

# ► SolidGhard Top Coat

ROOFING PRODUCTS

► The Brand  
You can Trust!

Ghemco SolidGhard Top Coat is a versatile, multi-purpose, highly reflective, aliphatic single component, moisture cure, liquid polyurea-urethane coating designed for use as a top coat or for repair work on a variety of mature roof systems - spray polyurethane foam, single-ply, built-up roofs, modified bitumen, concrete, block walls, and an assortment of metal substrates.

## FEATURES & BENEFITS

Ghemco SolidGhard Supreme Top Coat provides a host of advantages. It is quick, easy to apply, and saves on labor cost. As a maintenance coating, it can be used to coat an entire roof system, to make spot repairs, or to provide additional protection when integrated with a reinforcement fabric. As with other Ghemco coatings, SolidGhard Top Coat provides exceptional resistance to chemicals, acids, oils, and other pollutants, all of which can affect and reduce the life of a roof system. It is a remarkably durable, high performance urethane coating that will protect and reduce the surface temperature of a roof and other substrates. It also helps to reduce internal temperatures of buildings and alleviate stress on HVAC systems. When used as part of a Ghemco Restoration System, it provides a cost-effective, cost-saving, eco-friendly approach of extending the life of an existing roof system.

## DIRECTION OF USE

### *Typical Uses*

Ghemco SolidGhard Top Coat can be applied to aged or cured spray polyurethane foam, single-ply, built-up roofs, modified bitumen, and concrete roof systems either as part of a complete cool roof restoration system or as part of a maintenance or repair program. It can also be used on block walls, and a variety of metal substrates. All Ghemco products are to be used and applied with reference to and in conjunction with Ghemco Guidelines and Specifications.

### *Mixing*

Review all technical data sheets, system sheets, labels, instructions, SDS, and Guide Specifications before mixing and applying. Mix 55 gallon (208.2 liters) drums and 5 gallon (18.93 liters) pails with a variable speed drill utilizing a jiffy mixer to suspend any settled pigments until a uniform color and consistency is achieved. Mixing time will vary based on temperature and atmospheric conditions.

### *Application*

Prior to coating any surface, be sure the coating will adhere by performing an adhesion test (ASTM D-903). Coating may be applied by brush, roller, or airless spray equipment (see Spray Application Guide). Do not apply when temperatures are below 40°F (4.4°C) or when precipitation is in the forecast within 48 hours. Spray application is not recommended below 50°F (10°C). In areas where the roof is subject to foot traffic, it is recommended to apply walkway pads for added protection and slip resistance.

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## DIRECTION OF USE

### ***Storage and Handling***

Keep containers closed. Store in a cool, dry place away from heat, sparks, open flame, and moisture. Keep material stored above 65°F (18°C). Open containers should be blanketed with dry nitrogen before resealing. Shelf life is 8 months.

## SAFETY & PRECAUTIONS

Review the Safety Data Sheets (SDS) and container labels for detailed health and safety information. This product is intended for industrial use by properly trained professional applicators only.

### ***Vapor Inhalation***

The best form of protection against organic solvents or potentially sensitizing vapors in the workplace is a fresh air supply. Numerous manufacturers, including the 3M Company and MSA, make full face, fresh air masks. For maximum protection, we recommend use of NIOSH/MSHA approved self-contained breathing apparatus with a full-face piece operated in a positive pressure mode. In well ventilated application conditions, the use of Type C organic vapor cartridge respirators is acceptable.

### ***Skin Contact***

To prevent excessive skin contact with the sprayed product, we recommend use of fabric coveralls and neoprene or other resistant gloves.

### ***Eye Contact***

Wear a full face mask or OSHA approved protective goggles.

### ***First Aid Consideration***

Vapor inhalation problems are characterized by coughing, shortness of breath and tightness in the chest. Anyone exhibiting these types of symptoms should be immediately removed from the workplace and administered oxygen or fresh air. If the condition is prolonged or extreme, SEEK EMERGENCY TRAINED MEDICAL ATTENTION IMMEDIATELY. Effects of overexposure to vapor are characterized by nasal and respiratory irritation, dizziness, nausea, headache, fatigue, possible unconsciousness, or even asphyxiation. If ingested and the victim is conscious, give large amounts of water or milk to drink. Obtain medical attention immediately. Skin contact with liquid components can result in a rash or other irritation. Wash the affected skin area with water. Wipe residual liquid from the skin with a clean cloth, then wipe the affected area with 30% solution of rubbing alcohol. Follow the alcohol wipe with repeated washings of soap and water. If a rash or other irritation develops, see a physician. eye contact with liquid or sprayed components can result in corneal burns or abrasions. Upon exposure, eyes should be flushed with water for an extensive period. SEEK EMERGENCY TRAINED MEDICAL ATTENTION IMMEDIATELY.

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## TECHNICAL DATA

<b>Coverage Rate</b>	1 gal/100 sqft / 0.41 l/sqm
<b>Tensile Strength</b>	3000 psi / 20.7MPa
<b>Tensile Elongation</b>	300 ± 15%
<b>Tear Resistance</b>	350 pli / 61.3kN/m
<b>Hardness</b>	95% Shore A
<b>Specific Gravity</b>	1.345
<b>Total Solids, by Weight</b>	83 ± 2%
<b>Total Solids, by Volume</b>	81 ± 2%
<b>Viscosity at 75°F</b>	6,000 - 3,000 cps
<b>VOC</b>	0.33 lb/gal / 50 gm/liters
<b>Wet Film Thickness, per Coat</b>	22.56 mils / 609 microns
<b>Color</b>	White (Custom colors available, please ask a Ghemco Representative)
<b>Packaging</b>	5 gallon pail (18.9 liters) / 55 gallon drum, net 50 gallons (189 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 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.