditions, the shelf life of BMA-IPS 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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