

GC ULTRA-BOND 13

WATER BASED EPOXY PRIMER

GC ULTRA-BOND 13 is a two component (4:1), liquid applied, water-based epoxy primer with unique penetrating characteristics and rust inhibiting properties. GC Ultra-Bond 13 is substrate adhesive primer and a bleed block suitable over recommended substrates. GC Ultra-Bond 13 can be used with all GC Ultra-Flex Acrylic and Ultra-Guard Silicone restoration systems.

GC Ultra-Bond 13 is a low viscosity, quick cure, substrate penetrating roofing primer.

RECOMMENDED USES

- Polyurethane Foam
- Concrete and Masonry
- BUR and Aged EPDM membrane*
- Ferrous Metal
- Wood

PACKAGING

1-gallon kit: Side-A at 0.80 gallon and Side-B at 0.20 gallon

5-gallon kit: Side-A at 4 gallons and Side-B at 1 gallon

COLOR

Side-A: Yellow

Side-B: Off White

TECHNICAL DATA

PHYSICAL PROPERTIES	
Coverage Rate	1 gallon per 100-400 square feet*
Dry Film Thickness (1 gal / 300 sqft)	3 ± 1 mils (76.2µ)
Mixing Ratio by Volume	4A : 1B
Specific Gravity	Side-A: 1.13 Side-B: 1.07
Pot Life @ 75°F (24°C), 50% R.H.	30 - 45 minutes
Viscosity at 75°F (24°C), Part-A & Part-B Combined	1,500 ± 300 cps
Total Solids by Weight, ASTM D2369	45 ± 2%
Total Solids by Volume, ASTM D2697	39 ± 2%
Volatile Organic Compound, ASTM D2369-81	43 g /L
Dry Time	2-4 hours
Recoat Time	24 hours
Dry times vary by field condition but tested above @ 77°F (25°C) - 50% R.H at 6-8 mil thickness. *Depending on the substrate - new BUR 1 gallon per 100 square feet, aged BUR 0.5 gallon per 100 square feet.	

REQUIREMENTS

GC Ultra-Bond 13 is an epoxy primer which should be applied only by trained or manufacturer-approved roofing experts familiar with the properties of this material.

EQUIPMENT

GC Ultra-bond 13 primer is a plural component that is designed for airless sprayer or conventional spray equipment. It can be applied using an airless sprayer, brush, or phenolic resin core roller.

APPLICATION

Remove all contaminants, oil and grease from substrate. GC Ultra-Bond 13 should be applied at the rate of 1/4 to 1 gallon per 100 sqft or 100 to 400 sqft/gallon depending on substrate. It can be applied using an airless sprayer, brush, or phenolic resin core roller. Allow GC Ultra-Bond 13 to become tack free before applying the coating. Recommended surface temperature should be greater than 50°F (10°C). Ultra-Bond 13 is sensitive to heat and moisture. Higher temperatures will significantly accelerate the cure time and decrease pot life. Use caution in batch sizes and thickness of application. Low temperature and/or low humidity will extend the cure time.

MIXING

GC Ultra-Bond 13 should not be diluted under any circumstances. Volume-mixing Ratio: 4 units Side-A yellow liquid to 1 unit Side-B off-white liquid. GC Ultra-Bond 13's Side-A and Side-B should be thoroughly mixed prior to combining to ensure a homogeneous material. The combined components should be thoroughly blended using a mechanical mixer at slow speed for < 3 minutes or for at least 5 minutes if mixed by hand.

PROTECTIVE EQUIPMENT

Since GC Ultra-Bond 13 is atomized into a very fine particle distribution during spray application, it is essential that maximum effort is made to protect the spray mechanic and others near the workplace from undue exposure.

The best form of protection against organic solvents is the use of Type C organic vapor cartridge respirators. To prevent excessive skin contact with the sprayed product, we recommend use of fabric coveralls and neoprene or other resistant gloves. Wear safety glasses or OSHA-approved protective goggles.

