

BMA PRIMER ACRYLIC

Code: BMA-FOK9...

Code of its hardener: BMA-HPU650

Color: White, grey, black, red, yellow or other colors upon request

PROPERTIES

BMA Primer Acrylic is a two-component aliphatic cured polyurethane, formulated to provide resistance and high performance for steel (cars...). It is characterized by its high corrosive properties, high resistance to atmospheric exposure conditions, and good adhesion to steel.

RECOMMENDED USES

BMA Primer Acrylic can be used for:

- ✓ Automotive vehicles and components

PERFORMANCE BENEFITS

- ✓ Excellent resistance to atmospheric exposure conditions.
- ✓ Good flow and wetting properties.
- ✓ Good adhesion to steel.
- ✓ Can cure at low temperatures (down to 5 °C).
- ✓ High corrosive properties.
- ✓ Easy to apply

CHARACTERISTIC PHYSICO-CHEMICAL DATA

Data corresponding to BMA Primer Acrylic, white color, cross-linked with its hardener BMA-HPU650

Tests	Norms	Results
Total solids, by weight	ASTM D2369	66%
Specific Gravity (g/cm ³)	ASTM D1475	1.4
Consistency, at 25°C (Part A only)	ASTM D562	70 Poises

Spreading Rate at 35 µm DFT ⁽¹⁾	-	15 m ² /L
Recommended WFT ⁽²⁾ at 15% Dilution	-	80 µm
Total Volatile Organic Compound (VOC)	ASTM D3960	463 g/L
Hardener Code	-	HPU650-2
Hardener Percentage, by volume	-	25%
Pot Life	-	30 minutes

¹⁾ DFT: Dry Film Thickness

²⁾ WFT: Wet Film Thickness

APPLICATIONS GUIDE

Surface Preparation

Surface should be clean, dry and free of all contaminants (oils, 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.

Mixing

Pour contents of BMA Primer acrylic into a larger container, add its corresponding hardener (HPU 650) and mix them thoroughly. The hardener percentage to the base component is 25% by volume.

Thinning

If thinning is required, use 10 to 15% of BMA Thinner 2K using a brush, roller or air spraying system.

Application

BMA Primer Acrylic should be applied in a ventilated area where the temperature varies between 5°C and 35°C and when relative humidity of the air does not exceed 85%.

BMA Primer Acrylic must be applied on a clean and dry surface. It could be applied by air spray, brush or roller.

Drying Time

Surface (Touch) Dry: 40 minutes

Hard Dry: 4 hours

Dry to over coat: 8 hours

AVAILABLE PACKAGING

Kilo Kit = 1L + 0.25L; Gallon Kit = 3.785L + 1L

SHELF LIFE

BMA Primer Acrylic should be stored in undamaged and unopened containers in a well-ventilated area where the temperature varies between 5°C and 35°C, far away from any heat or freezing source or a direct exposure to sunlight.

Under these conditions, BMA Primer Acrylic has a shelf life of 2 years from date of manufacture and of its hardener it will be 1 year. After this period, the paint 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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IMPORTANT: The statements, technical information and recommendations contained herein are believed to be accurate. Since the conditions and methods of use of the product and of the information referred to herein are beyond our control, BMA Commercial & Industrial s.a.l expressly disclaims any and all liability as to any results obtained or arising from any use of the product or reliance on such information.