

BMA FAST DRYING INDUSTRIAL PRIMER

Code: *BMA-FDI*

Color: *Dark grey, red oxide, yellow oxide*

PROPERTIES

BMA Fast Drying Industrial Primer is a quick dry, resin modified, alkyd primer. It is long lasting and fast drying primer for general maintenance and shop coat applications. It is based on anti-corrosion pigments such as Zinc Phosphate & Iron Oxides. It has superior adhesion ability and high weathering, cracking, abrasion & mechanical resistance what makes it ideal to be used on indoor and outdoor metal surfaces.

RECOMMENDED USES

BMA Fast Drying Industrial Primer can be used for:

- ✓ Ferrous metal surfaces
- ✓ General purpose maintenance and shop coat applications
- ✓ 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
- ✓ Excellent anti-corrosive steel primer
- ✓ Hard and durable
- ✓ Meet the regulations of the Lebanese Industrial Institute and the SASO

CHARACTERISTIC PHYSICO-CHEMICAL DATA

Data corresponding to **BMA Fast Drying Industrial Primer, Dark Grey color**

Tests	Norms	Results
Total solids, by weight	ASTM D2369	67%
Total solids, by volume	ISO 3233	55%
Specific Gravity (g/cm ³)	ASTM D1475	1.45

Viscosity, @ 25°C	ASTM D562	30 Poises
Total Volatile Organic Compound (VOC)	ASTM D3960	420 g/L
Spreading rate @35µm at DFT ⁽¹⁾	-	15 m ² /L
Recommended WFT ⁽²⁾ at 20%	-	80 µm

¹⁾DFT: Dry Film Thickness

²⁾WFT: Wet Film Thickness

APPLICATIONS GUIDE

Surface Preparation

Before applying BMA Fast Drying Industrial 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 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.

Thinning

If thinning is necessary, add 10 % by air spraying 25 % by airless spraying of BMA Thinner 050 (BMA-THI050) could be added to obtain the required viscosity of the mixture.

Application

BMA Fast Drying Industrial 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.

Spray one coat of BMA F.D.I. diluted with BMA thinner 050 on the clean and dry substrate; let dry for 1 hour. Spray a 2nd coat of BMA F.D.I. diluted with BMA thinner 050 and let dry for 1 hour.

Overcoat the dry F.D.I. primer with a synthetic paint (industrial or enamel), NC paint, or PU paint (in some cases).

Drying Time

Surface (touch) dry: ½ - 1 hour maximum

Dry to over coat: 1 hour

Full Cure: 24 hours

AVAILABLE PACKAGING

US gallon = 3.785 L; Pail = 20 L

SHELF LIFE

BMA Fast Drying Industrial 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 Fast Drying Industrial Primer will be 1 year. 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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