

# Geogard® LV Base Coat

*High-performance, single component aromatic urethane base coat used with Geogard Finish Coat*

## FEATURES

Single Component  
Reflective  
Durable Roof System

## BENEFITS

- No blending of multi-component kits
- Lower surface temperatures and lower energy costs
- Increased roof life

## DESCRIPTION

GEOGARD LV Base Coat is a high performance, single component aromatic urethane base coat, used in conjunction with GEOGARD Finish Coat as a restoration system.

## BASIC USES

The GEOGARD LV 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, and structural concrete roofs. It is always applied in a two-coat process, as a base coat and finish coat. The GEOGARD LV 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.

## COVERAGE RATE

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

**Weathered Single Ply:** 1- 1/2 gal./100 sq. ft. (24 wet mils)

**Concrete:** 3 gal./100 sq. ft. (48 wet mils)

**Smooth Surface Built-Up & Modified Bitumen Roofing:** 3 gal./100 sq. ft. (48 wet mils)

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

## PACKAGING

2 Gallon (7.57 L) pails, 5 Gallon (18.9 L) pails.

## 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.

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 60°F to 80°F and low humidity.

**Application:** GEOGARD LV Base Coat and 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 LV Base Coat and GEOGARD Finish Coat over a previously coated substrate, a test patch should be applied to determine compatibility. GEOGARD LV Base Coat MUST BE TOPCOATED with GEOGARD Finish Coat within 72 hours



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## APPLICATION CONTINUED

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. Environmental conditions associated with extremes in temperature and humidity may affect cure rates and recoat limitations. Refer to application specifications for additional information.

## CLEAN UP LIMITATIONS

Pure Xylene

- Do not apply when air or surface temperature is below 40°F or above 110°F or when rain is imminent.
- 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 LV 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 and TPO membranes must be looked at individually as some EPDM and TPO formulations have a potential for membrane swelling due to the solvent content in GEOGARD.** A test application must be conducted by applying GEOGARD LV Base Coat at 1 gal./100 sq. ft. or 16 wet mils. Check for swelling for a 12-24 hour period. If membrane swells, a very light application of GEOGARD LV Base Coat is recommended at 8 wet mils. After 24 hour cure, follow with the remainder of actual coverage rate. Recoating of GEOGARD LV Base Coat must be performed within 48 hours of initial application. Beyond that time, the GEOGARD LV Base Coat must be primed prior to the application of GEOGARD Finish Coat.

## PHYSICAL PROPERTIES

PROPERTY	TYPICAL VALUE	TEST METHOD
Weight per Gallon	11.5 ± 0.2 lbs.	ASTM D 1475
Specific Gravity	1.32 ± 0.02	
Solid by Weight	74% ± 1%	
Solids by Volume	65% ± 1%	
Elongation	450%	ASTM D 412
Flexibility @ 77°F	Passes 1/ 8" mandrel bend	ASTM D 1737
Tensile Strength	320 psi	ASTM D 412
Shore "A" Hardness	37	ASTM D 2240
Dry Time	24 hours to tack free, 48 hours to full cure	ASTM D 1640
Flashpoint (Seta Flash)	>100°F	
VOC	250 g/l	

## 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.

## TECHNICAL SUPPORT

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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