



DecoSil Top Coat

SILICONE ENHANCED HYDROPHOBIC COATING

64 Standard Colors / Custom Colors

TECHNICAL DATA

REPORT	TEST METHOD	TEST CRITERIA	TEST RESULTS
Tensile Strength	ASTM D-412		396 psi
Mold Resistance	ASTM D-3273		No Mold Growth
Adhesion psi	ASTM D-4541		210
Water Vapor Permeability perms (ng/Pa·s·m ²)	ASTM E9-6	ICC Vapor Permeable	Pass

FEATURES

BENEFITS

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|------------------------------|--|
| Acrylic Based | • Excellent adhesion; weather-resistant |
| Hydrophobic Chemistry | • Silicone enhanced; increases water repellency; UV resistance; chalking stain and dirt pick up resistance; improved workability |
| Vapor Permeable | • Vapor permeable. Allows substrate to breathe naturally |
| Water-Based | • Safe, non-toxic; cleans up with water |
| Low VOC | • Safe for workers and the environment |

SURFACE PREPARATION

Surfaces shall be clean, dry, above 45 °F (7 °C) and free of efflorescence, grease, oil, form release agents and curing compounds. On previously coated surfaces, all loose coating and gloss must be removed by sanding.

- Metal Surfaces: Must be primed with a corrosion resistant primer.
- Acrylic Textured Finishes: Freshly applied finishes must dry a minimum of 24 hrs under average drying conditions. Existing finishes should be cleaned prior to coating.
- Concrete and Masonry: Shall have cured a minimum of 28 days prior to application coating. If form release agents or curing compounds are present on the concrete surface, the surface shall be thoroughly washed with muriatic acid and flushed to remove residual acid. All projections shall be removed, joints struck flush, and small voids filled.
- Stucco: Recommend Decoplast Primer shall be applied over the stucco base coat prior to applying the Decosil coating. If additives are present in the stucco, a test patch shall be made and bond strength checked prior to application.

DecoSil Top Coat repels water and takes dirt with it. It is a performance enhanced 100% acrylic based, smooth, siliconized coating that provides excellent weather resistance, hydrophobicity, water repellency resistance, and beading. It also improves stain, and dirt pick up resistance, including resistance to chalking, UV degradation, and efflorescence

Coverage

Coverage will vary depending upon substrate, surface texture, environmental conditions and application technique.

The coverage of the first coat on textured surfaces can vary from 350-800 ft² (33-74 m²) per pail depending upon conditions. The coverage of the second coat on textured surfaces can vary between 450-1000 ft² (42-93 m²) per pail.

For best uniformity of appearance two coats are recommended.

Coverage for two coats can vary from 200 - 450 ft² (19-42 m²) per pail depending upon surface it is applied to. Coverage will be higher on smooth, primed surfaces. A test section is recommended to determine a more accurate coverage rate.

Packaging

5 gal pail (19L) 52.5 lbs / 23.8 kg per pail

Shelf Life

24 months, if properly sealed and stored.

Storage

Store off the ground in a cool/dry area. Protect from extreme heat [90°F (32°C)], moisture and direct sunlight.



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MIXING

Mix with a clean, rust-free electric drill and paddle to a uniform consistency. Close container when not in use. Clean tools with water immediately after use.

APPLICATION

Apply only to sound and clean, dry, properly prepared surfaces.

Do not apply over damp surfaces or during rain, hail, or snow events or if rain, hail, or snow is imminent. Apply DecoSil Top Coat in one or two uniform coats as needed by brush, roller or with proper spray equipment. Airless spray equipment requires a minimum 0.35 orifice and filter only at inlet side. Apply coating in a continuous application, always working from a wet edge or architectural break to eliminate cold joints. Back roll open texture surfaces such as concrete masonry.

Curing/Drying Time

Times assume 70° F (21° C) and 50% relative humidity. Drying time varies with temperature/humidity and surface conditions. Protect installed product from rain, freezing, and continuous high humidity until completely dry.

Clean Up

Clean all tools and equipment immediately with water. Cured material may be removed by mechanical means.

LIMITATIONS

- Use DecoSil Top Coat only when surface and ambient temperatures are above 45°F (7°C) and below 100°F (38°C) during application and drying period.
- Store Decoplast materials in a cool, dry place.
- DecoSil Top Coat should not be used on weather-exposed horizontal or below grade surfaces or where immersion in water may occur.
- Do not apply DecoSil Top Coat to frozen surfaces.

HEALTH AND SAFETY

Health Precaution

DecoSil Top Coat is water-based. As with any chemical construction product, exercise care when handling.

WARNING!

Causes eye and skin irritation.

Safety Precaution

Wash hands thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.

First Aid:

EYE CONTACT: Immediately flush eyes with plenty of water for at least 15 to 20 minutes. Ensure adequate flushing of the eyes by separating the eye lids with fingers. Get immediate medical attention.

SKIN CONTACT: Immediately wash skin with plenty of soap and water for at least 15 to 20 minutes, while removing contaminated clothing and shoes. Get medical attention if irritation develops or persists.

INHALATION: If inhaled, remove to fresh air. If not breathing give artificial respiration or give oxygen by trained personnel. Seek medical attention immediately.

INGESTION: If swallowed, do NOT induce vomiting. Call a physician or a poison control center immediately. Never give anything by mouth to an unconscious person.

Spills

Contain and clean with appropriate absorbent materials.

Disposal

Dispose of in accordance with local, state or federal regulations.

Warning

KEEP CONTAINER CLOSED WHEN NOT IN USE. KEEP OUT OF THE REACH OF CHILDREN. NOT FOR INTERNAL CONSUMPTION. FOR INDUSTRIAL USE ONLY. Consult the Safety Data Sheet (SDS) for further health and safety information.

LIMITED WARRANTY

This product is subject to a written limited warranty. Refer to Decoplast Specifications for more complete information on proper use and handling of this product.



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