

GEOGARD Finish Coat

**HIGH PERFORMANCE,
SINGLE COMPONENT ALIPHATIC
URETHANE FINISH COAT USED WITH
GEOGARD BASE COAT**

PACK SIZE
18.9L Pail

PRODUCT CODE
700009

TECHNICAL INFORMATION

Physical Properties	Test Method	Result
Weight per Gallon	ASTM D1475	8.8 ± 0.2 lbs.
Specific Gravity		1.06 ± 0.02
Solid by Weight		69% ± 1%
Solids by Volume		51% ± 1%
Elongation	ASTM D412	250%
Flexibility @ 25°C	ASTM D1737	Pass 1/8" mandrel bend
Tensile Strength	ASTM D412	3,480 psi
Shore "A" Hardness	ASTM D2240	80
Dry Time	ASTM D1640	16 hours to tack free 24 hours to full cure
Flashpoint	Seta Flash	27°C
VOC		240g/L

Product Advantages

- Geogard Finish Coat is a single component product.
- 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.

PRODUCT INFORMATION

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.

USAGE/PURPOSE

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 a second coat of Geogard Finish Coat in foot traffic areas to achieve a slip-resistant surface.

LIMITATIONS

- ❑ Do not apply when air or surface temperature is below 10°C or above 44°C or when rain is imminent.
- ❑ The Geogard System is 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 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 LO Base Coat at 2.45m²/L or 0.40 wet mm. Check for swelling for a 12-24 hour period. If membrane swells, a very light application of Geogard LO Base Coat is recommended at 0.2 wet mm. After 24 hour cure, follow with the remainder of actual coverage rate. Recoating of Geogard LO Base Coat and/or Finish Coat must be performed 24-48 hours of initial application. If left uncoated for more than 72 hours, the surface must be primed with Geogard Primer at 9.83-12.28m²/L and allowed to dry prior to applying the next coat.

USAGE GUIDELINES

PREPARATION

Existing coatings/membrane 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.

DETAILING REPAIR

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 15°C to 27°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 mm 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 hours, the surface must be primed with Geogard Primer prior to applying the Finish Coat.



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Environmental conditions associated with extremes in temperature and humidity may affect cure rates and recoat limitations.

Refer to application specifications for additional information.

COVERAGE RATE - MINIMUM REQUIREMENTS

The Geogard System is to be applied in two coats consisting of a Gray Base Coat and White Finish Coat. For areas where a slip resistant surface is required, 16/30 silica sand can be broadcast at 0.5-0.7kg/m² and back rolled in an additional layer of Geogard Finish Coat non-skid coat.

Substrates	Wet mm	m ² /L	m ² /Kit
Finish Coat	0.40	2.45	46.30

* ALL COVERAGE RATES ARE APPROXIMATE & VARY WITH SUBSTRATE CONDITION

CLEAN UP

Xylene.

HEALTH & SAFETY PRECAUTIONS

The Material Safety Data Sheet (MSDS) and container labels must be read and understood prior to use.

MAINTENANCE

It is recommended that the coating installation be checked on a regular schedule with additional inspections after the system has been exposed to severe conditions. Small area touch up can be made at any time by following recommended application procedures.

TECHNICAL SERVICE

TREMCO has a team of qualified Technical Sales Representatives who provide assistance in the selection and specification of products. For more detailed information or service and advice, call Customer Service on (02) 9638 2755 or fax (02) 9638 2955.

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