

BMA TWO COMPONENT PAINT

Code: BMA-P2K

Code of the hardener: HPU-500

PROPERTIES

A two component resin coating referred as heat-cure coating used for automotive finish with good hardness, fast drying and good chemical resistance. It is suitable for application over steel substrates.

RECOMMENDED USES

BMA 2 Component Paint can be used for:

- ✓ Automotive vehicles and components

PERFORMANCE BENEFITS

- ✓ Great gloss retention
- ✓ Good coverage properties
- ✓ Excellent weather resistance
- ✓ Oil, chemical and acid rain resistance
- ✓ High flexibility & hardness
- ✓ Excellent durability

CHARACTERISTIC PHYSICO-CHEMICAL DATA

Data corresponding to BMA 2 Component Paint cross-linked with its Hardener HPU500.

Tests	Norms	Results
Total solids, by weight (A+B)	ASTM D2369	53 %
Total solids, by volume	ISO 3233	46 %
Consistency, at 25°C (without hardener)	ASTM D562	10 Poises
Specific Gravity (g/cm ³) (A+B)	ASTM D1475	1.253
Total Volatile Organic Compound (VOC)	ASTM D3960	494.46 (A+B)
Spreading Rate at 80µm DFT ⁽¹⁾	-	5.8 m ² /L

Recommended DFT ⁽¹⁾ (µm)	-	80
Recommended WFT ⁽²⁾ (µm)	-	210 µm at 20% dilution with thinner

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.

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.

Priming

A DFT of 35 µm of BMA Fondo Primer (BMA-FOK cross-linked with HPU-500) should be applied directly after preparing, cleaning and drying the surface. Primer should be allowed to become tack-free before being sanded.

Mixing

Pour contents of BMA 2 Component Paint into a larger container, add its corresponding hardener HPU-500 and mix them thoroughly. The hardener percentage to the base component is 50% by volume.

Thinning

BMA 2 Component Paint can be diluted up to 20% with BMA Thinner 2K.

Application

BMA 2 Component Paint should be applied in a ventilated area where the humidity does not exceed 75% and the temperature varies between 5°C and 35°C.

BMA 2 Component Paint must be applied on a dry surface. It could be applied by air spraying system.

Drying Time

Surface (Touch) Dry: 50 minutes
Dry to over coat: 24 hours
Full cured: 7 days

AVAILABLE PACKAGING

1 Gallon Kit = 5 L + 2.5 L; 1 US Gallon Kit = 3.786 L + 0.95 L
1 Pail Kit = 25 L + 12.5 L; 5 US Gallons Pail Kit = 18.9 L + 9.45 L

SHELF LIFE

BMA 2 Component Paint 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, the shelf life of BMA 2 Component Paint will be 2 years, and the shelf life of its hardener will be 1 year from the date of manufacture. 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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