

Geogard® LV Base Coat

High Performance, One-Part, Moisture Cured Polyurethane Base Coat

FEATURES

Single Component

Versatile

Primerless

BENEFITS

- No mixing of multiple components
- No extra labor steps
- No pot life limitations
- Suitable for use over a number of substrates/roof types
- Applications do not require a primer

DESCRIPTION

Geogard LV Base Coat is a high performance, single component urethane base coat.

BASIC USES

Geogard LV Base Coat is used as a restoration coating system or repair material for approved existing roofing substrates. The system is installed in a two coat process with partial reinforcement at designated areas of the roof.

PACKAGING

5 gal (18.9 L) pails
2 gal (7.5 L) pails

COLOR

Gray

GRADE

Brush, Roller, Spray, Squeegee & Backroll

STORAGE

9 months shelf life in unopened containers when properly stored.

Recommended storage conditions are indoors in a ventilated, dry area removed from heat, open flame, ignition sources, and direct sunlight. Storage temperatures should range from 60-70°F (15- 21°C) and must not drop below 32°F (0°C) or exceed 110°F (43°C).

On the job site, materials should remain on the pallet until use and be stored in a shaded, ventilated area. Materials should be covered with a light-colored, reflective tarp for protection against the elements. Allow for adequate air flow inside the pallets.

Shelf life could be affected if the product is not stored properly.

APPLICATION

Preparation: Surface must be clean, dry, in sound condition, and free of dirt, debris, and contaminants. Wet insulation must be identified and replaced. Deficient areas of existing system must be repaired. All repairs should be made with like materials matching the existing components and allowed to properly cure prior to application of liquid-applied products.

Allow new concrete to cure for a minimum of 28 days and until moisture, RH, and compressive strength values reach an appropriate level. Concrete surfaces must be shot-blasted to a an ICRI 3-6 surface profile.

Metal surfaces and coated metal including fluoropolymer/PVDF coatings such as Kynar® (Registered trademark of Arkema Inc.) and Hylar® (Registered trademark of Solvay Solexis Inc.) must be ground to clean bright metal free of rust and primed prior to application.

If the surface has a pre-existing coating, paint, or sealant an adhesion/compatibility test is required. For applications on EPDM and TPO single-plys, test applications of the entire Geogard system are required to check for potential swelling of the membrane. Please contact Tremco for testing and surface preparation recommendations.

Mixing: Mechanical mixing is typically not necessary. Ensure product is consistent in

Geogard® LV Base Coat

APPLICATION CONTINUED

appearance and viscosity. Do not thin.

Priming: Geogard Base and Finish Coats should be top-coated within 72 hours of application. If cured base or top coat is exposed for longer than 72 hours, an application of Geogard Primer will be required to promote adhesion between coats. Review the recommended primer product data sheet for specific product and application information.

Installation: Install product using one of the approved application methods evenly at the recommended coverage rate. Use wet mil gauges to monitor coverage rates throughout application.

Three-Course Application: Install a three-course application on all drainage components, field laps/seams, flashing base and vertical laps/seams, penetrations, etc. following Tremco detail guidelines. Install the three-course application by applying Geogard LV Base Coat. Fully embed Permafab into wet Geogard LV Base Coat using a brush or roller until reinforcement is fully saturated and is free of voids, wrinkles, air pockets, standing fibers, etc. Then fully encapsulate the fabric with an additional application of Geogard LV Base Coat.

System Application: Once detail work has been completed and cured, install Geogard LV Base Coat followed by Geogard Finish Coat over the cured base coat.

Weathered Single Ply: 1- 1/2 gal./100 sq. ft. (0.8 L/m²) (24 wet mils)

Smooth BUR, Smooth & Granule Modified Bitumen, Structural Concrete: 3 gal./100 sq. ft.

(1.2 L/m²) (48 wet mils)

Three-Course Application: 30-65 ln ft / gal

Note: Coverage rates are listed at minimum recommended rates. The application surface can affect the necessary coverage rate.

