

BMA WASH PRIMER

Code: BMA-WPU

Code of the hardener: BMA-HPU700

Color: Translucent greenish

PROPERTIES

A two component, air – drying wash primer for indoor and outdoor use, forming a mordant system over metal surfaces that should be etched before being painted; it procures an efficient system able to transform an extra smooth surface to a relatively gritted one, improving the adherence of any other painting system over it. It also help to improve the anti-corrosive ability of the paint that over coat it.

RECOMMENDED USES

BMA Wash Primer can be used for:

- ✓ Pretreatment for direct application to metal surfaces
- ✓ Galvanized steel, aluminum, zinc & other metal surface

PERFORMANCE BENEFITS

- ✓ Excellent corrosion protection
- ✓ Adhesion improvement of any paint to the surface
- ✓ Fast drying
- ✓ Could be over coated by any synthetic, epoxy or PU primer

CHARACTERISTIC PHYSICO-CHEMICAL DATA

Data corresponding to BMA Wash Primer BMA-WPU cross-linked with its Hardener BMA-HPU700:

Tests	Norms	Results
Total solids, by weight	ASTM D2369	27.5%
Total solids, by volume	ASTM D1259	15%

Total pigments, by weight	ASTM D3723	16.5%
Specific Gravity (g/cm ³)	ASTM D1475	0.945
Total Volatile Organic Compound (VOC)	ASTM D3960	38 g/L
Theoretical Spreading Rate	-	15 m ² /L upon the surface
Recommended wet film	-	14 – 29 µm/layer
Recommended dry film	-	5 – 8 µm/layer
Hardener Code	-	BMA-HPU700
Hardener Percentage	-	12.5% by volume
Pot Life	-	8 hours

APPLICATIONS GUIDE

Surface Preparation

Before applying BMA Zincopoxy Primer, 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.

For new steel, clean the surface from any oil or grease residues using 1 L of EKSEN KIMYA DL50 dissolved in 10 L of water. Sand the substrate to SA 2.5 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, etc...), use a thin layer of 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 components of BMA Wash Primer BMA-WPU into a larger container, add 12.5% by volume of its hardener (HPU700) and mix them properly. Apply the mixture within its pot life (8 hours).

Thinning

If thinning is necessary, a maximum of 10% of BMA thinner 050 (THI050) could be added in order to obtain the required viscosity of the mixture.

Application

BMA Wash Primer should be applied in a ventilated area where the humidity does not exceed 85%, nor in sunny days on hot substrates. The required temperature for optimum performance is between 5°C and 35°C.

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

Etch the substrate with BMA Wash primer BMA-WPU mixed with 12.5% of its hardener BMA-HPU700.

Over coating of BMA Wash primer BMA-WPU could be done using a layer of:

- BMA Primer Epoxy (BMA-PRE) mixed with 25% of hardener (BMA-HPE800), let dry for 6 to 8 hours, then finish with one or two cross coats of paint epoxy BMA-PEP... mixed with 25% of hardener epoxy (BMA-HPE800) for an elegant finish.
- BMA Antirust Primer (BMA – ANY), let dry for at least 4 hours, then finish with at least 2 coats of BMA synthetic paints (BMA-PSI).
- BMA PU primer (BMA-PPU) mixed with 50% of its hardener (BMA-HPU300), let dry for at least 4 hours, and finish with at least 2 coats of BMA PU paints (BMA-PPU).

Drying Time

Surface (Touch) dry: 3 minutes.

Dry to over coat: 45-60 minutes

Dry to handle: 2 hours

AVAILABLE PACKAGING

Gallon Kit = 3.786 L + 0.45 L

SHELF LIFE

BMA Wash Primer should be stored indoors in the original, unopened and undamaged container, in a dry place at a temperature not exceeding 35°C.

Under these conditions, the shelf life of BMA Wash Primer will be 2 years and 9 months for its hardener HPU700.

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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