

## BMA MARINE PAINT

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*Code: BMA-PMA*

*Color: White or upon catalogue*

### PROPERTIES

BMA Marine Paint is an air drying, synthetic coating, alkyd-based paint. It is hard, durable and fast drying paint that has a great yellowing resistance, color and gloss retention. With its excellent adhesion, high strength, chemical, humidity, and weather resistance, BMA Marine Paint can be applied on any ferrous metal surfaces especially those facing severe marine conditions.

### RECOMMENDED USES

BMA Marine Paint can be used for:

- ✓ Boats and ships
- ✓ Marine equipment
- ✓ Heavy equipment

### PERFORMANCE BENEFITS

- ✓ Long lasting and relatively fast drying paint for interior and exterior superstructures and steel.
- ✓ Corrosion protection
- ✓ Chemical, moisture and weathering resistance
- ✓ Suitable for mild to moderate marine environments.
- ✓ Great yellowing resistance.
- ✓ Hard, durable and ultrasmooth finish with high opacity and great coverage.
- ✓ Superior adhesion ability.
- ✓ Meet the regulations of the Lebanese Industrial Institute and the SASO.

### CHARACTERISTIC PHYSICO-CHEMICAL DATA

*Data corresponding to **BMA Marine Paint, BMA-PMA, white color***

Tests	Norms	Results
Total solids, by weight	ASTM D2369	70.50 %
Total solids, by volume	ISO 3233	62 %
Specific Gravity (g/cm <sup>3</sup> )	ASTM D1475	1.2 ± 0.01
Viscosity, AT 25°C	ASTM D562	30 ± 2 P
Total Volatile Organic Compound (VOC)	ASTM D3960	365 ± 4 g/L
Theoretical spreading rate @35µm	-	17.5 ± 1 m <sup>2</sup> / L
Recommended Dry Film at 20% dilution	-	64 µm

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

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

## APPLICATIONS GUIDE

### Surface Preparation

Before applying BMA Marine Paint, 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.

## Priming

BMA Marine Paint should be primed using two coats of BMA Marine Primer. Allow sufficient drying before overcoating with BMA Marine Paint.

## Thinning

If thinning is required, add 20-25% (air spraying, brush or roller) of BMA Thinner 050 (BMA-THI050) could be added to obtain the required viscosity of the mixture.

## Application

BMA Marine Paint should be applied in a well-ventilated area where the humidity does not exceed 85% and the temperature varies between 5°C and 40°C.

The application must be done on a clean and dry surface, using a brush, roller or spraying system.

Two coats of BMA Marine Paint could be applied to ensure better protection.

It's advisable to apply several thin coats and wait for a total dryness before the application of the next layer.

## Drying Time

Surface (touch) dry: 2 hours

Dry to over coat: overnight

Dry to handle: 24 hours

## AVAILABLE PACKAGING

US gallon = 3.785L – pail = 20L

## SHELF LIFE

BMA Marine Paint should be stored in a clean and well-ventilated area, in unopened and undamaged containers in well-ventilated areas where the temperature varies between 5°C and 40°C. The product must be kept away from any heat, freezing source and direct exposure to sunlight.

Under these conditions, the shelf life of BMA Marine Paint will be 2 years.

After these periods, the products are 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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*IMPORTANT: The statements, technical information and recommendations contained herein are believed to be accurate. Since the conditions and methods of use of the product and of the information referred to herein are beyond our control, BMA Commercial & Industrial s.a.l expressly disclaims any and all liability as to any results obtained or arising from any use of the product or reliance on such information.*