

Geogard® Finish Coat

High performance, two-component, methyl methacrylate finishing resin

FEATURES

Single Component

Highly Durable

Reflectivity

Versatile

BENEFITS

- No mixing of multiple components or pot life limitations
- Provides a durable protective surface
- Reflective white top coat lowers surface temperatures which could reduce energy costs
- Suitable for use over a number of substrates/roof types

DESCRIPTION

GEOGARD Finish Coat is a single component, moisture-cure, high performance, aliphatic urethane finish coat and is part of a fire resistant two-coat, polyurethane, elastomeric coating system.

GEOGARD Finish Coat is a single component product, meaning there is no blending of multi-component kits. GEOGARD Finish Coat is reflective, resulting in lower surface temperatures, increased roof life and lower energy costs. The GEOGARD System is a very versatile coating system, extending the life of a variety of roofing substrates.

BASIC USES

The GEOGARD Finish Coat is white and protects the GEOGARD Base Coat and the underlying roofing assembly from exposure to fire, airborne pollutants, residual factory emissions, and damaging UV radiation. The GEOGARD System is used as a fire resistant restoration coating to protect and extend the life of a variety of weathered single ply roof membrane systems, smooth BUR, modified bitumen, and structural concrete roofs. It is always applied in a two-coat process, as a base coat and finish coat. Silica sand or aggregate may be added to GEOGARD Finish Coat to achieve a slip-resistant surface.

PACKAGING

2 gallon (7.57 L) pails
5 gallon (18.9 L) pails

COVERAGE RATE

The GEOGARD System is to be applied in two coats consisting of a Gray Base Coat and White Finish Coat. GEOGARD Finish Coat must be applied over the base coat at a coverage rate of 1 gal./100 sq. ft. (16 wet mils) (0.4 L/m²) on all surfaces.

APPLICATION

Preparation: Surfaces must be clean and dry. Remove all loose dirt and foreign matter with a stiff broom or proper mechanical equipment. Ruptures, splits, cuts, and torn flashings shall be repaired as needed. Blisters must be cut open and allowed to dry. Use a three-course technique for repairs to the surface. Refer to the specifications for detailed instructions.

1. Apply sufficient GEOGARD Base Coat over the area to be repaired so that the PERMAFAB fabric can be thoroughly embedded into the wet coating.
2. Embed PERMAFAB fabric reinforcement.
3. Apply additional GEOGARD Base Coat to completely cover and encapsulate the PERMAFAB Fabric.

Tremco always recommends a test sample applied in an area representative of conditions. A test application is the best method of determining compatibility with and adhesion to the membrane or previously coated surface. Material should be stored in an area sheltered from harsh weather conditions at temperatures ranging from 60°F to 80°F (15.5 to 26.6°C) and low humidity.

Application: GEOGARD Finish Coat may be applied by brush, roller, or squeegee. MIX WELL BEFORE USE, USING A POWER ASSISTED MIXER. DO NOT THIN. A grid layout of the surface is recommended so that proper application quantities can be calculated as the job progresses. Wet mil thickness must be tested with a wet mil gauge as the job progresses to assure that the dry mil thickness is achieved in all coated areas. Tremco provides on request information regarding wet and dry mil thickness, temperature, dew point, and a wet mil thickness gauge.



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APPLICATION CONTINUED

When applying GEOGARD over a previously coated substrate, a test patch should be applied to determine compatibility. GEOGARD Base Coat MUST BE TOPCOATED with GEOGARD Finish Coat within 72 hours following the application of the Base Coat. If left uncoated for more than 72 hours, an application of Geogard Primer will be required prior to top coating.

CLEAN UP

Xylene

LIMITATIONS

- Do not apply when air or surface temperature is below 40°F or above 110°F (4.3°C) or when rain is imminent.
- Not intended for use in continual ponding water areas, over lightweight concrete, over non-reinforced PVC single ply systems, new single ply roof membranes or over gravel surfaced BUR. Allow new single ply roofs to age 6 months prior to application of the GEOGARD System.
- Do not use on roof membranes where plies have become embrittled or where the substrate or insulation has become saturated with water.
- Do not use the GEOGARD System over tar, silicone based coatings, or gravel surfaced BUR.

Note: All EPDM membranes must be looked at individually as some EPDM formulations have a potential for membrane swelling due to the solvent content in GEOGARD. A test application must be conducted by applying GEOGARD Base Coat 1 gal./100 sq. ft. (16 wet mils) (0.4 L/m²). Check for swelling within a 12-24 hour period. If membrane swells, a very light application is recommended applying GEOGARD Base Coat at 8 wet mils (7.8 L/m²). After a 24 hour cure, follow with the remainder of the required coverage rate. Recoating of GEOGARD Base Coat and/or Finish Coat must be performed 24-48 hours following the initial application. If left uncoated for more than 72 hours, the surface must be primed with GEOGARD PRIMER at 400-500 sq. ft./gal. (9.8-12.3 m²/L) and allowed to dry prior to applying the next coat.

PHYSICAL PROPERTIES

PROPERTY	TYPICAL VALUE	TEST METHOD
Weight per Gallon (Liter)	8.8 ± 0.2 lbs. (1.1 kg)	ASTM D 1475
Specific Gravity	1.06 ± 0.02	
Solid by Weight	69% ± 1%	
Solids by Volume	51% ± 1%	
Elongation	250%	ASTM D 412
Flexibility @ 77°F (25°C)	Pass 1/8" (3.2 mm) mandrel bend	ASTM D 1737
Tensile Strength	3,480 psi (24 MPa)	ASTM D 412
Shore "A" Hardness	80	ASTM D 2240
VOC	< 250 g/l	
Dry Time	16 hours to tack free, 24 hours to full cure	ASTM D 1640
Flashpoint (Seta Flash)	80°F (26.6°C)	

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.

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

TECHNICAL SUPPORT



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