

► SolidGhard Under Coat

LIQUID APPLIED COATING

Ghemco SolidGhard Under Coat is a single component, liquid applied, moisture cured, aromatic polyurethane elastomeric waterproofing base membrane.

FEATURES & BENEFITS

- Economical
- Moisture Cured
- Seamless Waterproofing Membrane

TYPICAL USES

- Concrete
- Plywood
- Metal
- Wood

DIRECTION OF USE

-Surface Preparation

Refer to General Guidelines for complete information.

-Mixing

Before application, mix SolidGhard Under Coat using a mechanical mixer at slow speed. Mix SolidGhard Under Coat until a homogeneous mixture and color is attained. Use care not to allow the entrapment of air into the mixture. Do not mix in an up and down motion.

-Application

For best results, use a squeegee or notched trowel. A phenolic resin core roller may be used but extra care should be taken not to trap air which may result in bubbles.

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

It is recommended to apply an aggregate of washed, dry, rounded sand, approximately 16 or 20 mesh (0.84-1.19 mm), 6.5+ Mohs minimum hardness at a rate of 20 lbs/100 sqft (1kg/ sqm) or as required to achieve a slip-resistant finish, into the wet second coat, covering it completely. Broadcast sand until refusal and when the coating is dry, remove extra loose sand, preferably by vacuum.

Most applications require one or two coats. Please reference gallons required in the desired system sheet. To obtain proper adhesion between coats, it is imperative that re-coating be done within 48 hours.

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DIRECTION OF USE

-Curing

At 75°F (24°C) and 50% relative humidity, allow coating to cure 16 hours before proceeding to subsequent coats. Cure time will vary depending on temperature and humidity. If more than 48 hours passes between coats, reprime the surface with appropriate primer before proceeding.

If accelerated curing is required, add one quart of SolidGhard Quick Cure Additive in a 5 gallon pail of SolidGhard Under Coat and mix thoroughly. This accelerated SolidGhard Under Coat will cure in 6-8 hours at 75°F (24°C) and 50% relative humidity. If SolidGhard Quick Cure Additive is used, then re-coat should be done within 12 hours after cure. If re-coat window is passed then solvent wipe the surface with VOC compliant solvent and re-prime surface with appropriate primer.

SolidGhard Under 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.

SAFETY & PRECAUTIONS

-Cleanup

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

-Storage

SolidGhard Under 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

This product is not UV Stable.

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

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Color	Grey and Tan
Packaging	5 gallon pail (18.9l); 55gal drum, net 50gal (189l)
Coverage Rate	1 gal/100 sq ft (0.41 l/sqm)
Dry Film Thickness	11 ± 2 mils (279 ± 50µ)
Hardness ASTM D-2240	55 ± 5 Shore A
Tear Resistance, Die C ASTM D-624	170 ± 25 pli (28.9 ± 4.4 kN/m)
Tensile Strength ASTM D-412	800 ± 100 psi (5.5 ± 0.7 MPa)
Ultimate Elongation ASTM 412	500 ± 50%
Specific Gravity	1.26 ± 0.1 cps
Total Solids by Weight	81% ± 2%
Total Solids by Volume	71% ± 2%
Viscosity at 75°F (24°C)	6500 ± 2000 cps
VOC	2.01 lb/gal (240 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.