

BMA WATER BASED PRIMER FOR STEEL

Code: BMA-WPS

Color: upon request

PROPERTIES

BMA Water Based Primer for Steel is a pure acrylic-based primer formulated as an environmentally friendly and low VOC content primer for interior and exterior steel. BMA Water Based Primer for Steel offers remarkable color retention properties, long lasting ability and a high resistance to peeling, flaking and corrosion.

RECOMMENDED USES

BMA Water Based Primer for Steel could be used on steel substrates for:

- ✓ housing development, villas, industrial and commercial complexes
- ✓ schools, hotels, hospitals

PERFORMANCE BENEFITS

- ✓ Withstanding impact resistance and good flexibility
- ✓ Short drying time
- ✓ Excellent durability and yellowing resistance
- ✓ Good adhesion to the surface
- ✓ Alkaline & Chemical resistant
- ✓ Rustproofing capacity
- ✓ Protection against weathering conditions
- ✓ Low VOC content

CHARACTERISTIC PHYSICO-CHEMICAL DATA

WHITE

Tests	Norms	Results
Total solids, by weight	ASTM D2369	45%
Specific Gravity (g/cm ³)	ASTM D1475	1.0

Consumption	-	45 – 50 m ² / 1US gallon for one coat
Dilution	-	Up to 20% with water
pH Value	-	8-9
Total Volatile Organic Compound (VOC)	ASTM D3960	< 50 g/L

APPLICATIONS GUIDE

Surface Preparation

Before applying BMA Water based Primer for Steel, 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.

Thinning

If thinning is necessary, a maximum of 20% of water could be added in order to obtain the required viscosity of the mixture.

Application

BMA Water based Primer for Steel 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.

Dilute first coat with water up to 20% maximum. Apply using brush, roller or spray. Additional coats can be applied if required allowing two hours between coats to dry.

Drying Time

Surface (Touch) Dry: 1 hour
Dry to over coat: 2 hours

AVAILABLE PACKAGING

Gallon = 4 L; Pail = 17 L

SHELF LIFE

BMA Water based Primer for Steel should be stored in closed and undamaged containers in a well-ventilated area where the humidity does not exceed 85% and at a maximum temperature of 35°C.

Under these conditions, the shelf life of BMA Water based primer for Steel will be 18 months. After this period, the product quality is subjected to re-inspection.

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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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.