

## BMA INDUSTRIAL PAINT SYNTHETIC

*Code: 1BM-PSM*

*Color: Standard colors*

### PROPERTIES

BMA Industrial Paint is an air drying, one component, synthetic coating, and alkyd based paint. It is long lasting and relatively fast drying paint for interior and exterior superstructures as well as steel. It has superior adhesion ability and high weathering, cracking, abrasion & mechanical resistance.

### RECOMMENDED USES

BMA Industrial Paint Synthetic can be used for:

- ✓ Great over well primed, indoor and outdoor ferrous metal surfaces
- ✓ Excellent economic general purpose maintenance and new building paint
- ✓ Ideal to be used over any heavy equipment and vehicle

### PERFORMANCE BENEFITS

- ✓ Long lasting, fast drying and easy handling
- ✓ Superior adhesion ability
- ✓ High weathering , cracking , abrasion & mechanical resistance
- ✓ Great yellowing resistance , color and gloss retention
- ✓ Ideal for steel substrate which are not normally exposed to water immersion
- ✓ Hard, durable and ultra smooth finish with high opacity and great coverage
- ✓ Meet the regulations of the Lebanese Industrial Institute and the SASO

### CHARACTERISTIC PHYSICO-CHEMICAL DATA

*Data corresponding to BMA Industrial Paint Synthetic Gloss*

Tests	Norms	Results
Total solids, by weight	ASTM D2369	70.69 %

Total solids, by volume	ISO 3233	62.54 %
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 ± 5 g/L
Theoretical spreading rate @35µm	-	17.9 ± 1 m <sup>2</sup> / L
Recommended Dry Film at 20% dilution	-	65 µm

## APPLICATIONS GUIDE

### Surface Preparation

Before applying BMA Industrial Paint Synthetic, 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 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.

#### Wooden surfaces:

For previously painted wooden surface, remove paint residues using a scraper in order to avoid the flaking of the new coating in case it is not compatible with the old one. Sand

and smooth the surface then clean it well and remove the sanding dust before any primer or sealer application.

For new wood, sand the surface and all the edges lightly until smoothing. Apply an insulator (PU Milesi) for oily wooden substrate. Then, use NC Putty BMA-PUN to close off, patch and fill all surface imperfections (cracks, holes, pores, etc...). Clean the substrate and let it dry then make sure that the moisture content does not exceed 10%.

## Priming

Metal substrates could be primed before BMA Industrial Paint Synthetic application using BMA antirust or BMA F.D.I. or BMA Zinc chromate primer.

Priming must be done directly after preparing, cleaning and drying the surface.

## Thinning

If thinning is necessary, 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 Industrial Paint synthetic 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 Industrial Paint synthetic must be applied on a clean and dry surface using a brush, roller or airless spraying system.

Two coats of BMA Industrial Paint Synthetic could be applied on steel surfaces when required.

Over coating of BMA Industrial Paint Synthetic could be done using a layer of BMA Varnish BMA-VAY.

## Drying Time

Surface (touch) dry: 2 hours

Dry to over coat: overnight

Dry to handle: 24 hours

## AVAILABLE PACKAGING

US gallon and 5US gallon

## SHELF LIFE

BMA Industrial Paint Synthetic 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 Industrial Paint Synthetic 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.r.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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