Min Ambient: 40°F (4.4°C)

Max Ambient: 110°F (43.3°C)

- Minimum temperatures must be rising following application
- Do not apply when dew point is within 5°F (2.77°C) of ambient temperatures
- Do not apply when precipitation, fog or dew is imminent prior to cure of the product

Tack-Free Time: 12 hours

Recoat Time: 24 hours

Note: Cure times can be effected by a number of weather and jobsite conditions including but not limited to exposure to sunlight and wind, humidity, precipitation, and

BUR Gravel	BUR Smooth	Concrete	Metal	Metal Fluoropolymer	MB Granule	MB Smooth	Single-Ply	SPUF	Walls
	●	●			●	●	●		

GENERAL GUIDELINES

Component: One-Component

Pressure: 4,000 psi

Tip Size: .035 - .045

Filters: Remove

Hose Type: High Pressure

WHIP: ¼" High Pressure

Product Temp: 100°F

- Must use heavy duty or industrial grade spray tips
- Properly clean and maintain spray equipment before, during and after use
- Equipment should be properly grounded during use

COVERAGE RATES

TEMPERATURE RECOMMENDATIONS

CURE TIMES

ACCEPTABLE ROOF SURFACES

SPRAY EQUIPMENT RECOMMENDATIONS

Geogard® LV Base Coat

CLEAN UP

Before the product cures, clean surfaces and equipment with isopropyl alcohol, mineral spirits, or xylene. Spray equipment can be flushed/cleaned using MEK or xylene.

LIMITATIONS

- Not recommended for use over the following:

Roof Decks: Direct applications to cementitious wood fiber, metal, poured-in-place gypsum, structural lightweight or lightweight insulating concrete, and wood decks (includes plywood, tongue and groove, etc.).

Products/Systems: Asphalt-based or coal tar gravel surfaced BUR systems, clay tile, expanded or extruded polystyrene insulation, fluoropolymer finished metal, shingles, silicone-based products, and tar-based products.

- Not for use under continuous immersion

PHYSICAL PROPERTIES

PROPERTY	TEST METHOD	TYPICAL VALUE
Elongation	ASTM D412	450%
Flexibility	ASTM D1737	Pass
Indentation Hardness	ASTM D2240	Shore A
Tensile Strength	ASTM D412	320
Volume Solids		65% ± 1%
Weight Solids		74% ± 1%
VOC		250 g/L

CODES & APPROVALS

Florida Building Code



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.



www.tremcoroofing.com
3735 Green Road
Beachwood, Ohio 44122
1.800.852.6013

50 Beth Nealson Drive
Toronto, Ontario M4H 1M6
1.800.668.9879

Tremco Roofing & Building Maintenance is a part of the Tremco Construction Products Group

Tremco is a US Registered trademark of Tremco Incorporated.

The information provided on this data page supersedes all previous data concerning this product and its application.

The Statements provided concerning the materials shown are intended solely as a general guide for material usage and are believed to be true and accurate. Since the manner of use is beyond our control, Tremco DOES NOT MAKE NOR DOES IT AUTHORIZE ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PURPOSE, OR ANY OTHER WARRANTY, GUARANTEE OR REPRESENTATION, EXPRESSED OR IMPLIED, CONCERNING THIS MATERIAL EXCEPT THAT IT CONFORMS TO TREMCO'S PRODUCT SAMPLE. Buyer and user accept the product under those conditions and assume the risk of any failure, injury to person or property and loss or liability resulting from the handling, storage or use of the product, whether or not it is handled, stored, used in accordance with directions or specifications. UNDER NO CIRCUMSTANCE SHALL TREMCO BE LIABLE FOR CONSEQUENTIAL OR INCIDENTAL DAMAGES ARISING FROM ANY BREACH OF WARRANTY. IN ALL CASES, TREMCO'S LIABILITY IS LIMITED, AT TREMCO'S OPTION, TO THE REPLACEMENT OF GOODS, OR THEIR VALUE, PROVEN TO BE DEFECTIVE IN MANUFACTURING.