



## MINERAL SHIELD | TECHNICAL DATA SHEET | TDS

Interior/Exterior Invisible & Water Repellent Topcoat (UNI EN 206)

### PRODUCT FEATURES

Romabio Mineral Shield is a non-toxic, water-based, ready to use, transparent and siliconized barrier with a good penetration capacity and water repelling properties. This special blend binds unevenly absorbent surfaces and provides superior performance and protection against staining, growth of algae and moss, efflorescence, freeze/thaw, and force wind driven rain. It prevents the penetration of moisture by changing the surface tension and without reducing permeability.

Romabio Mineral Shield is formulated with a special blend of Silicone compounds and additives that will not change the sheen of the finish or texture of the surface, thus preserving the beauty of a Romabio paint application. Romabio Mineral Shield is a **PFAS free** product.

### FIELDS OF APPLICATION

Romabio Mineral Shield is suitable for protecting surfaces indoors and outdoors in any climate and environmental conditions. It is not meant as a full coverage product and needs only be applied to areas in frequent contact with water. These areas include horizontal areas (such as sills, ledges), near down spouts, around hose bibs, on vertical surfaces with no overhang protection and around the bottom 2'-3' of your home to prevent staining and deterioration of your Romabio coating.

Ideal for use on **dry** but **absorbent** surfaces such as:

- Brick
- Natural Stone
- Concrete
- Stucco
- Slate
- Exposed Plasterwork
- Surfaces pre-painted with Romabio Mineral or Lime paints and coatings (such as Classico Limewash, Lime Slurry, Masonry Flat, etc)

Not recommended for use on:

- Surfaces pre-painted with acrylic, latex or enamel paints
- Gypsum
- Non-absorbent surfaces
- Moist/Wet Surfaces

### CONDITIONS FOR APPLICATION

- Air temperature: Min. 50 F° / Max. 95 F°.
- Relative humidity of the air: <80%.
- Temperature of project surface: Min. 50 F° / Max. 95 F°.
- Humidity of surface to be treated: <10%.
- Avoid applying where there is surface condensation or directly under the sun.

### COVERAGE

Approximately 200-300 sq/ft per gallon with average absorption.

*Actual coverage will vary depending upon application method, surface texture, and absorption commended to test product on actual surface to determine the exact consumption.*

### PACKAGING

Clear Plastic Jugs - 1 gallon

### STORAGE

Store in a cool, dry and protected from frost. Close the open containers with care.

**SHELF LIFE:** 2 years max

### TYPE OF PRODUCT

Impregnate Product based on SILICONE compounds and additives (PFAS free) diluted in an aqueous vehicle.

### GLOSS LEVEL

Matte

### COLOR

The product is supplied colorless and cannot be tinted.

### TOOLS

Apply with brush or with pump/garden sprayer. All tools should be cleaned using water immediately after use.

### DRYING TIME

Product is usually tack free within 4 – 8 hours depending on the temperature, application quantity, air humidity and absorbency of the substrate

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### SURFACE PREPARATION

Any surface should be clean, DRY, and free from dirt, mildew, and all loose particles. Cracks, holes, and loose mortar joints should be repaired using a suitable concrete patch or mortar mix. **Mineral Shield should be applied following a rain-free period of at least 2 days with no rain expected for the 24 hrs following application.**

### STONE OR BRICK SURFACES

Dust and clean the surfaces; if there is a patina of dirt or scales, etc., clean with sandblaster or water under pressure or chemical cleaning. It is advisable to effect a preliminary test to establish the most effective method and type of cleaning. If there is algae, moss or mold, first treat the surface with Romabio Algae & Moss Cleaner. Make sure surface has been allowed to dry completely after treating and before applying Mineral Shield.

### PAINTED SURFACES

After applying Romabio Masonry Flat, Lime Slurry, Venetian Glaze or other lime or mineral based products, wait at least 24 hours from the last coat and be sure the surface is completely DRY. Once the Mineral Shield has been applied it will prevent water from absorbing into the surface. Romabio lime and mineral paints require an absorbent surface in order to form a bond with the surface so only apply once the job is done. When protecting a Classico Limewash® finish, be sure you've achieved the look you want through distressing before applying Mineral Shield.

