

BMA LACQUER FOR COPPER

Code: 1BM-CLP

Code of its hardener: BMA-HCP100

Color: Clear

PROPERTIES

BMA Lacquer for Copper is a two-component aliphatic acrylic polyurethane lacquer for copper that has weathering resistance, formulated to cover copper surfaces with various levels of chemical and mechanical exposure. This lacquer has excellent balance of hardness, adhesion and film toughness. It also resists yellowing and loss of gloss upon ageing. BMA Lacquer for Copper can be used for interior/exterior copper surfaces.

RECOMMENDED USES

BMA Lacquer for Copper is intended for interior/exterior copper surfaces use.

PERFORMANCE BENEFITS

- ✓ Resistance to destructive weathering conditions
- ✓ Excellent gloss retention
- ✓ Non-yellowing
- ✓ Resistance to water and chemical exposure
- ✓ Good application properties

CHARACTERISTIC PHYSICO-CHEMICAL DATA

Data corresponding to BMA Lacquer for copper, cross-linked with its hardener **BMA-HCP100**

Tests	Norms	Results
Total solids, by weight (%)	ASTM D2369	22% ± 2%
Consistency	Ford 4 Cup	35 +/- 3
Specific Gravity (g/cm ³)	ASTM D1475	0.94

Gloss at 60°	ASTM D523	15 +/- 2
Flexibility, Mandrel bend test	ASTM D522	Passed No cracking or loss of adhesion
Accelerated Aging, 30 days at 50°C	ASTM D1849	Passed No settling nor coagulation
Spreading rate	-	9.43 m²/L
Maximum Pot Life	DIN EN ISO 9514	4 hours
Hardener Code	-	BMA-HCP100
Hardener Percentage, by volume	-	20%

¹⁾WFT: Wet Film Thickness

APPLICATIONS GUIDE

Surface Preparation

Before applying BMA Lacquer for copper, 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 surface

For non-ferrous metal (galvanized steel, aluminum, stainless steel, iron, etc....), use BMA Wash Primer 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

BMA polyurethane Sealer (or BMA 2 Fondo) 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 Lacquer for Copper into a larger container, add its corresponding BMA PU Hardener and mix them thoroughly. The hardener percentage to the base component is 20% by volume.

Thinning

If thinning is required, dilute 20-30% using BMA Polyurethane Thinner in order to obtain the required viscosity.

Application

BMA Lacquer for Copper should be applied in a well-ventilated area where the humidity does not exceed 85% and the temperature not less than 10°C. The substrate temperature should be at least 5°C and it must be dry and free of any residues.

BMA Lacquer for Copper could be applied using a brush, roller, spraying system.

Drying Time

Surface (Touch) Dry: 40 minutes

Hard Dry: 12 hours

AVAILABLE PACKAGING

Kilo kit

SHELF LIFE

BMA Lacquer for Copper should be stored in closed 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 Lacquer for Copper is 18 months and the shelf life of its hardener is 6 months.

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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