BMA NITROCELLULOSE SEALER HS

TECHNICAL DATA SHEET

Product Codes: 1BM-SAS0100
Hardener Code (if applicable): Not Applicable

I. Product Description

A nitrocellulose-based sealer, formulated with excellent filling and levelling properties. It is especially designed for sealing a wide range of wood substrates and for woodworking industries where transparency and high solid primer for related products is required.

II. Product Performance Characteristics

- Sealing, Sanding and Filling properties
- Quick drying
- High viscosity
- Very high solid content

III. Areas of Application

BMA NC Sealer HS can be used for:

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

IV. Technical Specifications

Data for BMA NC Sealer HS:

Parameter	Norm/Standard	Result
Total Solids, by weight (%)	ASTM D1259	59.4
Total Solids, by volume (%)	ISO 3233	50.13
Viscosity at 40°C (Poises)	ASTM D562	140
Specific Gravity (g/cm^3)	ASTM D1475	1.03
Total Volatile Organic Compound (VOC) (g/L)	ASTM D3960	464.18

Appropriate solvent	-	Universal Fast Thinner
Solvent ratio by volume (%)	-	75

Film Thickness & Coverage

Parameter	Norm/Standard	Result
Recommended WFT [1] (µm)	-	50-60
Recommended DFT [2] (µm)	-	25-30
Theoretical Spreading Rate (m^2/L)	-	16.71-20

[1] WFT: Wet Film Thickness

[2] DFT: Dry Film Thickness

V. Application Procedure

Surface Preparation

Before applying BMA NC Sealer HS, 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 primer or sealer application.

For new wood, sand the surface and all the edges lightly until smoothing. Apply BMA insulator (A/B) for oily wooden substrate. Then, use BMA NC Putty or 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%. Sand until smoothing using a sanding paper with a 300-grit size. Clean it well before any coating application.

Thinning

If thinning is required use 75 % (for air spraying application) of BMA Thinner Super, Thinner Extra, Thinner Fantome 777 or Thinner 050 could be used in order to obtain the required viscosity.

Application

BMA NC Sealer HS should be applied in a well-ventilated area where the humidity does not exceed 85% and the temperature not less than 5°C.

Before any application, the surface must be sufficiently dried in order to obtain the desired result. Since the system is clear, apply BMA Wood Stain 1BM-STS then 2 to 3 layers of BMA Sealer, depending on the porosity of the wood.

The application could be done using a brush, roller or an air spraying system. Sanding must be done after 90 minutes and overcoating after 3 hours as well at 25°C.

To note that 1BM-SAS0100 is unsuitable to be immersed in water.

VI. Drying Conditions

Condition	Time
Surface Touch Dry	10 to 15 minutes
Through Dry	30 minutes
Dry to sand	90 minutes
Dry to over coat	3 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
▪ 2 years from the manufacturing date.	▪ **Temperature:** Between 5ºC and 35ºC ▪ **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. **Skin Contact:** Wash immediately with soap and water. Remove contaminated clothing. **Eye Contact:** Rinse cautiously with water for several minutes. Seek medical advice. **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.