BMA NITROCELLULOSE PUTTY

TECHNICAL DATA SHEET

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

I. Product Description

BMA NC Putty is a special putty based on a nitrocellulose resins blend. It is used for fine and smooth leveling of minor irregularities, scratches, and pores. 1BM-PUN is applied in thin layers on wooden surfaces for better leveling. It is easy to apply, fast drying and has a high weathering, cracking and abrasion resistance.

II. Product Performance Characteristics

- Excellent filling properties
- High weathering, cracking and abrasion resistance
- High opacity properties
- Good sanding
- Fast drying
- Fast handling

III. Areas of Application

BMA NC Putty is used for wooden surfaces to smooth the wooden furniture and carpentry works and adjust their evenness.

IV. Technical Specifications

Data for BMA NC Putty:

Parameter	Norm/Standard	Result
Total Solids, by weight (%)	ASTM D1259	70
Total Solids, by volume (%)	ISO 3233	60
Viscosity at 25°C (Poises)	ASTM D562	150
Specific Gravity (g/cm^3)	ASTM D1475	1.2
Total Volatile Organic Compound (VOC) (g/L)	ASTM D3960	376.55

Film Thickness & Coverage

Parameter	Norm/Standard	Result
Recommended WFT [1] (µm)	-	40-60
Recommended DFT [2] (µm)	-	25-35
Theoretical Spreading Rate (m^2/L)	-	4.16-5.83

[1] WFT: Wet Film Thickness

[2] DFT: Dry Film Thickness

V. Application Procedure

Surface Preparation

Before applying BMA NC Putty, 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 before any primer or sealer application.

For new wood, sand the surface and all the edges lightly until smoothing. Apply BMA insulator for oily wooden substrate. The applied coating is a solvent based system therefore no thinning is required.

Priming

No priming is required before BMA NC Putty application.

Application

BMA NC Putty should be applied on a well cleaned, dry and free from contaminations surface in a well-ventilated area. The temperature should be between 10 and 30°C and the humidity not more than 85%.

BMA NC Putty can be applied using a glazing knife across the desired area, apply 1 to 2 thin coats, if necessary, repeat the operation more times. Allow drying for 5-10 minutes between coats. Sanding can be done approximately after 20 minutes.

VI. Drying Conditions

Condition	Time
Surface Touch Dry	30 minutes

Hard Dry	5 hours
Sanding	30-45 minutes after hard dry

VII. Color Range

Available in White and other colors available upon request.

VIII. Packaging

Available in:
Kilo, Gallon & Pail kits.

IX. Shelf Life & Storage Conditions

Shelf Life	Storage Temperature & Humidity	Storage Conditions
▪ 2 years from the manufacturing date.	▪ **Temperature:** Between 5°C and 35°C ▪ **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.