

BMA PRIMER FOR PLASTIC

Code: *BMA-PRP000*

Color: *White, black, grey, or upon request*

PROPERTIES

BMA Primer for Plastic is a ready to use one-component, fast drying adhesion primer for plastic. BMA Primer for Plastic is formulated to resist abrasion, cracking and withstands high weathering. It is used to prime a polypropylene substrate, leaving the substrate smooth and covered due to the high opacity properties of the BMA Primer for Plastic.

RECOMMENDED USES

BMA Primer for Plastic could be used on polypropylene substrates.

PERFORMANCE BENEFITS

- ✓ Provides optimum adhesion to plastic surfaces
- ✓ High resistance to abrasion, cracking and weathering.
- ✓ High opacity properties
- ✓ Fast drying & easy handling
- ✓ Smooth finish

CHARACTERISTIC PHYSICO-CHEMICAL DATA

Data corresponding to **BMA Primer for Plastic**, BMA-PRP000

Tests	Norms	Results
Total solids, by weight	ASTM D2369	2.5%
Total solids, by volume	ISO 3233	2.5%
Consistency, @25°C	ASTM D562	13''
Specific gravity (g/cm ³)	ASTM D1475	0.87
Total Volatile Organic Compound (VOC)	ASTM D3960	848 g/L

Spreading rate at 25 µm DFT ⁽¹⁾	-	1 m ² /L
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¹⁾DFT: Dry Film Thickness

²⁾WFT: Wet Film Thickness

APPLICATIONS GUIDE

Surface Preparation

Before applying BMA Primer for plastic, 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.

Pre-clean the surface with warm water and detergent and rinse sufficiently with clean water then remove the surface contamination.

Plastic Surface:

Most plastics such as polypropylene have chemically inert and nonporous surfaces with low surface tensions causing them to be non-receptive to bonding with printing inks, coatings and adhesives. Surface Treatment Systems increase surface energy to provide adhesion for coating.

Corona Treatment: An electrical process that uses ionized air to increase the surface tension of substrates. It operates at an electrical voltage of 10 kV. The high voltage is applied across an electrode which ionizes the air in the electrode gap, creating a highly energized corona.

Plasma Treatment: Similar to Corona, plasma is the electrical ionization of a gas. Unlike corona, plasma is created at much lower voltage levels and the rate at which electron bombardment occurs is up to 100 times greater.

Flame Treatment: The process of burning away surface contaminants by forcibly spraying a flame onto a substrate surface. This is accomplished by burning an ultra-lean gas mixture, whose excess oxygen is rendered reactive by the high temperature.

Application

BMA Primer for Plastic should be applied in a well-ventilated area where the relative humidity does not exceed 85%. The required temperature for optimum performance is between 5°C and 30°C.

BMA Primer for Plastic must be applied on a clean and dry surface after sufficient mixing with the thinner using a roller, brush or spraying system.

Overcoating can be done when the primer is sufficiently dried.

Drying Time

Surface (Touch) dry: 15 minutes
Dry to over coat: 30 minutes to 1 hour

AVAILABLE PACKAGING

Kilo kit; Gallon kit

SHELF LIFE

BMA Primer for Plastic should be stored under dry conditions in undamaged and unopened containers, where the temperature varies between 5°C and 35°C and away from any source of heat or ignition. Direct exposure to sunlight should be avoided.

Under the above-mentioned conditions, the shelf life of BMA Primer for Plastic will be 2 years.

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.185 - Edition #: 2

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.