BMA NITROCELLULOSE CRACQUELET

TECHNICAL DATA SHEET

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

I. Product Description

A one component nitrocellulose modified oil-based alkyd resin. It is a quick drying topcoat with high durability, yellowing resistance, excellent hardness and adhesion to the surface. It is a fast-drying nitrocellulose wood clear or pigmented lacquer with a cracking effect finish.

II. Product Performance Characteristics

- High weathering & abrasion resistance
- Good yellowing resistance
- Good gloss retention
- Decorative finish with a cracking effect
- Fast drying
- Fast handling

III. Areas of Application

BMA NC Cracquelet can be used for:

- Wood furniture
- Chairs and frames
- Wooden floors
- Wooden decorative items

IV. Technical Specifications

Data for BMA NC Cracquelet Clear:

Parameter	Norm/Standard	Result
Total Solids, by weight (%)	ASTM D1259	25
Total Solids, by volume (%)	ISO 3233	20
Viscosity at 25°C (Poises)	ASTM D562	15
Specific Gravity (g/cm^3)	ASTM D1475	0.99

Total Volatile Organic Compound (VOC) (g/L)	ASTM D3960	715
Appropriate solvent	-	BMA Thinner Super
Solvent ratio by volume (%)	-	20-35
Gloss Level (%)		80-90

Film Thickness & Coverage

Parameter	Norm/Standard	Result
Recommended WFT [1] (µm)	-	175-225
Recommended DFT [2] (µm)	-	35-45
Theoretical Spreading Rate (m^2/L)	-	17.5-22.5

1) WFT: Wet Film Thickness

2) DFT: Dry Film Thickness

V. Application Procedure

Surface Preparation

Before applying BMA NC Cracquelet, 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 application.

For new wood, sand the surface and all the edges lightly until smoothing. Apply BMA insulator 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%.

Thinning

A 20 to 35 % of BMA NC Thinner could be added to BMA NC Cracquelet when the application is done by air spraying system.

Application

BMA NC Cracquelet should be applied in a well-ventilated area where the relative humidity does not exceed 85% and the temperature is at least 10°C.

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

VI. Drying Conditions

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

VII. Color Range

Available in Clear and other colors available upon request.

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 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.