

BMA MARKER – SOLVENT BASED ROAD MARKING

Code: BMA-MRM

Color: Catalogue colors

PROPERTIES

BMA Marker is formulated with a high quality to provide a tough, durable, bright and a high-performance road marker. It is an ecological and environmental friendly product that improve the night visibility. It is designed with an excellent chemical and mechanical resistance since it has no alteration due to UV light and weather conditions and could withstand heavy weights. BMA-MRM is suitable to mark on highways, airstrips, garages, parking.

RECOMMENDED USES

BMA Marker could be used for:

- ✓ Parking lines and numbers
- ✓ Highways
- ✓ Walkways
- ✓ Airport runways
- ✓ Safety area markings
- ✓ Warehouses

PERFORMANCE BENEFITS

- ✓ Reflective road marking
- ✓ A silky flat finishing
- ✓ Abrasion and impact resistance
- ✓ Withstanding mechanical stresses and heavy weights
- ✓ Environmentally friendly
- ✓ Excellent color retention
- ✓ Anti-slipping property
- ✓ Excellent chemical resistance

CHARACTERISTIC PHYSICO-CHEMICAL DATA

Data corresponding to **BMA Marker**, white color

Tests	Norms	Results
Total solids, by weight	ASTM D2369	80%
Viscosity, @ 25°C	ASTM D562	40 Poises
Specific gravity (g/cm ³)	ASTM D1475	1.7
Total Volatile Organic Compound (VOC)	ASTM D3960	12 g/L
Spreading rate at 35 µm DFT ⁽¹⁾	-	18 m ² /L

¹⁾DFT: Dry Film Thickness

APPLICATIONS GUIDE

Surface Preparation

Before applying BMA Marker, 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.

Concrete substrate must be well prepared in order to avoid any coating defects.

For new surface, ensure that concrete is completely cured at least 30 days.

For both fresh and old concrete, decontamination is required to remove any dust, oil, grease, laitance, fatty acids or any additional contaminants. Acid etching is recommended using Eksen Kimya Hydrochloric Acid Solution. Decontamination could be also done using detergent scrubbing, low pressure water cleaning, or steam.

After cleaning, fill and repair any surface irregularities (cracks, holes and pores) with the cementitious mixture.

Cementitious mixture preparation: first, prepare a SBR Solution by mixing BMA SBR with water (1:5 by volume). Then, add the SBR Solution to the cement and sand until reaching the desired cementitious mixture.

Allow concrete substrate to dry then check the moisture and the pH of the substrate. Ensure that the pH is between 6 and 9 since alkalinity can affect and destroy paint adhesion. For the moisture content, make sure that it does not exceed 4% (by weight). Otherwise, the concrete surface is not a good candidate for painting.

Thinning

If thinning is required, a maximum of 30% (for brush or roller application), 50% (for air spraying application) and 10% (for airless spraying system) of Toluene could be added in order to obtain the required viscosity of the mixture.

Application

BMA Marker should be applied in a well-ventilated area where the humidity does not exceed 85% and the temperature varies between 5°C and 35°C. The application must be done on a clean and dry surface using a brush, roller or spraying system.

BMA-MRM could act as a self-priming coating and the layers should be applied consequently after sufficient drying of each layer. In order to enhance the reflective effect, glass beads could be spread in the last wet layer of BMA Marker.

Drying Time

Surface (Touch) dry: 30 minutes
Dry to over coat: 8 hours

AVAILABLE PACKAGING

US Gallon = 3.785 L; US Pail = 20 L

SHELF LIFE

BMA Marker should be stored in unopened and undamaged containers in a well-ventilated area where the humidity does not exceed 85% and the temperature varies between 5°C and 35°C. The storage must be far away from direct exposure to sunlight or any heating and freezing source.

Under the above-mentioned storage conditions the shelf life of BMA Marker 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.



TDS.162 - Edition #: 2

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