

▶ DuraGhard Top Coat

LIQUID APPLIED COATING

DuraGhard Top Coat is a polyester, aliphatic, single component, liquid applied, moisture cured, polyurethane topcoat for waterproofing membrane systems.

FEATURES & BENEFITS

- Seamless
- Durable
- Excellent Weatherability
- UV Resistant for Gloss Retention
- For use in SCAQMD areas

TYPICAL USES

- Concrete
- Plywood
- Heavy Pedestrian / Vehicular Traffic
- Re-sealing Existing Polyurethane Surfaces
- Most Metal, Wood, or Masonry Surfaces

DIRECTION OF USE

Coverage Rate

The approximate coverage is 1 gallon/100 sqft (0.41 l/sqm). Coverage rate will depend on surface roughness and porosity.

Mixing

Before application, mix DuraGhard Top Coat using a mechanical mixer at slow speed, until a homogeneous mixture and color is attained. Use caution not to whip air into the material as this may result in pinhole blisters and/or shortened pot life. Do not mix in an up and down motion.

Application

Apply DuraGhard Top Coat evenly over the entire substrate. For best results, airless sprayer or phenolic resin core roller may be used, but extra care should be taken not to cause air bubbles.

DuraGhard Top Coat may require more than one coat depending on the job specifications and requirements. When estimating material requirements, coverage rates tend to increase for subsequent coats of material. To achieve proper adhesion between coats it is imperative that recoating be done within 48 hours.

When DuraGhard Top Coat is used as a seal coat only, the surface must be clean, dry and primed with appropriate primer (see Ghemco Representative) to achieve proper adhesion to the surface. Primer may discolor when used under DuraGhard Top Coat.

Requires a continuous coating application to minimize lines and/or streaking.

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DIRECTION OF USE

Curing

At 75°F (24°C) and 50% relative humidity, allow each coat to cure 16 hours. Cure time will vary depending on temperature and humidity.

Allow 24 hours before permitting light pedestrian traffic and at least 72 hours before permitting heavy pedestrian or auto traffic on the finished surface. If more than 48 hours passes between coats, re-prime the surface with appropriate primer before proceeding.

If accelerated curing is required, add one quart (0.95 liter) of Quick Cure Additive in a 5 gallon pail (18.9 liters) of DuraGhard Top Coat and mix thoroughly. This accelerated DuraGhard Top Coat will cure in 6-8 hours at 75°F (24°C) and 50% relative humidity. The re-coat time with accelerator is reduced to 24 hours. If the re-coat window has passed, then solvent wipe the surface with VOC compliant solvent and re-prime surface with appropriate primer before proceeding to the next coat.

SAFETY & PRECAUTIONS

Cleanup

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

Storage

DuraGhard Top Coat has a shelf life of 1 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 coatings or systems: split slabs, buried membrane, sandwich slabs with insulation, slabs over unvented metal pan, magnesite, and non-structural lightweight concrete. On grade slabs may receive Ghemco system coatings provided a moisture-vapor transmission test is first performed. Please contact Ghemco's technical department with the results.

With regard to coating asphalt surfaces, please contact Ghemco's technical department.

Surfaces must be dry, clean and free 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.

Warning

This product contains Isocyanates and Solvent.

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TECHNICAL DATA

Color	Tint-White with color packs are available in Stone Grey, Dolphin Grey, Battleship Grey, Tan, Indian Sand and Ash Brown.
Packaging	1 gal can (3.78l); 5gal pail (18.9l); 55gal drum, net 50gal (189l, *not a stock item)
Coverage Rate	1 gal/100 sq ft (0.41 l/sqm)
Dry Film Thickness	12 ± 2 mils (305 ± 50µ)
Hardness	95 ± 5 Shore A
Tear Resistance, Die C ASTM D-624	500 ± 50 pli (87.6 ± 8.8 kN/m)
Tensile Strength ASTM D-412	3500 ± 300 psi (24.1 ± 2.1 MPa)
Ultimate Elongation ASTM 412	200 ± 25%
Specific Gravity	1.31
Total Solids by Weight	75.6% ± 2%
Total Solids by Volume	73.4% ± 2%
Viscosity at 75°F (24°C)	2000 ± 500 cps
VOC	0.82 lb/gal (98 gm/liters)

* 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 with-out 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.