

BMA CHLORINATED RUBBER

Code: BMA-PCR

Color: White and Tinted (Matt Finish)

PROPERTIES

A versatile, high build, easy to apply, single pack Chlorinated Rubber based paint. This high build coating provides excellent resistance to chemicals in damp environments. Its water resistance and anti-skid properties make it suitable for use in environments that include exposure to industrial and natural acids.

RECOMMENDED USES

BMA Chlorinated Rubber can be used for:

- ✓ Road marking, parking, and pedestrian crossing
- ✓ For traffic signs and restrictions
- ✓ Industrial floor marking for factories and warehouses
- ✓ Emergency and fire exits
- ✓ Swimming pools

PERFORMANCE BENEFITS

- ✓ Low-temperature flexible
- ✓ Excellent durability
- ✓ Water, UV, chemical, alkali, fungi, and high abrasion resistance
- ✓ Easy to apply one component material
- ✓ Excellent adhesion over all types of substrates, including concrete and asphalt

CHARACTERISTIC PHYSICO-CHEMICAL DATA

Tests	Norms	Results
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Total solids, by weight	ASTM D2369	59 %
Dry opacity; contrast ratio at 150µm (White)	-	> 0.95
Consistency, at 25°C	ASTM D562	115 KU
Specific Gravity	ASTM D1475	1.37 ± 0.03
Total Volatile Organic Compound (VOC)	ASTM D3960	560 g/L
Spreading Rate at 40µm DFT ⁽¹⁾	-	10 m ² /L 32 m ² /USG
Recommended WFT ⁽²⁾ at 5% Dilution	-	309 µm
Recommended WFT ⁽²⁾ at 10% Dilution	-	323 µm

¹⁾ DFT: Dry Film Thickness

²⁾ WFT: Wet Film Thickness

APPLICATIONS GUIDE

Surface Preparation

Before applying BMA Chlorinated Rubber, 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.

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.

Priming

BMA Chlorinated Rubber is self-priming.

Thinning

Thinning is required for spray application, for the first layer add 25-30% of xylene by volume and 10% for the second layer.

Application

BMA Chlorinated Rubber should be applied in a well ventilated area where the humidity does not exceed 85%. It could be sprayed or applied by a mohair roll on a clean and dry surface.

Two coats are usually required. The application of three coats is not recommended.

Reflectiveness: Night visibility of the road marking can be improved by glass beads. Glass beads should be uniformly spread by a drop-on-method on the wet paint immediately after application. Adding glass beads also increases abrasion resistance of the applied coating. When coating in enclosed area, forced ventilation must be utilized to help solvent fumes to be removed from the coating, to get dry and create safer environment for the workers.

Drying Time

Surface (Touch) Dry: < 30 minutes

Through Dry: < 4 hours

Dry to over coat: 24 hours

AVAILABLE PACKAGING

1 US Gallon = 3.786 L; 5 US Gallons Pail = 18.9 L

SHELF LIFE

BMA Chlorinated Rubber has a shelf life of 12 months (one year) from date of manufacture when stored at ambient conditions: 20°C to 25°C and normal atmospheric pressure. If stored at temperatures above 30°C, the shelf life will be significantly reduced and the product needs to be tested prior to use. Once opened, BMA Chlorinated Rubber must be used as soon as possible. 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.4 - Edition #: 3

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.