

BMA THERMAL RESISTANT PAINT

Code: BMA-THR

Color: Aluminium

PROPERTIES

BMA Thermal Resistant Paint is a one component alkyd modified coating. It is heat resistant up to 250 °C. It can be used as an interior / exterior aluminum pigmented finish. BMA Thermal Resistant Paint is durable, hard wearing, rust preventive suitable for properly prepared carbon steel and aluminum substrates (fireplaces, stoves and ovens, chimneys, heated pipelines...).

RECOMMENDED USES

BMA Thermal Resistant Paint can be used for:

- ✓ Chimneys and exhausts pipes
- ✓ Domestic stoves, industrial ovens
- ✓ Engine parts

PERFORMANCE BENEFITS

- ✓ Heat Resistant up to 250°C
- ✓ Can be used as an interior/exterior aluminum pigmented finish
- ✓ Good impact and abrasion resistance
- ✓ Durable and hard wearing
- ✓ Air drying at ambient temperature
- ✓ Rust preventive.
- ✓ Remarkable colour retention

CHARACTERISTIC PHYSICO-CHEMICAL DATA

Data corresponding to **BMA Thermal Resistant Paint, BMA-THR**

Tests	Norms	Results
Total solids, by weight		48%
Total solids, by volume		44%
Consistency, @ 25°C		2 Poises
Specific Gravity (g/cm ³)		0.95
Total Volatile Organic Compound (VOC)		500 g/L
Spreading rate at 35 µm DFT ⁽¹⁾		12.5 m ² /L
Recommended WFT ⁽²⁾ at 10 % dilution		88 µm

¹⁾DFT: Dry Film Thickness

²⁾WFT: Wet Film Thickness

APPLICATIONS GUIDE

Surface Preparation

Before applying BMA Thermal Resistant 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 a solution (1:10) of Eksen Kimya (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.

Application

BMA Thermal Resistant Paint should be applied in a well-ventilated area where the relative humidity does not exceed 85% and the temperature is at least 5°C.

The surface should be clean, dry and free of all contaminants before applying the BMA Thermal Resistant Paint using an air spraying system or it can be applied using a brush or roller.

Drying Time

Surface (touch) Dry: 15 minutes

Dry to handle: 1 hour

For full cure: the paint may be stoved to fully cure (Stoving; 20 minutes at 200-220°C).

Dry to overcoat: 24 hours

AVAILABLE PACKAGING

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

SHELF LIFE

BMA Thermal Resistant Paint should be stored in tightly closed and undamaged containers where the temperature varies between 5 °C and 35°C. Exposure to direct sunlight and freezing should be avoided.

Under the above-mentioned conditions, the shelf-life BMA Thermal Resistant Paint will be 1 year. After this period, the paint quality 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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