### IF EFFLORESCENCE IS PRESENT

Efflorescence is a white, powdery, crystal-like deposit visible on the masonry surface must be removed. Buffer acid, used according to manufacturer's directions, are effective efflorescence removal agents. All masonry surfaces are subject to occurrences of efflorescence.

### APPLICATION INSTRUCTIONS

Properly prepare and clean the surface for application. The surface should be clean, **DRY**, and free from dirt and all loose particles.

1. Product is ready to use. **DO NOT DILUTE WITH WATER.** Protect glass, wood surfaces, grass, and shrubbery from overspray. This product will not damage asphalt shingles.
2. **For Garden Pump Sprayer:** eliminate most of the pressure at the spray nozzle and operate at the lowest pressure on the tank. The nozzle should be opened to a coarse spray adjustment. For even coating of material, start at the bottom of the wall and hold the spray at an angle to avoid splashing. It is important to hold the spray tip close to the surface to avoid run off and to fully saturate the surface. **For Brush Application:** flow on liberally – do not brush out – to ensure even coating of the surface.
3. If a second coat is applied, apply wet on wet within five minutes.

### MAINTENANCE

- Reapply Mineral Shield when it no longer appears to be repelling water. If water doesn't bead up on the surface or the substrate begins changing color when wet again, you'll know it's time to reapply.
- Mineral Shield is not meant to be scrubbed. If scrubbing is required to clean a surface that has been treated, it may be necessary to reapply Mineral Shield. Be sure to complete any touch-ups of the paint and allow the surface to **FULLY DRY** before reapplying Mineral Shield.



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<b>VOC</b>	Fixing primers. EU limit value (DIR 2004/42/EC) for this product (cat. A/h): 30 g/L (2010); The product contains a maximum of 10 g/L of V.O.C.		
<b>Surface Retention Smog/Dirt</b>	EN 10795	> 15	High
<b>% Weight Solids</b>		3% ± 2	
<b>Drying at Low Temperature</b>	UNI 10793	Min 40°F	—
<b>Application Quality</b>	UNI 10794	Excellent	—
<b>pH Value</b>	DIN 19266	7	—
<b>Alkaline Resistance</b>	UNI 10795	No lather than pH 7	—
<b>Specific Gravity (23°C)</b>	EN ISO 2811-2	1.01	g/ml
<b>Gloss Level</b>	UNI EN ISO 2813	0	
<b>Reaction to Fire</b>	EN 13501-1:2002 A1		Incombustible
<b>Toxicity</b>	EN 13501-1:2002	See Product SDS	—
<b>Resistance to Chemical Agents</b>	ONORM A 1605-15 (1B1)	Good	—
<b>APEO (Alkyl Phenol Ethoxylates)</b>	—	0%	Low Content
<b>PEG (Polyethylene Glycol)</b>	—	0%	Low Content
<b>PG (Propylene Glycol)</b>	—	0%	Low Content
<b>Formaldehyde</b>	—	0%	Low Content
<b>Biocides</b>	—	0.5%	Low Content

### Warning!

Do not apply any products in direct exposure to strong/hot sunlight, rain, high humidity (mist) or in the presence of strong wind. Beware of the danger of frost overnight. If applied by sprayer, protect surrounding surfaces as necessary. Protect eyes and skin from splashes of paint. Cover glass, ceramic, natural stone, brick, metal, wood, painted surfaces and glazed tiles that are not to be painted. Clean affected areas immediately with water. Prominent elements of the building (cornices, parapets, etc.) should be treated with skill, covering flashings, gutters, copper coatings, etc. Clean work tools with water immediately after use. Keep out of reach of children. In case of contact with eyes and skin, wash immediately with plenty of water. In cases of consumption, consult a Doctor or call the CDC Poison Center (see Safety Data Sheet)

### FIRST AID

In case of eye contact, immediately flush eyes with plenty of water for at least 15 minutes. Wash clothing before reuse. Thoroughly clean contaminated shoes. If you experience difficulty in breathing, leave the area to obtain fresh air. If continued difficulty is experienced, Call poison control center, hospital emergency room, or physician immediately. If swallowed, do not induce vomiting. Call poison control center, hospital emergency room, or physician immediately. If spilled, contain spilled material, and remove with inert absorbent. Dispose of contaminated absorbent, container, and unused contents in accordance with local, state, and federal regulations.

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