

BMA PU PRIMER

Code: 1BM-PPU

Code of its hardener: BMA-HPU300

Color: All catalogue colors

PROPERTIES

A two component polyurethane primer with fast drying, high durability, superior adhesion properties. It is designed to improve the bonding capacity for application on any steel or wooden substrates.

RECOMMENDED USE

BMA Polyurethane Primer can be used for:

- ✓ Automotive vehicles and components
- ✓ Metallic or wooden furniture
- ✓ Doors and windows frames
- ✓ Industrial premises

PERFORMANCE BENEFITS

- ✓ Quick drying
- ✓ Excellent durability
- ✓ Good adhesion and sealing capacity
- ✓ Good sanding properties
- ✓ Easy to apply

CHARACTERISTIC PHYSICO-CHEMICAL DATA

Data corresponding to the PU Primer BMA-PPU cross-linked with its Hardener HPU300.

Tests	Norms	Results
Total solids, by weight	ASTM D2369	44%
Specific Gravity (g/cm ³)	ASTM D1475	1.132
Consistency, at 25°C	ASTM D562	20 ± 2 Poises
Spreading Rate at 35µm DFT ⁽¹⁾	-	11.2 m ² /L
Recommended WFT ⁽²⁾ at 15% Dilution	-	107 µm
Recommended WFT ⁽²⁾ at 10% Dilution	-	98 µm
Total Volatile Organic Compound (VOC)	ASTM D3960	336 g/L
Hardener Code	-	BMA-HPU300
Hardener Percentage, by volume	-	50%
Pot Life	-	1 hour

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, agents, dust, dirt, etc...) in order to avoid the risk of surface failing.

Treatment of wooden surfaces:

Moisture content in wood should not exceed 10%. A suitable filler should be applied to fill cracks and holes. Sand and smooth wooden surfaces. Milesi Polyurethane insulator (LQA 836 cross-linked with LNB 837) should be applied over the clean surface in order to isolate the wood before applying any primer.

Treatment of steel surfaces:

To obtain optimum performance, for metal surface, substrate must be cleaned by blast cleaning method. Acid and alkali rust scale should be neutralized by ammonia solution (5%). New steel must have surface profile to have key by means of mechanical or chemical etching. Old aged coatings must be cleaned with water soluble oil emulsifiers and detergents and then rinsed with plenty of water.

Mixing

Pour contents of BMA Polyurethane Primer into a larger container, add its corresponding hardener (HPU300) and mix them thoroughly. The hardener percentage to the base component is 50% by volume.

Thinning

If thinning is required, use 25 to 30% of BMA Thinner PU using a brush, roller or air spraying system.

Application

BMA Polyurethane Primer 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 65%. BMA Polyurethane Primer must be applied on a clean and dry surface. It could be applied by air spray, brush or roller.

Drying Time

Surface (Touch) Dry: 15 minutes

Through Dry: 15 minutes

Dry to sand: 30 minutes

Dry to over coat: 12 hours

AVAILABLE PACKAGING

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

SHELF LIFE

BMA Polyurethane Primer should be stored in unopened and undamaged containers in a well-ventilated area where the temperature varies between 10 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 Polyurethane Primer will be 2 years and of its hardener it will be 1 year. After these periods, 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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