

► DuraGhard Below Grade Sealant

BITUMEN MODIFIED WATERPROOFING MEMBRANE

Ghemco DuraGhard Below Grade Sealant is a single component, liquid applied, modified bitumen, coal tar free, moisture cured polyurethane waterproofing membrane. SCAQMD air quality standards approved. It is available in two applications: Horizontal (H) and Vertical (V).

FEATURES & BENEFITS

- User Friendly
- Resistant to Bacteria
- Economical
- Labor Saving
- Meets the Criteria of ASTM C-836 and E-96

TYPICAL USES

- Bridges
- Planters
- Between Slabs
- Shower Pans
- Tunnels
- Basements
- Foundation Walls

DIRECTION OF USE

Coverage

The approximate coverage is 2 gallons/100 per sqft (0.41l/sqft) or 100 sqft/gallon which results in a dry film thickness of 28 mils (355 microns). Coverage rate will depend on surface roughness and porosity.

Surface Preparation

Refer to General Guidelines for complete information.

Joints, Cracks and Flashing:

Apply a stripe coat of DuraGhard Below Grade Sealant over all cracks up to 1/16" (1.58 mm) width. All cracks over 1/16" (1.58 mm) width must be caulked with a polyurethane sealant.

All metal flashings must be primed with manufacturer's recommended primer.

Mixing

Before application, DuraGhard Below Grade Sealant should be thoroughly mixed using a mechanical mixer at slow speed to ensure a homogeneous material. Take care not to allow entrapment of air into the material. Do not mix in an up and down motion.

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► The Brand
You can Trust!

DIRECTION OF USE

Application

DuraGhard Below Grade Sealant may be applied with a brush, squeegee, trowel, roller or airless sprayer. Over smooth surfaces, such as poured-in-place concrete, apply DuraGhard Below Grade Sealant evenly in two 30 mil coats.

Membrane Protection

As soon as possible after completion of a successful water test or visual inspection and/or repairs, cover membrane with approved protection board or geotextile drainage composite. All horizontal and vertical membrane must be protected.

Curing

At 75°F (24°C) and 50% relative humidity, allow each coat of DuraGhard Below Grade Sealant to cure 16 hours minimum.

Cure time will vary depending on temperature and humidity. If more than 48 hours pass between coats the surface must be re-primed.

DuraGhard Below Grade Sealant is very sensitive to heat and moisture. Higher temperatures and/or high humidity will accelerate the cure time. Use caution in thickness of application. Limit single coat thickness to 30-40 wet mils (760-1016 microns).

SAFETY & PRECAUTIONS

Cleanup

Equipment should be cleaned with an environmentally safe solvent, as permitted under local regulations, immediately after use.

Storage

DuraGhard Below Grade Sealant has a shelf life of one year from date of manufacture in original, factory-sealed containers when stored indoors at a temperature between 60-95°F (15-35°C).

Limitations

The following conditions must not be coated with Ghemco deck coating systems or products: on grade slabs, split slabs with buried membrane, sandwich slabs with insulation, slabs over unvented metal pan, swimming pools, magnesite, lightweight concrete. Asphalt surfaces and asphalt overlays may be coated with Ghemco coating systems if first coated with the DuraGhard Below Grade Sealant.

Surfaces must be dry, clean and area of foreign matter. Clear coating may turn opaque and cloudy due to moisture penetration, especially in exterior applications. Surface may be slippery when wet. Containers that have been opened must be used as soon as possible. Do not dilute under any circumstance.

With regard to coating asphalt surfaces, please contact your Ghemco Representative. May not be exposed to Ultraviolet rays.

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TECHNICAL DATA

| | Horizontal (H) | Vertical (V) |
|---------------------------------|----------------------------------|----------------------------------|
| Hardness ASTM-2240 | 50 ± 5 Shore A | 45 ± 5 Shore A |
| Tear Resistance | 70 ± 20 pli / 9.3 ± 2.6 kN/m | 100 ± 20 pli / 13.3 ± 2 kN/m |
| Tensile Strength | 450 ± 50 psi / 3.1 ± 0.3 MPa | 500 ± 50 psi / 3.4 ± 0.3 MPa |
| Ultimate Elongation | 500 ± 50% | 500 ± 50% |
| Specific Gravity | 1.28 ± 0.1 | 1.20 ± 0.3 |
| Total Solids by Weight | 95 ± 3% | 91 ± 3% |
| Total Solids by Volume | 94 ± 3% | 89 ± 3% |
| Viscosity at 80°F (27°C) | 5000 ± 2000 cps | 40,000 ± 20,000 cps |
| VOCs | 0.83 lb/gal, 100 gm/liter | 0.83 lb/gal, 100 gm/liter |
| Service Temperature | -25°F to 200°F (-31.7°C to 65°C) | -25°F to 200°F (-31.7°C to 65°C) |

Warning:

This product contains Aromatic Hydrocarbons, Isocyanates and Solvent.

* This information is intended only as a guide for design purposes. The values shown are the average values obtained from sprayed laboratory samples. The test methods were performed per the ASTM Book of Standards. Higher or lower temperature & humidity conditions will affect dry time. The information contained herein is for purposes of identifying the product and does not constitute a warranty that the product will conform to that description. Product specifications and performance will vary depending on application methodologies, raw materials and other factors.

Please read all information in the general guidelines, technical data sheets, application guide, and safety data sheets (SDS) before applying material. Published technical data and instructions are subject to change without notice. Contact your local Ghemco Representative or visit our website for current technical data and instructions. **DISCLAIMER:** All guidelines, recommendations, statements, and technical data contained herein are based on information and tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty, either expressed or implied. It is the user's responsibility to satisfy himself, by his own information and tests, to determine suitability of the product for his own intended use, application and job situation and user assumes all risk and liability resulting from his use of the product. We do not suggest or guarantee that any hazards listed herein are the only ones that may exist. Neither seller nor manufacturer shall be liable to the buyer or any third person for any injury, loss or damage directly or indirectly resulting from use of, or inability to use, the product. Recommendations or statements, whether verbal or in writing, other than those contained herein shall not be binding upon the manufacturer, unless in writing and signed by a corporate officer of the manufacturer. Technical and application information is provided for the purpose of establishing a general profile of the material and proper application procedures. Test performance results were obtained in a controlled environment and Ghemco makes no claim that these tests or any other tests, accurately represent all environments.