

## BMA ZINC CHROMATE PRIMER

*Code: BMA-ZCP*

*Color: Catalogue colors*

### PROPERTIES

A zinc chromate pigmented alkyd primer with a high ability to inhibit the corrosion and resist to the aggressive environment conditions. It forms a flexible and durable film and it etches to the surface to provide a great adhesion. BMA-ZCP is formulated to be used as a protection on metallic substrates.

### RECOMMENDED USES

BMA Zinc Chromate Primer can be used for:

- ✓ Chemical, petroleum and power plants
- ✓ Refineries, mining equipment and pipelines
- ✓ Metal window frames
- ✓ Steelworks
- ✓ Bridges and buildings

### PERFORMANCE BENEFITS

- ✓ Excellent corrosion protection
- ✓ Rust inhibiting capacity
- ✓ Good chemical, heat, salt water and abrasion resistance
- ✓ Withstanding impact resistance and good flexibility
- ✓ High durability
- ✓ Quick drying and easily recoatable

### CHARACTERISTIC PHYSICO-CHEMICAL DATA

*Data corresponding to BMA Zinc Chromate Primer BMA-ZCP.*

Tests	Norms	Results
Total solids, by weight	ASTM D2369	71.4%

Total solids, by volume	ISO 3233	55.7%
Specific Gravity (g/cm <sup>3</sup> )	ASTM D1475	1.32
Total Volatile Organic Compound (VOC)	ASTM D3960	377.7g/L
Spreading Rate at 35µm DFT <sup>(1)</sup>	-	15.9m <sup>2</sup> /L
Recommended DFT <sup>(1)</sup> (µm)	-	35
Recommended WFT <sup>(2)</sup> (µm)	-	72

<sup>1)</sup> DFT: Dry Film Thickness

<sup>2)</sup> WFT: Wet Film Thickness

## APPLICATIONS GUIDE

### Surface Preparation

Before applying BMA Zinc Chromate 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.

#### **Metal surfaces:**

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 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.

### Thinning

If thinning is required, a 10% to 15% of BMA White Spirit could be used when applying with a brush, roller or air spraying system.

## Application

BMA Zinc Chromate Primer should be applied in a well-ventilated area where the humidity does not exceed 75% and the temperature varies between 5°C and 35°C. It should be applied on a clean and dry substrate using a brush, roller or air spraying system.

## Drying Time

Surface (Touch) dry: 1 hour

Through Dry: 6 hours

Dry to recoat: Overnight

## AVAILABLE PACKAGING

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

## SHELF LIFE

BMA Zinc Chromate Primer should be stored in closed and undamaged containers in dry and cool conditions and a well-ventilated area where the temperature varies between 5°C and 35°C. The storage must be done far away from any freezing or heating source.

Under these storage conditions, the shelf life of BMA-ZCP will be 1 year. After this period, the product is subjected to re-inspection. Proper handling is required 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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