

Geogard® LO Base Coat

High Solids, One-Part, Moisture Cured Polyurethane Base Coat

FEATURES

- Low Odor
- High Solids
- Single Component
- Versatile
- Primerless

BENEFITS

- Perfect option for odor sensitive accounts/facilities
- Yields more dry waterproofing than lower solids products
- No mixing of multiple components
- No extra labor steps
- No pot life limitations
- Suitable for use over a number of substrates/roof types
- Applications do not require a primer

DESCRIPTION

Geogard LO Base Coat is a high solids, low VOC, low odor, single-component urethane base coat.

BASIC USES

Geogard LO Base Coat is used as part of a restoration coating system or repair material for approved existing roofing substrates. The system is installed in a two coat process with partial reinforcement at designated areas of the roof.

PACKAGING

- 5 gal (18.9 L) pails
- 2 gal (7.5 L) pails

COLOR

Gray

GRADE

Brush, Roller, Spray, Squeegee & Backroll

STORAGE

9 months shelf life in unopened containers when properly stored.

Recommended storage conditions are indoors in a ventilated, dry area removed from heat, open flame, ignition sources, and direct sunlight. Storage temperatures should range from 60-70°F (15- 21°C) and must not drop below 32°F (0°C) or exceed 110°F (43°C).

On the job site, materials should remain on the pallet until use and be stored in a shaded, ventilated area. Materials should be covered with a light-colored, reflective tarp for protection against the elements. Allow for adequate air flow inside the pallets.

Shelf life could be affected if the product is not stored properly.

APPLICATION

Preparation: Surface must be clean, dry, in sound condition, and free of dirt, debris, and contaminants. Wet insulation must be identified and replaced. Deficient areas of existing system must be repaired. All repairs should be made with like materials matching the existing components and allowed to properly cure prior to application of liquid-applied products.

Allow new concrete to cure for a minimum of 28 days and until moisture, RH, and compressive strength values reach an appropriate level. Concrete surfaces must be shot-blasted to a an ICRI 3-6 surface profile.

Metal surfaces and coated metal including fluoropolymer/PVDF coatings such as Kynar® (Registered trademark of Arkema Inc.) and Hylar® (Registered trademark of Solvay Solexis Inc.) must be ground to clean bright metal free of rust and primed prior to application.

If the surface has a pre-existing coating, paint, or sealant an adhesion/compatibility test is required. For applications on EPDM and TPO single-plys, test applications of the entire Geogard system are required to check for potential swelling of the membrane. Please contact Tremco for testing and surface preparation recommendations.

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APPLICATION

CONTINUED

Mixing: Mechanical mixing is typically not necessary. Ensure product is consistent in appearance and viscosity. Do not thin.

Priming: Geogard Base and Finish Coats should be top-coated within 72 hours of application. If cured base or top coat is exposed for longer than 72 hours, an application of Geogard Primer will be required to promote adhesion between coats. Review the recommended primer product data sheet for specific product and application information.

Installation: Install product using one of the approved application methods evenly at the recommended coverage rate. Use wet mil gauges to monitor coverage rates throughout application.

Three-Course Application: Install a three-course application on all drainage components, field laps/seams, flashing base and vertical laps/seams, penetrations, etc. following Tremco detail guidelines. Install the three-course application by applying Geogard LO Base Coat. Fully embed Permafab into wet Geogard LO Base Coat using a brush or roller until reinforcement is fully saturated and is free of voids, wrinkles, air pockets, standing fibers, etc. Then fully encapsulate the fabric with an additional application of Geogard LO Base Coat.

System Application: Once detail work has been completed and cured, install Geogard LO Base Coat followed by Geogard Finish Coat over the cured base coat.

Weathered Single Ply: 1 gal./100 sq. ft. (0.4 L/m²) (16 wet mils)

Smooth BUR, Smooth & Granule Modified Bitumen, Structural Concrete: 2 gal./100 sq. ft. (0.8 L/m²) (32 wet mils)

Three-Course Application: 30-65 ln ft / gal

Note: Coverage rates are listed at minimum recommended rates. The application surface can affect the necessary coverage rate.

Min Ambient: 40°F (4.4°C)

Max Ambient: 110°F (43.3°C)

- Minimum temperatures must be rising following application
- Do not apply when dew point is within 5°F (2.77°C) of ambient temperatures
- Do not apply when precipitation, fog or dew is imminent prior to cure of the product

Tack-Free Time: 12 hours

Recoat Time: 24 hours

Note: Cure times can be effected by a number of weather and jobsite conditions including but not limited to exposure to sunlight and wind, humidity, precipitation, and temperature.

COVERAGE RATES

TEMPERATURE RECOMMENDATIONS

CURE TIMES

ACCEPTABLE ROOF SURFACES

SPRAY EQUIPMENT RECOMMENDATIONS

BUR Gravel	BUR Smooth	Concrete	Metal	Metal Fluoropolymer	MB Granule	MB Smooth	Single-Ply	SPUF	Walls
	●	●			●	●	●		

GENERAL GUIDELINES

Component: One-Component

Pressure: 4,000 psi

Tip Size: .035 - .045

Filters: Remove

Hose Type: High Pressure

WHIP: ¼" High Pressure

Product Temp: 100°F

- Must use heavy duty or industrial grade spray tips
- Properly clean and maintain spray equipment before, during and after use
- Equipment should be properly grounded during use

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CLEAN UP

Before the product cures, clean surfaces and equipment with isopropyl alcohol, mineral spirits, or xylene.

LIMITATIONS

- Not recommended for use over the following:

Roof Decks: Direct applications to cementitious wood fiber, metal, poured-in-place gypsum, structural lightweight or lightweight insulating concrete, and wood decks (includes plywood, tongue and groove, etc.).

Products/Systems: Asphalt-based or coal tar gravel surfaced BUR systems, clay tile, expanded or extruded polystyrene insulation, fluoropolymer finished metal, shingles, silicone-based products, and tar-based products.

- Not for use under continuous immersion

CODES & APPROVALS

PROPERTY	TEST METHOD	TYPICAL VALUE
Abrasion Resistance	ASTM C501	3 mg
Crack Spanning	ASTM C1305	Pass @ -15°F
Elongation	ASTM D412	500 - 700%
Flexibility	ASTM D1737	Pass
Indentation Hardness	ASTM D2240	72 Shore A
Tensile Strength	ASTM D412	220 - 260 psi
Volume Solids		95%
Weight Solids		96%
VOC		< 50 g/L

Florida Building Code



MAINTENANCE

Your local Tremco Roofing sales representative can provide you with effective maintenance procedures which may vary, depending upon specific conditions. Periodic inspections, early repairs and preventative maintenance are all part of a sound roof program.

PRECAUTIONS

Users must read container labels and Safety Data Sheets for health and safety precautions prior to use.

TECHNICAL SUPPORT

Your local Tremco Roofing sales representative, working with the Technical Service Staff, can help analyze conditions and needs to develop recommendations for special applications.



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