BMA UNDERCOAT

Code:

Undercoat White	BMA-UNS060
Undercoat Off white	BMA-UNS054
Undercoat Ivory	BMA-UNS055

Color: white, off-white, ivory

PROPERTIES

An alkyd-based undercoat primer, designed to be used under any type of synthetic oil-based coatings. With its high adhesion property, good weathering resistance and nice coverage, BMA Undercoat could be applied as an intermediate coating for interior and exterior wooden substrates and concrete walls in order to improve the paint system performance, finish and protection performance.

RECOMMENDED USES

BMA Undercoat could be used for:

- ✓ Concrete walls
- ✓ Cement plaster
- ✓ Woodworks
- ✓ Window frames

PERFORMANCE BENEFITS

- ✓ Improvement of intercoating adhesion
- ✓ Waterproofing and weatherproofing properties
- ✓ Great coverage
- ✓ High opacity
- ✓ Quick drying
- ✓ Long lasting undercoat

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CHARACTERISTIC PHYSICO-CHEMICAL DATA

*Data corresponding to **BMA Undercoat**, white color.*

Tests	Norms	Results
Total solids, by weight	ASTM D2369	73%
Consistency, at 25ºC	ASTM D562	20 Poises
Specific Gravity (g/cm^3)	ASTM D1475	1.34
Dry opacity; contrast ratio at 150µm (White)	-	95%
Spreading rate at 35 µm DFT (1)	-	17.5 m²/L
Recommended WFT (2) at 10% Dilution	-	65 µm
Recommended WFT (2) at 20% Dilution	-	70 µm
Total Volatile Organic Compound (VOC)	ASTM D3960	342.6 g/L

1) DFT: Dry Film Thickness
2) WFT: Wet Film Thickness

APPLICATIONS GUIDE

Surface Preparation

Before applying BMA Undercoat, 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.

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.

For new wood, sand the surface and all the edges lightly until smoothing. Apply an insulator (PU Milesi) for oily wooden substrate. Then, use NC Putty BMA-PUN to close off, patch and fill all surface imperfections (cracks, holes, pores, etc…). Clean the

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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 in order to ensure better subsequent intercoating adhesion. Clean it well before any coating application.

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 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.

Thinning

If thinning is required, use 10 to 15% of BMA White Spirit for brush, roller or air spraying application.

Application

BMA Undercoat should be applied in a well-ventilated area where the humidity does not exceed 80% and the temperature varies between 5°C and 35°C.
The application must be done with a brush, roller or air spraying system on a clean and dry surface.

For each substrate type, follow the corresponding application system:
Wooden substrates:

- After totally drying the BMA-PUN, apply two to three coats of BMA Undercoat.
- Let the surface dry for 24 hours then continue with two to three layers of BMA Enamel.
- Finalize the system with one to two coats of BMA Varnish.

Concrete substrates:

- Apply a layer of BMA Water Based Sealer after well cleaning and drying the surface.

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- In order to fill the holes, apply one to two layers of BMA Extra Fill Putty BMA-PUW010 followed by one to two layers of BMA Ultra Fine Putty BMA-PUW020.
- Sand the surface with a fine sanding paper before applying two to three layers of BMA Undercoat.
- Finalize the system with any type of BMA Synthetic or BMA Water Based Paint.

Drying Time

Surface (Touch) Dry: 1 hour
Dry to over coat: overnight
Full cure time: 24 hours

AVAILABLE PACKAGING

Kilo; US Gallon = 3.786 L; Pail = 20 L

SHELF LIFE

BMA Undercoat should be stored in closed and undamaged containers in a well-ventilated area where the temperature varies between 5 and 35ºC. The product must be kept away from direct exposure to sunlight or any heat or flame source.
Under these conditions, the shelf life of BMA Undercoat will be 1 year. After this period, the products quality 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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