

# Geogard® Finish Coat



## ***High-performance, single component aliphatic urethane finish coat used with Geogard Base Coat***

### **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, polyurethane foam 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:**

#4890902C – 2 gallon (7.57 L) pails  
#4890905P – 5 gallon (18.9 L) pails

### **COVERAGE:**

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/m<sup>2</sup>) on all surfaces.

### **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.

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## 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. 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 between 24–48 hours following the application of the Base Coat. If left uncoated for more than 72

## LIMITATIONS:

- Do not apply when air or surface temperature is below 50°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/m<sup>2</sup>). 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/m<sup>2</sup>). 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 m<sup>2</sup>/L) and allowed to dry prior to applying the next coat.

## TECHNICAL DATA:

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

## MAINTENANCE:

Your local Tremco Roofing 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.

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## TECHNICAL SERVICES:

Your local Tremco Representative, working with the Technical Service Staff, can help analyze conditions and needs to develop recommendations for special applications. The services of the Tremco Research Center, which has earned a unique reputation in weatherproofing technology, complement and extend the services of the Tremco Technical Service Staff.



D-489  
7/31/18

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