

# ► DuraGhard Over Coat 250

AROMATIC POLYURETHANE OVER COAT

► The Brand  
You can Trust!

Ghemco DuraGhard Over Coat 250 is an aromatic, one component, liquid applied, moisture cured, polyurethane coating. Ghemco manufactures products in different VOC's ranging from 100 to 340 gms/liter to comply with VOC requirements in various regions. Make sure to use the correct grade of product which complies with VOC regulations/requirements applicable as per federal, state, statutory, counties, cities and local bodies at the place of installation.

## FEATURES & BENEFITS

- Economical
- Elastomeric
- Good Weatherability
- Seamless

## DIRECTION OF USE

### **Typical Uses**

- Concrete
- Metal, Rubber, Wood or Masonry Surfaces
- Pedestrian Traffic
- Plywood
- Resealing Existing Polyurethane Surfaces
- Vehicular Traffic

### **Mixing**

Before application, mix DuraGhard Over Coat 250 using a mechanical mixer at slow speed. Add DuraGhard Over Coat 250 Catalyst and continue mixing until a homogeneous mixture and color is attained. Boxing of the material is recommended. 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**

For best results, use a squeegee. Airless sprayer or phenolic resin core roller may be used but extra care should be taken not to cause air bubbles.

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

DuraGhard Over Coat 250 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 obtain 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 Ghemco SPUR Primer.

When DuraGhard Over Coat 250 is used as a seal coat only, the surface must be clean, dry and primed with Ghemco WMC Primer to achieve proper adhesion to the surface.

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### **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 SPUR Primer before proceeding.

Allow 24 hours before permitting light pedestrian traffic and at least 72 hours before permitting heavy pedestrian or auto traffic on the finished surface.

Uncured DuraGhard Over Coat 250 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 accelerated curing is required, add one quart (0.95 liter) of Ghemco Quick Cure Additive in a 5 gallon pail (18.9 liters) of DuraGhard Over Coat 250 and mix thoroughly. This accelerated DuraGhard Over Coat 250 will cure in 6-8 hours at 75°F (24°C) and 50% relative humidity. If Quick Cure Additive is used to accelerate curing then re-coat window for the subsequent coat is reduced to 24 hours after cure. If the re-coat window has passed, then solvent wipe the surface with VOC-compliant solvent and re-prime surface.

## SAFETY & PRECAUTIONS

### **Cleanup**

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

### **Storage**

DuraGhard Over Coat 250 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 deck 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 a Ghemco Representative with the results.

With regard to coating asphalt surfaces, please contact a Ghemco Representative.

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

<b>Coverage Rate</b>	1 gal/100 sqft / 0.41 l/sqm
<b>Tensile Strength,</b> ASTM D412	3000 ± 200 psi / 20.7 ± 1.4 MPa
<b>Ultimate Elongation,</b> ASTM D412	450 ± 50%
<b>Tear Resistance, Die C</b> ASTM D624	250 ± 50 pli / 43.8 ± 8.8 kN/m
<b>Hardness,</b> ASTM D2240	90 ± 5 Shore A
<b>Specific Gravity</b>	1.13 ± 0.1
<b>Total Solids, by Weight</b> ASTM D2669	80% ± 2%
<b>Total Solids, by Volume</b> ASTM D2697	74% ± 2%
<b>Viscosity at 75°F</b> (24°C)	1500 ± 500 cps
<b>VOC,</b> ASTM D2369-81	2.03 lb/gal / 243 gm/liters
<b>Dry Film Thickness,</b> per Coat	12 ± 2 mils / 305 ± 50 microns
<b>Color</b>	Stone Grey, and Tan. Custom colors available; please contact your Ghemco Representative.
<b>Packaging</b>	1 gallon can (3.78 liters) w/vial of catalyst / 5 gallon pail (18.9 liters) w/0.5 pint (0.24 liters) can of catalyst / 55 gallon drum, net 50 gallons (189 liters) w/1 quart (0.95 liters) can of catalyst

\* 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.