

# GEOGARD LO Base Coat

**HIGH SOLIDS, LOW VOC,  
LOW ODOUR BASE COAT USED WITH  
GEOGARD FINISH COAT**

**PACK SIZE**  
18.9L Pail

**PRODUCT CODE**  
700008

## Product Advantages

- Geogard LO Base Coat and Finish Coats are single component products.
- The Geogard LO Base Coat and Geogard Finish Coat Systems extends the life of single-ply roofs and other roof substrates.
- The finish coat is reflective, resulting in lower surface temperatures, increased roof life and low energy costs.

## PRODUCT INFORMATION

### DESCRIPTION

Geogard LO Base Coat is a high solids, low VOC, low odour, aromatic urethane base coat, used in conjunction with Geogard Finish Coat as a restoration system.

### USAGE/PURPOSE

The Geogard LO Base Coat with Geogard Finish Coat is used as a restoration coating system 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. The Geogard LO Base Coat is highly elastomeric and bonds directly to the prepared surface. The Geogard Finish Coat is white and protects the roofing assembly from airborne pollutants, residual factory emissions and damaging UV radiation.

### LIMITATIONS

- ❑ Do not apply when air or surface temperature is below 10°C or above 44°C or when rain is imminent.
- ❑ The Geogard LO Base Coat and Geogard Finish Coat System is not intended for use in continual ponding water areas, over lightweight concrete, over non-reinforced PVC single ply systems or new single ply roof membranes.
- ❑ Allow new single ply roofs to age 6 months prior to application of the Geogard LO Base Coat and Geogard Finish Coat 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 2.45m<sup>2</sup>/L or 0.40 wet mm on weathered single ply membranes. Check for swelling for a 12-24 hour period. If membrane swells, a very light application of Geogard LO Base Coat is recommended at 8 wet mils. After 24 hour cure, follow with the remainder of actual coverage rate. Recoating of Geogard LO Base Coat must be performed within 48 hours of initial application. Beyond that time, the Geogard LO Base Coat must be primed prior to application of Geogard Finish Coat.

## TECHNICAL INFORMATION

Physical Properties	Test Method	Result
Weight per Gallon	ASTM D1475	11.5 ± 0.2 lbs.
Specific Gravity		1.38 ± 0.02
Solid by Weight		96% ± 1%
Solids by Volume		95% ± 1%
Elongation	ASTM D412	500-700%
Flexibility @ 25°C	ASTM D1737	Passes 1/8" mandrel bend
Tensile Strength	ASTM D412	220-260 psi
Shore "A" Hardness	ASTM D2240	37
Dry Time	ASTM D1640	12 hours to tack free 24 hours to full cure
Flashpoint	Seta Flash	>93.33°C
VOC		11g/L

## 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.

Refer to appropriate specifications for detailed instructions.

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 LO Base Coat or 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.

When applying Geogard LO Base Coat and Geogard Finish Coat over a previously coated substrate, a test patch should be applied to determine compatibility. Geogard LO Base Coat **MUST BE TOPCOATED** with Geogard Finish Coat within 24-48 hours following the application of the Base Coat. If left uncoated for more than 48 hours, the surface must be primed with Geogard PRIMER prior to applying the Finish Coat. Environmental conditions associated with extremes in temperature and humidity may affect cure rates and recoat limitations. Refer to application specifications for additional information.



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## COVERAGE RATE - MINIMUM REQUIREMENTS

The Geogard LO Base Coat and Geogard Finish Coat System is to be applied in two coats consisting of a Slate Gray Base Coat and White Finish Coat. The Geogard LO Base Coat will be applied as follows:

Substrates	Wet mm	m <sup>2</sup> /L	m <sup>2</sup> /Kit
Smooth Surface BUR, Modified Bitumen Roof, Concrete, Foam	0.81	1.22	23.00
Weathered Single Ply	0.40	2.45	46.30

\* ALL COVERAGE RATES ARE APPROXIMATE & VARY WITH SUBSTRATE CONDITION

Following concrete substrate preparations the Geogard LO Base Coat can be applied without the need for fiberglass or Permafab fabric reinforcement with the exception of roof penetrations, pipes, drains etc, that needs to be three coursed with Permafab fabric or fiberglass reinforcement.

All other existing coatings or membrane surfaces require full reinforcement in the base coating.

The Geogard Finish Coat will be applied at a coverage rate of 2.45m<sup>2</sup>/L (0.40 wet mm) on all surfaces.

Note: Because of the irregular surface that can be encountered, the Geogard LO Base Coat amounts are minimum requirements and may be increased due to surface conditions.

## 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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