

Geogard® LO Base Coat

High solids, low VOC, low odor base coat used with Geogard Finish Coat

FEATURES

Low Odor
High Solids
Single Component
Versatile
Primerless

BENEFITS

- Perfect option for odor sensitive accounts/facilities
- Equates to more dry waterproofing following application
- No mixing of multiple components or pot life limitations
- Suitable for use over a number of substrates/roof types
- Applications do not require a primer

DESCRIPTION:

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

GEOGARD LO Base Coat and Finish Coats are single component products, meaning there is no blending of multi-component kits. The GEOGARD LO Base Coat and GEOGARD Finish Coat System 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 lower energy costs.

BASIC USES:

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.

PACKAGING:

#491L002C - 2 gallon (7.57 L) pails
#491L005P - 5 gallon (18.9 L) pails

COVERAGE:

The GEOGARD LO 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 LO Base Coat will be applied as follows:

Weathered Single Ply: 1 gal./100 sq. ft. (0.4 L/m²) (16 wet mils)

Foam: 2 gal./100 sq. ft. (0.8 L/m²) (32 wet mils)

Concrete: 2 gal./100 sq. ft. (0.8 L/m²) (32 wet mils)

Smooth Surface Built-Up & Modified Bitumen Roofing: 2 gal./100 sq. ft. (0.8 L/m²) (32 wet mils)

The GEOGARD Finish Coat will be applied at a coverage rate of 1 gal./100 sq. ft. (0.4 L/m²) (16 wet mils) 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.

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

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PREPARATION: (continued)

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 (15.5-26.6°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. Republic provides on request information regarding wet and dry mil thickness, temperature, dew point, and a wet mil thickness gauge.

When applying GEOGARD LO 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.

LIMITATIONS:

- Do not apply when air or surface temperature is below 50°F or above 110°F (43.3°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 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 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 LO Base Coat at 1 gal./100 sq. ft. (0.4 L/m²) or 16 wet mils. 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 (7.8 L/m²). 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 the application of GEOGARD Finish Coat.

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TECHNICAL DATA:

Property	Test Method	Typical Value
Weight per Gallon (liter)	ASTM D 1475	11.5 ± 0.2 lbs. (1.4 kg)
Specific Gravity		1.38 ± 0.02
Solid by Weight		96% ± 1%
Solids by Volume		95% ± 1%
Elongation	ASTM D 412	500-700%
Flexibility @ 77°F	ASTM D 1737	Passes 1/8" (3.2 mm) mandrel bend
Tensile Strength	ASTM D 412	220-260 psi (1.5 - 1.8 MPa)
Shore "A" Hardness	ASTM D 2240	37
Dry Time	ASTM D 1640	12 hours to tack free
24 hours to full cure		
Flashpoint (Seta Flash)		>200°F (93.3°C)
Clean Up		Pure Xylene
VOC		<50 g/l

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.

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.



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