

BMA COLORED BASECOAT

Code: BMA-PBC

Color: All Catalogues colors, upon request

PROPERTIES

A one component basecoat based on acrylic resin formulated with high adhesion property, good weathering resistance and coverage. BMA Colored Basecoat could be applied as a basecoat for lacquer 2K in order to improve the paint system performance, finish and protection performance. It has an acrylic finish and can be used for steel & car.

RECOMMENDED USES

BMA Colored Basecoat could be used for:

- ✓ Automotive vehicles and components

PERFORMANCE BENEFITS

- ✓ Excellent adhesion properties
- ✓ Waterproofing and weatherproofing properties
- ✓ Great coverage
- ✓ High opacity and great coverage
- ✓ Quick drying
- ✓ Long lasting basecoat

CHARACTERISTIC PHYSICO-CHEMICAL DATA

Data corresponding to **BMA Colored Basecoat**, BMA-PBC

Tests	Norms	Results
Total solids, by weight	ASTM D2369	15%
Total solids, by volume	ISO 3233	12%
Specific Gravity (g/cm ³)	ASTM D1475	0.95
Consistency, at 25°C	ASTM D562	10 Poises
Spreading Rate at 35µm DFT ⁽¹⁾	-	3.5 m ² /L

Recommended WFT ⁽²⁾ at 50% Dilution	-	450 µm
Total Volatile Organic Compound (VOC)	ASTM D3960	740 g/L

¹⁾ DFT: Dry Film Thickness

²⁾ WFT: Wet Film Thickness

APPLICATIONS GUIDE

Surface Preparation

Before applying BMA Colored Basecoat, 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.

Metal Surfaces:

For new steel, clean the surface from any oil or grease residues using a solution (1:10) of Eksen Kimya (1 L of EKSEN KIMYA DL50 dissolved in 10 L of water). Sand the substrate to Sa 2½ until smoothing then remove all sanding dust and let it dry before any primer application.

For painted steel, remove loose and peeling paint using mechanical methods such as sanding and sandblasting of the entire surface until smoothing so the new coating can adhere properly. When the old paint is compatible with the new one, only light sanding is required. Then, remove persistent dirt and sanding residues with a detergent solution.

For non-ferrous metal (galvanized steel, aluminum, stainless steel, iron, etc...), use BMA Wash Primer BMA-WPU in order to etch the substrate, remove any corrosion residues and promote adhesion to the subsequently applied coatings. In case of unweathered surface or when weathering is not possible, apply a sweep or brush blast cleaning using a non-metallic abrasive in order to lightly roughen the surface. Let the surface dry before coating application.

Priming

A layer of BMA Fondo Primer (BMA-FOK cross-linked with HPU-500) or BMA Primer Acrylic (BMA-FOK9... cross-linked with HPU-650) should be applied directly after

preparing, cleaning and drying the surface. Primer should be allowed to become tack-free before being sanded.

Thinning

If thinning is required, use 100% of BMA Thinner 2K by air spraying application.

Application

BMA Colored Basecoat 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.

BMA Colored Basecoat must be applied on a clean and dry surface using a brush, roller or airless spraying system.

Drying Time

Surface (Touch) Dry: 20 minutes

Dry to over coat: 30 minutes

Full cure time: 20 minutes in oven

AVAILABLE PACKAGING

Quart = 1L; Gallon = 3.786 L; Pail = 20 L

SHELF LIFE

BMA Colored Basecoat should be stored in closed and undamaged containers in a well-ventilated area where the temperature varies between 5°C and 35°C. 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 Colored Basecoat 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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