JOB-SITE PROTECTION

Overspray from GC Ultra-Bond 13 can carry considerable distances and attention should be given to the following:

1. Post warning signs a minimum of 100 feet from the work area.
2. Cover all intake vents near the work area.
3. Minimize or exclude all personnel not directly involved with the spray application.
4. No welding, smoking or open flames.
5. Have CO₂ or other dry chemical fire extinguisher available at the jobsite.
6. Provide adequate ventilation.

SHELF LIFE AND STORAGE

The shelf life of GC Ultra-Bond 13 is 12 months from the date of manufacture when stored in original unopened containers at temperatures between 50–75°F (10–24°C). Keep containers closed and store in a dry, cool place away from direct sunlight, heat, sparks, open flame, and moisture.

FREIGHT CLASSIFICATION

Liquid Plastic Material - NOIBN

HEALTH AND SAFETY

GCMC is committed to the health and safety of our customers. GCMC products shall only be installed by certified contractors. Applicators are required to follow all proper handling, safety and installation procedures. Safety Data Sheets (SDS) are available on this material. Any individual who may come in contact with these products should read and understand the SDS.

VAPOR INHALATION

Effects of overexposure to vapor are characterized by nasal and respiratory irritation, dizziness, nausea, headache, fatigue, possible unconsciousness or even asphyxiation. Vapor inhalation problems are characterized by coughing, shortening 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, SUMMON EMERGENCY TRAINED MEDICAL ATTENTION IMMEDIATELY.

SKIN CONTACT

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 with soap and water. If a rash or other irritation develops, see a physician.

EYE CONTACT

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. SUMMON EMERGENCY TRAINED MEDICAL ATTENTION IMMEDIATELY.

TECHNICAL SERVICES

Additional information, such as brochures, technical assistance, and management services are also available from a General Coatings Manufacturing Corp. Technical Consultant.

LIMITED WARRANTY. We warrant our Products to be free of manufacturing defects and to comply with the Product's current published physical properties when tested under controlled conditions. Our sole responsibility is limited to replacement of that portion of any Products found to be defective at the time of manufacture. There are no other warranties of any nature whatsoever, whether expressed or implied, including an express disclaimer of any warranty of merchantability or fitness for a particular purpose. Further, we disclaim any liability for damages of any type, however caused, including remote, consequential damages, or special damages resulting from any theory of liability, whether based on tort, negligence, or strict liability. We disclaim responsibility for any claims of intellectual property infringement through use of our Products in any manner. Where Products are used as a waterproofing membrane or floor coating, no warranty or guarantee is issued with respect to appearance, color, fading, chalking, staining, shrinkage, peeling, abnormal wear and tear, or improper application by the applicator. Damage caused by abuse, neglect, lack of proper maintenance, acts of nature and/or physical movement of the substrate or structural defects are also excluded. In all instances and as a pre-condition to any available remedy, we reserve the right to conduct sample testing and performance analysis on any materials claimed to be defective, performed prior to any repairs being made by owner, general contractor, or applicator. Our limited warranty is void if repairs have been made or attempted, or if the claimed defect has been adulterated prior to our ability to conduct a formal investigative analysis.

DISCLAIMER: Please read all information in the general guidelines, technical data sheets, application guide and safety data sheets (SDS) before applying material. Products are for professional use only and should only be applied by professionals who have prior experience with our Products or have undergone specific training in their proper application. Published technical data and instructions are subject to change without notice. Contact your local representative or visit our website for current technical data and instructions. 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 these tests are not guaranteed and are not to be construed as a warranty, either expressed or implied, including any warranty of merchantability or fitness for a particular purpose in connection with any product. 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 own use of the product. We do not suggest or guarantee that any hazards listed herein are the only ones that may exist. We are not liable to the purchaser, end-user, or any third party for any injury, loss or damage directly or indirectly resulting from use of, or inability to use, our Products. Recommendations or statements, whether verbal or in writing, shall not be binding upon us unless in writing and signed by one of our authorized corporate officers. Technical and application information is provided for establishing a general profile of the material and proper application procedures. Test performance results were obtained in a controlled environment and we make no claim that these tests or any other tests, accurately represent all environments. We are not responsible for typographical errors. © **General Coatings Manufacturing Corporation. All Rights Reserved.** Revision ULTRA BOND13_08172020.EA