

Geogard[®] Finish Coat

High performance, one-part,
moisture cured polyurethane finish coat

FEATURES

Single Component

- No mixing of multiple components
- No extra labor steps
- No pot life limitations

Highly Durable

- Provides a durable protective surface

Highly Reflective

- Lowers rooftop temperatures resulting in less stress and potential energy savings
- CRRC Listed

Versatile

- Suitable for use over a number of substrates/roof types

BENEFITS

DESCRIPTION

Geogard Finish Coat is a high performance, single component, moisture cured urethane finish coat.

BASIC USES

Geogard Finish 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

White, Beige, Limestone, Maple, Slate Gray
**Custom colors are available upon request. Please review Tremco's color policy for details.*

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.

Geogard® Finish Coat

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.

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.

Non-Skid Application: Install an additional layer of top coat in white or chosen color at 1 gal / 100 sq. ft. (16 wet mils) (0.4 L/m²) and immediately broadcast and backroll an approved non-skid media. Color striping can be installed in 3-4" wide areas along the perimeter of the walkway area at a coverage rate of 1 gal / 100 sq. ft. (16 wet mils) (0.4 L/m²) to provide identification of the areas on the roof.

Approved Non-Skid Media:

- Silica Sand (20-40 mesh) - Coverage: 20-30 lbs. / 100 sq. ft.
- No. 11 Roofing Granule - Coverage: 10-15 lbs. / 100 sq. ft.

1 gal./100 sq.ft. (16 wet mils) (0.4 L/m²)

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: 16 hours

Recoat Time: 24 hours

Note: Cure times can be effected by a number of weather and jobsite conditions including

| 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: .039 - .049

Filters: Remove

Hose Type: High Pressure

WHIP: ¼" High Pressure

Product Temp: Ambient

- 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

Before the product cures, clean surfaces and equipment with xylene or isopropyl alcohol. Spray equipment can be flushed/cleaned using MEK or xylene.

- 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.).

COVERAGES RATES

TEMPERATURE RECOMMENDATIONS

CURE TIMES

ACCEPTABLE ROOF SURFACES

SPRAY EQUIPMENT RECOMMENDATIONS

CLEAN UP

LIMITATIONS

**LIMITATIONS
CONTINUED**

PHYSICAL PROPERTIES

CODES & APPROVALS

MAINTENANCE

PRECAUTIONS

TECHNICAL SUPPORT



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Tremco Roofing & Building Maintenance is a part of the Tremco Construction Products Group

Geogard® Finish Coat

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

| PROPERTY | TEST METHOD | TYPICAL VALUE |
|-----------------------------|-------------|---------------|
| Abrasion Resistance | ASTM C501 | 3 mg |
| Accelerated Weathering | ASTM D4798 | Pass (1,000h) |
| Crack Spanning | ASTM C1305 | Pass @ -15°F |
| Elongation | ASTM D2370 | 313% |
| Flexibility | ASTM D1737 | Pass |
| Fungi Resistance | ASTM G21 | Zero Rating |
| Indentation Hardness | ASTM D2240 | 80 Shore A |
| Low Temperature Flexibility | ASTM D522 | Pass @ -15°F |
| Permeance | ASTM D1653 | 4 perms |
| Tear Strength | ASTM D624 | 266 lbf/in |
| Tensile Strength | ASTM D412 | 3,480 psi |
| Water Absorption | ASTM D471 | 1% |
| Volume Solids | | 69% |
| Weight Solids | | 0.81 |
| VOC | | < 250 g/L |

Florida Building Code



| | Rapid | | |
|--------------------------|------------------------|-------------|-----------|
| | Initial | Rated* | Weathered |
| Solar Reflectance | <u>0.83</u> | <u>0.82</u> | Pending |
| Thermal Emittance | <u>0.9</u> | <u>0.9</u> | Pending |
| Rated Product ID | <u>0612-0025</u> | | |
| Licensed Manufacturer ID | <u>0612</u> | | |
| Classification | <u>Production Line</u> | | |

RAPID RATINGS

*CRRC Rapid Ratings: These are interim laboratory-aged values that simulate weathered values. These values will be replaced by the measured three-year aged values upon completion of the weathering process.

Cool Roof Rating Council ratings are determined for a fixed set of conditions, and may not be appropriate for determining seasonal energy performance. The actual effects of solar reflectance and thermal emittance on building performance may vary.

Manufacturer of product stipulates that these ratings were determined in accordance with the applicable Cool Roof Rating Council procedures.

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.

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

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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