

► DuraGhard Supreme Over Coat

LIQUID APPLIED COATING

Ghemco DuraGhard Supreme Over Coat is a single component, liquid applied, high strength, moisture cured, aromatic polyurethane waterproof membrane.

FEATURES & BENEFITS

- Seamless
- Economical
- Elastomeric
- Good Weatherability
- Proven Protection
- High Strength

TYPICAL USES

- Airports
- Stadiums
- Helicopter Pads
- Concrete Decks
- Heavy Auto Traffic
- Parking Structures
- Heavy Pedestrian Traffic
- Roofing

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 Supreme Over Coat using a mechanical mixer at slow speed, until a homogeneous mixture and color is attained. Use caution not to entrap 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

For best results, use a squeegee. Airless sprayer or phenolic core roller may be used but extra care should be taken not to cause air bubbles. To avoid potential outgassing, material should be applied when concrete temperatures are descending.

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

Allow coating to cure 16 hours before proceeding to subsequent coats. To attain proper adhesion between coats it is imperative that re-coating be done within 48 hours. If re-coat window has passed, then solvent wipe the surface with VOC-compliant solvent and re-prime with appropriate primer.

If accelerated curing is required, add one quart of DuraGhard Quick Cure Additive in a 5 gallon (18.9 liters) pail of DuraGhard Supreme Over Coat and mix thoroughly. This accelerated DuraGhard Supreme Over Coat will cure in 6-8 hours at 75°F (24°C) and 50% relative humidity.

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The Brand
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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. If more than 48 hours passes between coats, re-prime the surface with appropriate primer before proceeding.

At 75°F (24°C) and 50% relative humidity, allow 24-48 hours before permitting light pedestrian traffic and at least 72-96 hours before permitting heavy pedestrian or vehicular traffic on the finished surface.

DuraGhard Supreme Over Coat is very sensitive to heat and moisture. Higher temperatures and/or high humidity will accelerate the cure time. Use caution in batch sizes and thickness of application.

Low temperature and/or low humidity extend the cure time.

If DuraGhard Quick Cure Additive is used, then re-coat should be done within 12 hours after cure. If re-coat window has passed, then solvent wipe the surface with VOC compliant solvent and re-prime surface with appropriate primer.

SAFETY & PRECAUTIONS

Cleanup

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

Storage

DuraGhard Supreme Over 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	White, Stone Grey and Tan
Packaging	1 gal can (3.78l) w/vial catalyst; 5gal pail (18.9l) w/ 1/2 pint (0.245l) catalyst; 55gal drum, net 50gal (189l) w/ two 1/2 quart (0.946l) catalyst
Coverage Rate	1 gal/100 sq ft (0.41 l/sqm)
Dry Film Thickness	12 ± 2 mils (305 ± 50µ)
Hardness	90 ± 5 Shore A
Tear Resistance, Die C ASTM D-624	250 ± 50 pli (43.8 ± 8.8 kN/m)
Tensile Strength ASTM D-412	3000 ± 200 psi (20.7 ± 1.4 MPa)
Ultimate Elongation ASTM 412	450 ± 50%
Specific Gravity	1.13 ± 0.1 cps
Total Solids by Weight	80% ± 2%
Total Solids by Volume	74% ± 2%
Viscosity at 75°F (24°C)	1500 ± 500 cps
VOC	2.03 lb/gal (243 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.