BMA VARNISH MARINE

TECHNICAL DATA SHEET

Product Code:

Product Name	Product Code
Varnish Marine Glossy	1BM-VAA0100
Varnish Marine Demi-Matt	1BM-VAA0200
Varnish Maine Matt	1BM-VAA0300

Hardener Code (if applicable): Not Applicable

I. Product Description

BMA Varnish Marine is a solvent-based varnish formulated with special alkyd resins to provide a protective finish with excellent weathering resistance. It is available in various gloss levels, matt, semi-matt, and glossy, to achieve the desired finish and appearance on the coated surface. This varnish is easy to apply, non-yellowing, and highly resistant to weather variations. 1BM-VAA can be used as a decorative varnish for both exterior and interior wooden surfaces.

II. Product Performance Characteristics

- Resistance to severe weather and abrasion
- Non-yellowing formulation
- Provides a barrier against the effects of sunlight
- Delivers high-quality finish
- Easy to apply
- Withstands frequent cleaning
- Tintable
- Good flexibility and high durability
- Great resistance to saltwater and marine environments

III. Areas of Application

BMA Varnish Marine can be used for:

- Wooden windows frames, doors, and furniture (outdoor and indoor)
- Wooden marine structures

IV. Technical Specifications

Data for BMA Varnish Marine 1BM-VAA:

Parameter	Norm/Standard	Result
Total Solids, by weight (%)	ASTM D1259	53.21
Total Solids, by volume (%)	ISO 3233	49
Viscosity at 25°C (Poises)	ASTM D562	20
Specific Gravity (g/cm^3)	ASTM D1475	0.97
Total Volatile Organic Compound (VOC) (g/L)	ASTM D3960	474.79
Recommended WFT [2] (µm)	-	30-40
Recommended DFT [1] (µm)	-	15-20
Appropriate solvent	-	BMA White Spirit
Solvent ratio by volume (%)	-	15-20
Total Solids, by weight (%)	ASTM D1259	53.21

[1] DFT: Dry Film Thickness
[2] WFT: Wet Film Thickness

V. Application Procedure

Surface Preparation

Before applying BMA Varnish Marine, 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 for oily wooden substrate. Thinning of 10-15% is required for faster solvent evaporation. Then, use 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.

Priming

BMA Varnish Marine is a self-priming product.

Thinning

If thinning is required, use 10–15% of BMA White Spirit for brush or roller application, and 20–25% of BMA Thinner for air spraying application. Avoid using benzene, as it is not compatible with BMA Varnish Marine and may adversely affect its performance.

Application

BMA Varnish Marine 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 carried out on a clean, dry surface. Ensure the topcoat is well stirred before use. Apply several thin coats rather than one thick coat, allowing adequate drying time between each layer for optimal performance.

VI. Drying Conditions

Condition	Time
Surface Touch Dry	3 hours
Through Dry	24 hours
Dry to over coat	Overnight

VII. Color Range

Available in clear only.

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.