# BMA NITROCELLULOSE LACQUER

TECHNICAL DATA SHEET

***Product Codes:***

| Product Name | Product Code |
|---|---|
| NC Lacquer Glossy | 1BM-LNN0200 |
| NC Lacquer Demi Matt | 1BM-LNN0210 |
| NC Lacquer 30% Glossy | 1BM-LNN0217 |
| NC Lacquer Matt | 1BM-LNN0220 |

***Hardener Code (if applicable): Not Applicable***

## I. Product Description

A one component nitrocellulose modified oil-based resin. It is a quick drying clear topcoat with high durability, excellent hardness and adhesion to the surface.

## II. Product Performance Characteristics

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

## III. Areas of Application

BMA NC Lacquer can be used for:

- Wood furniture
- Chairs and frames
- Wooden floors
- Bars and kitchens bench tops

# IV. Technical Specifications

*Data for BMA NC Lacquer:*

| Parameter | Norm/Standard | LNN0200 | LNN0210 | LNN0217 | LNN0220 |
|---|---|---|---|---|---|
| Total Solids, by weight (%) | ASTM D1259 | 41 | 26 | 30 | 30 |
| Total Solids, by volume (%) | ISO 3233 | 37.3 | 28.9 | 27.3 | 27.3 |
| Viscosity at 25°C (Poises) | ASTM D562 | 30 | 35 | 30 | 50 |
| Specific Gravity (g/cm$^3$) | ASTM D1475 | 1.0 ± 0.1 | 0.9 ± 0.1 | 1.0 ± 0.1 | 1.0 ± 0.1 |
| Total Volatile Organic Compound (VOC) (g/L) | ASTM D3960 | 585 | 695 | 664 | 664 |
| Appropriate solvent | - | Thinner super | Thinner super | Thinner super | Thinner super |
| Solvent ratio by volume (%) | - | 25-35 | 25-35 | 25-35 | 25-35 |
| Gloss Level (%) | - | 80 | 50 | 30 | 10 |

### Film Thickness & Coverage

| Parameter | Norm/Standard | LNN0200 | LNN0210 | LNN0217 | LNN0220 |
|---|---|---|---|---|---|
| Recommended WFT [(1)] (µm) | - | 80-110 | 120-145 | 145-185 | 145-185 |
| Recommended DFT [(2)] (µm) | - | 30-40 | 35-45 | 40-50 | 40-50 |
| Theoretical Spreading Rate (m$^2$/L) | - | 9.3-12.4 | 6.42-8.25 | 5.46-6.825 | 5.46-6.825 |

*[1)] WFT: Wet Film Thickness*

*[2)] DFT: Dry Film Thickness*

# V. Application Procedure

## Surface Preparation

Before applying BMA NC Lacquer, 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.

### 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. Let the surface dry before any sealer application.

For new wood, sand the surface and all the edges lightly until smoothing. Apply BMA insulator for oily wooden substrate. Then, use BMA bouche-pores 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 BMA Wood Stain 1BM-STS then 2 to 3 layers of BMA Sealer. Sand until smoothing using a sanding paper with a 300-grit size. Clean it well before any coating application.

### Priming

Priming must be done directly after preparing, cleaning and drying the surface using BMA NC Sealer.

### Thinning

A 25 to 35% of BMA NC Thinner could be added to BMA NC Lacquer when the application is done using air spraying system.

### Application

BMA NC Lacquer 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 Lacquer using an air spraying system.

## VI. Drying Conditions

| Condition | Time |
|---|---|
| Surface Touch Dry | 10 to 20 minutes |
| Dry to over coat | 2 hours |

## VII. Color Range

Available in clear only.

## VIII. Packaging

Available in:
Gallon & Pail kits.

## IX. Shelf Life & Storage Conditions

| Shelf Life | Storage Temperature & Humidity | Storage Conditions |
|---|---|---|
| ▪ 1 year from the manufacturing date. | ▪ **Temperature:** Between 5°C and 35°C<br>▪ **Humidity:** Should not exceed 85% | Store in undamaged, unopened containers. The product must be kept away from direct sunlight and any sources of heat or flame. |

## X. Safety, Health, and Environmental Compliance

| Aspect | Details |
|---|---|
| Environmental Impact | Contains volatile organic compounds (VOCs); avoid release into the environment. Dispose of in accordance with local environmental regulations. Prevent contamination of soil and waterways. |
| Health Hazards | Harmful by inhalation, skin contact, and if swallowed. May cause allergic skin reactions, respiratory irritation, or eye damage. Prolonged exposure may affect the central nervous system. |
| Safety Precautions | Use only in well-ventilated areas. Wear appropriate personal protective equipment (PPE) including gloves, goggles, and a respirator. Avoid direct contact with skin and eyes. Do not eat, drink, or smoke while using the product. |
| First Aid Measures | **Inhalation:** Move to fresh air; seek medical attention if symptoms persist.<br>**Skin Contact:** Wash immediately with soap and water. Remove contaminated clothing.<br>**Eye Contact:** Rinse cautiously with water for several minutes. Seek medical advice.<br>**Ingestion:** Do not induce vomiting. Rinse mouth and seek immediate medical assistance. |

## XI. Certifications and Test Reports

BMA Commercial & Industrial s.a.l holds ISO 9001:2015, ISO 45001:2018, and ISO 14001:2015 certifications, ensuring that all operations are conducted in compliance with international standards.

## XII. Disclaimer

The statements, technical information, and recommendations contained herein are believed to be accurate. However, as the conditions and methods of use of the product and the information provided are beyond our control, BMA Commercial & Industrial s.a.l expressly disclaims any and all liability for any results obtained or consequences arising from the use of the product or reliance on this information.