

BMA NITROCELLULOSE PAINTS

Code: 1BM-PGN

Color: catalogue colors

PROPERTIES

A one component nitrocellulose modified oil based alkyd resin. It is a quick drying topcoat with high durability, excellent hardness and adhesion to the surface. It can be applied on steel and wooden substrates.

RECOMMENDED USES

BMA Nitrocellulose paint can be used for:

- ✓ Wood furniture
- ✓ Industrial equipment
- ✓ Machine parts

PERFORMANCE BENEFITS

- ✓ Economical topcoat
- ✓ Good coverage
- ✓ Applied for refinishing purpose
- ✓ Fast drying

CHARACTERISTIC PHYSICO-CHEMICAL DATA

*Data corresponding to BMA – NC Paint Glossy, **BMA-PGN***

Tests	Norms	Results
Total solids, by weight	ASTM D2369	45%
Consistency, at 25°C	ASTM D562	55 Poises
Specific Gravity (g/cm ³)	ASTM D1475	1.1
Recommended WFT ⁽¹⁾ at 20% Dilution	-	125 µm

Recommended WFT ⁽¹⁾ at 50% Dilution	-	155 µm
Spreading Rate at 35µm DFT ⁽²⁾	-	10 m ² /L

¹⁾ WFT: Wet Film Thickness

²⁾ DFT: Dry Film Thickness

Data corresponding to BMA – NC Paint Demi - Matt, **BMA-PDN**

Tests	Norms	Results
Total solids, by weight	ASTM D2369	39%
Consistency, at 25°C	ASTM D562	55 Poises
Specific Gravity (g/cm ³)	ASTM D1475	1.07
Recommended WFT ⁽¹⁾ at 20% Dilution	-	160 µm
Recommended WFT ⁽¹⁾ at 50% Dilution	-	200 µm
Spreading Rate at 35µm DFT ⁽²⁾	-	8 m ² /L

¹⁾ WFT: Wet Film Thickness

²⁾ DFT: Dry Film Thickness

Data corresponding to BMA – NC Paint 30% Gloss, **BMA-PTN**

Tests	Norms	Results
Total solids, by weight	ASTM D2369	42%
Consistency, at 25°C	ASTM D562	55 Poises
Specific Gravity (g/cm ³)	ASTM D1475	1.1
Recommended WFT ⁽¹⁾ at 20% Dilution	-	150 µm
Recommended WFT ⁽¹⁾ at 50% Dilution	-	185 µm
Spreading Rate at 35µm DFT ⁽²⁾	-	8.2 m ² /L

¹⁾ WFT: Wet Film Thickness

²⁾ DFT: Dry Film Thickness

Data corresponding to BMA – NC Paint Matt, **BMA-PMN**

Tests	Norms	Results
Total solids, by weight	ASTM D2369	38%
Consistency, at 25°C	ASTM D562	55 Poises
Specific Gravity (g/cm ³)	ASTM D1475	1.06
Recommended WFT ⁽¹⁾ at 20% Dilution	-	170 µm
Recommended WFT ⁽¹⁾ at 50% Dilution	-	214 µm
Spreading Rate at 35µm DFT ⁽²⁾	-	7 m ² /L

¹⁾ WFT: Wet Film Thickness

²⁾ DFT: Dry Film Thickness

APPLICATIONS GUIDE

Surface Preparation

Before applying BMA Nitrocellulose paint, 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.

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 BMA Wash Primer BMA-WPU 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 (PU Milesi) for oily wooden substrate. Then, use NC Putty BMA-PUN 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 BMA NC Primer. Sand until smoothing using a sanding paper with a 300 grit size. Clean it well before any coating application.

Priming

Metal and wooden substrates could be primed before BMA NC Paint application using BMA NC Primer. Priming must be done directly after preparing, cleaning and drying the surface.

Thinning

A 10 to 15% of BMA NC Thinner could be added to BMA NC Paint 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 Paint should be applied in a well-ventilated area where the relative humidity does not exceed 70% and the temperature is at least 10°C.

The surface should be clean, dry and free of all contaminants before applying the BMA NC Paint using a brush, roller or air spraying system.

Two coats of BMA NC Primer could be applied on steel and wooden surfaces when required.

Drying Time

Surface (Touch) dry: 30 minutes

AVAILABLE PACKAGING

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

SHELF LIFE

BMA NC Paint should be stored in tightly closed and undamaged containers where the temperature varies between 10 °C and 35°C.

Exposure to direct sunlight and freezing should be avoided.

Under the above mentioned conditions, the shelf life BMA NC Paint will be 1 year.

After this period, the paint quality is subjected to re-inspection. Proper handling is required 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. I 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.8 - Edition #: 2

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