

## NITROCELLULOSE PRIMER

Code : BMA-PRN

Color: All catalogue colors are available (special colors are available upon request)

### PROPERTIES

A nitrocellulose solvent-based primer with fast drying, high durability, good hardness and adhesion properties. It is designed for application on any steel or wooden substrates.

### RECOMMENDED USES

BMA NC Primer can be used for:

- ✓ Automotive vehicles and components
- ✓ Metallic or wooden furniture
- ✓ Doors and windows frames

### PERFORMANCE BENEFITS

- ✓ Quick drying
- ✓ Excellent durability
- ✓ Good adhesion
- ✓ Good sanding properties
- ✓ Easy to apply

### CHARACTERISTIC PHYSICO-CHEMICAL DATA

#### WHITE

Tests	Norms	Results
Total solids, by weight	ASTM D2369	63%
Consistency, at 25°C	ASTM D562	55 Poises
Specific Gravity (g/cm <sup>3</sup> )	ASTM D1475	1.4
Recommended WFT <sup>(1)</sup> at 20% Dilution	-	95 µm

Recommended WFT <sup>(1)</sup> at 50% Dilution	-	119 µm
Total Volatile Organic Compound (VOC)	ASTM D3960	502 g/L
Spreading Rate at 35µm DFT <sup>(2)</sup>	-	11-13 m <sup>2</sup> /L

<sup>1)</sup> WFT: Wet Film Thickness

<sup>2)</sup> DFT: Dry Film Thickness

## APPLICATIONS GUIDE

### Surface Preparation

Before applying BMA NC Primer, all necessary pretreatment must be done. Surface should be clean, dry and free of all contaminants (oils, dust, dirt, etc...) in order to avoid the risk of surface failing.

#### **Metal surfaces:**

For new steel, sand the substrate to Sa 2½ if it is corroded then remove all sanding dust. 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) 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.

For non-ferrous metal (galvanized steel, aluminum, stainless steel, iron, etc...), remove any corrosion residues. Use Wash Primer in order to etch the substrate, 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.

#### **Wooden surfaces:**

For previously painted wooden surface, remove paint residues using a scraper in order to avoid the flaking of the new coating in case it is not compatible with the old one. Sand

and smooth the surface then clean it well and remove the sanding dust before any primer or sealer application.

For new wood, sand the surface and all the edges lightly until smoothing. Apply an insulator for oily wooden substrate. If the applied coating is a solvent-based system, no thinning is required, if it is a water-based system, thinning of 10-15% is required for faster solvent evaporation. Then, use BMA NC Putty to close off, patch and fill all surface imperfections (cracks, holes, pores, etc...). Clean the substrate and let it dry then make sure that the moisture content does not exceed 10%.

Apply 2 to 3 layers of the primer. Sand until smoothing using a sanding paper with a 300-grit size. Clean it well before any coating application.

## Thinning

A 10 to 15% of BMA Thinner (Thinner Super or Thinner Extra or Thinner 050 or Phantom Thinner) could be added to BMA NC Primer when the application is done using a brush or a roller, and 25 to 35% when the air spraying system is used for primer application.

## Application

BMA NC Primer should be applied in a well-ventilated area where the relative humidity does not exceed 70%. The required temperature for optimum performance is between 10°C and 30°C.

BMA NC Primer 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: 1 hour

Dry to sand: 3-6 hours

Dry to over coat: 6 hours

## AVAILABLE PACKAGING

Kilo; US Gallon = 3.786 L; Pail = 20 L

## SHELF LIFE

BMA NC Primer 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 NC Primer 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.7 - 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.*