BMA WOOD STAIN

TECHNICAL DATA SHEET

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

I. Product Description

BMA Wood Stain is a solvent-based stain that enhances and enriches the natural beauty of wood by providing deep, rich color while harmonizing the wood grain. It penetrates deeply into the pores, dries quickly, and is easy to apply. BMA Wood Stain is suitable for interior use on both soft and hardwood surfaces, including all types of joinery.

II. Product Performance Characteristics

- Rich colors with long color retention
- Easy to apply
- Great wood protection
- Bringing out hidden wood patterns
- Accentuate the wood natural grain

III. Areas of Application

BMA Wood Stain can be used for:

- Fiber and particle board
- Furniture
- Windows and doors frames
- Timber ceilings and beams

IV. Technical Specifications

Data for BMA Wood Stain 1BM-STS:

Parameter	Norm/Standard	Result
Total Solids, by weight (%)	ASTM D1259	51
Total Solids, by volume (%)	ISO 3233	47
Viscosity at 25°C (KU)	ASTM D562	50

Specific Gravity (g/cm^3)	ASTM D1475	0.9
Total Volatile Organic Compound (VOC) (g/L)	ASTM D3960	344.95
Film thickness	-	Very thin
Appropriate solvent	-	BMA White Spirit & BMA Thinner
Solvent ratio by volume (%)	-	0-300

V. Application Procedure

Surface Preparation

Before applying BMA Wood Stain, 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 totally using a scraper. Sand and smooth the surface then clean it well and remove the sanding dust. Let the surface dry before the wood stain application.

For new wood, sand the surface and all the edges lightly until smoothing. Apply BMA insulator for oily wooden substrate after the wood stain.

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 240 - 300 grit size. Dust it and clean it well before any coating application.

Thinning

If thinning is required, up to 300 % of BMA Thinner or White Spirit could be used according to the required color.

Application

BMA Wood Stain should be applied in a well-ventilated area where the humidity does not exceed 75% and the temperature varies between 5°C and 35°C.

The application must be done on a clean and dry substrate using a brush, a spray gun, a cloth or a cotton and following the below recommended system:

- Sand the surface with a suitable grade of abrasive paper then dust it down.
- Stir well before use.
- Before staining, the moisture content of the substrate should not exceed 10%.
- Apply one full coat of the chosen color and wipe off excess with a dry absorbent cotton cloth, rubbing with the grain.
- If the wood is oily, apply one layer of BMA insulator and let it dry for 12 hours, after applying the stain.
- Then apply one layer or more of BMA Sealer.

- Use 240 grit or finer sandpaper and dust off. Then, apply one coat of BMA Lacquer, it will guarantee maximal adhesion of the topcoats.

VI. Drying Conditions

Condition	Time
Surface Touch Dry	30 minutes
Thorough Dry	7 to 8 hours
Overcoating Interval	4 hours

VII. Color Range

According to BMA catalog colors.

VIII. Packaging

Available in:
1L and upon request.

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 ▪ **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.