

BMA PRIMER MARINE

Code: BMA-AZC

Color: White, black, grey, red, yellow – other colors upon request

PROPERTIES

BMA Primer Marine is a modified Zinc Phosphate alkyd primer, which protects the metal surfaces from corrosion and rusting especially in marine conditions. It is a great industrial primer for marine steel paints that provides a great adherence for the final coat. BMA-AZC is ideal to use over clean, indoor and outdoor ferrous metal surfaces at marine, marine equipment and on ships boards.

RECOMMENDED USES

BMA Primer Marine can be used for:

- ✓ Steel surfaces
- ✓ Boats and marine equipment
- ✓ Fuel and water tanks

PERFORMANCE BENEFITS

- ✓ Long lasting and relatively fast drying
- ✓ Supreme anti-corrosive protection
- ✓ Great adhesion on steel surfaces with good coverage and a matt finish
- ✓ Suitable for mild to moderate marine environments, not suitable to prime galvanized steel
- ✓ Can be topped with marine paints
- ✓ Remarkable formation of a neutral, non – conducting, electrical barrier layer to the steel surface
- ✓ Free of Chrome and Lead pigments
- ✓ Meet the regulations of the Lebanese Industrial Institute and the SASO
- ✓ A thickness of 75 µm could be obtained by one operation of spray application

CHARACTERISTIC PHYSICO-CHEMICAL DATA

*Data corresponding to **BMA Primer Marine, white color***

Tests	Norms	Results
Total solids, by weight	ASTM D2369	70.94%
Total Solids, by volume	ISO 3233	59.01%
Consistency, at 25 °C	ASTM D562	20 Poises
Specific Gravity (g/cm ³)	ASTM D1475	1.557
Spreading Rate at 35 µm DFT ⁽¹⁾	-	16.9 m ² /L
Total Volatile Organic Compound (VOC)	ASTM D3960	315.18 g/L
Recommended DFT ⁽¹⁾ (µm) at 10%	-	65 µm
Recommended WFT ⁽²⁾ (µm) at 20%	-	71 µm

1)DFT: Dry Film Thickness

2)WFT: Wet Film Thickness

APPLICATIONS GUIDE

Surface Preparation

Before applying BMA Primer Marine, 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.

Thinning

If thinning is necessary, a maximum of 10% (for brush or roller application) and 20% (for airless spraying system) of BMA Thinner Super (BMA-THI010) could be added in order to obtain the required viscosity of the mixture.

Application

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

Spray one coat of BMA marine primer diluted with 25% of solvent for a brush application, or with 10% for a spray application on the clean and dry substrate; let dry for 4 hours. Spray a 2nd coat of BMA marine primer diluted with 20% of solvent for a brush application, or with 5% for a spray application and let dry for at least 4 hours.

Overcoat the dry primer with BMA marine paint.

Let the substrate cure for 12 – 24 hours before facing severe marine conditions.

Drying Time

Surface (Touch) dry: 30 minutes

Dry to over coat: 4 hours

Dry to handle: 12 hours

AVAILABLE PACKAGING

Kilo; US gallon = 3.785 L; Pail = 20 L

SHELF LIFE

BMA Primer Marine 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 Primer Marine will be 2 years. 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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