BMA SILICONE OIL WATER REPELLENT

TECHNICAL DATA SHEET

Product Code: 1BM-SIO0001-5
Hardener Code (if applicable): Not Applicable

I. Product Description

A deep-penetrating, solvent-based silicone oil with water-repellent properties that preserves the natural appearance of surfaces without causing discoloration. BMA Silicone Oil Water Repellent is resistant to weathering and UV radiation and protects surfaces from the effects of high temperatures. It can be applied to cementitious construction materials, natural or molded stone walls, wood panels, and painted surfaces to provide effective water repellency.

II. Product Performance Characteristics

- Resistance to weather conditions and UV degradation
- Isolation capacity for more than 5 years.
- Protection from heat
- Barrier against chemical and mechanical attack
- Good adhesion
- Non-yellowing
- A long-lasting water repellent
- Easy to apply
- Ready to Use

III. Areas of Application

BMA Silicone Oil Water Repellent is designed to be used on natural stones.

IV. Technical Specifications

Data for BMA Silicone Oil Water Repellent 1BM-SIO0001-5:

Parameter	Norm/Standard	Result
Specific Gravity (g/cm^3)	ASTM D1475	0.789
Spreading Capacity per coat	-	Depends on film thickness applied, type of texture, surface porosity, imperfections, temperature & wastage during painting

V. Application Procedure

Surface Preparation

Before applying BMA Silicon Oil Water Repellent, 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. All deteriorated materials or old paints must be removed. The product must be applied directly on the surface either going up or in a horizontal way in order to ensure an efficient application.

Application

BMA Silicon Oil Water Repellent must be applied in a well-ventilated area where the humidity does not exceed 85% and the temperature varies between 5°C and 35°C. The application must be done on a well-treated, cleaned and dried substrate using a brush, roller or a low-pressure spraying equipment.

The product penetrates into the surface and drying occurs within few minutes by evaporation. Recoating should be done before drying of the last layer and until the surface is totally saturated with SIO000.

VI. Drying Conditions

Condition	Time
Surface Touch Dry	8 hours
Dry to over coat	12 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.