

GC ULTRA-BOND 12

RINSEABLE EPDM PRIMER

GC ULTRA-BOND 12 is a low viscosity sprayable liquid used to pre-treat black EPDM rubber roof membrane prior to power washing and application of the roof coating. GC Ultra-Bond 12 is designed for use with all GC Ultra-Flex Acrylic and Ultra-Guard Silicone restoration systems.

GC Ultra-Bond 12 is an odorless, water based, wash primer that is non-hazardous and non-flammable.

RECOMMENDED USES

- To Pre-Treat Black EPDM Rubber Roof Membrane

PACKAGING

5-gallon pail

55-gallon drum

COLOR

Pink to purple

TECHNICAL DATA

PHYSICAL PROPERTIES	
Coverage Rate	1/5 gallon per 100 square feet or 500 sqft/gallon
Specific Gravity	1.02
Service Temperature	200°F (93°C)
Viscosity at 75°F (24°C)	250 cps
Elongation	Over 100%
Volatile Organic Compound, ASTM D2369-81	0 g / L (0 lbs / gal)
Dry Time	15-30 minutes
Recoat Time	48 hours
Dry times vary by field condition but tested above @ 77°F (25°C) - 50% R.H at 2 mil thickness.	

REQUIREMENTS

GC Ultra-Bond 12 is a wash primer which should be applied only by trained or manufacturer-approved roofing experts familiar with the properties of this material.

EQUIPMENT

GC Ultra-Bond 12 primer is designed for Hudson type sprayer, airless or conventional spray equipment. It can be applied using an airless sprayer, brush, or phenolic resin core roller.

APPLICATION

Substrates to receive primer should be clean, dry and free of any foreign material such as grease, oil, water, dirt, etc. GC Ultra-Bond 12 is fast-drying and has little or no smell associated with its application. Recommended surface temperature should be greater than 50°C (10°C).

GC Ultra-Bond 12 should be applied the following way:

1. Apply GC Ultra-Bond 12 via a sprayer (Hudson-type agricultural, conventional pressure, or airless) at an application rate of one gallon/500 sqft or 500 square feet/gallon. Use a 3-4 foot arc pattern.
2. Allow GC Ultra-Bond 12 to stand for a minimum of 15 minutes.
3. Clean EPDM with a commercial power washer (between 2000-3500 psi). When cleaning the EPDM, it should be done slowly and close to surface in order to remove mica and inorganic release agents.
4. Rinse thoroughly with power washer. The rinse step may be done at a faster pace than the cleaning step. The final rinse water should be clear with no bubbles present.
5. The EPDM will range from muddy brown to black after washing with GC Ultra-Bond 12.
6. When the surface is dry, application of coating can begin.

MIXING

GC Ultra-Bond 12 should be thoroughly blended using a mechanical mixer at slow speed or for at least 5 minutes if mixed by hand.

PROTECTIVE EQUIPMENT

Since GC Ultra-Bond 12 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.

PROTECTION OF THE WORKPLACE

Overspray from GC Ultra-Bond 12 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 12 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.

DISPOSAL

It is important to note that Section 14 of the SDS titled "Disposal Considerations" discusses spills of undiluted GC Ultra-Bond 12. These undiluted spills are different from the rinsate referred to below in the technical notes. The rinsate is defined in these notes as the roof washings composed of diluted GC Ultra-Bond 12 that result from the proper use of the product according to the application guidelines. In general, during the pressure washing of a roof, one part of GC Ultra-Bond 12 is diluted with 300 parts of water.

Ensure proper drainage: General Coatings Manufacturing Corp. advocates the use of prudent judgment regards the release of roof rinsate containing EPDM roof primer GC Ultra-Bond 12 into the environment. Based on aquatic toxicity data, GC Ultra-Bond 12 is classified as of LOW CONCERN to aquatic invertebrates and fish, according to the USEPA TSCA classification criteria, i.e., the LC/EC50 > 100 mg/L. Specific for GC Ultra-Bond 12, the results indicate that the lethal or effective (functional) concentration affecting 50% of the tested population is greater than 220 mg/L of GC Ultra-Bond 12 for fish, and aquatic invertebrates. GC Ultra-Bond 12 is classified as of moderate concern to algae according to USEPA TSCA classification criteria, i.e. the LC/EC50 is between 1 mg/L and 100 mg/L. Dilution of the primer with rinsate and subsequent added dilutionary capacity of receiving streams, rivers or ponds would likely buffer any potential for adverse effects.

Because of the low toxicity of the formulation to fish, aquatic invertebrates and algae it is unlikely that releases of the diluted GC Ultra-Bond 12 material into a storm sewer will cause adverse impact to exposed organisms. The numbers and diversity of organisms in these non-natural systems are anticipated to be low. Increased dilutionary capacity of any receiving water body will serve to further mitigate any potential for adverse effects. Without detailed plans regarding the receiving water course at the site in questions, caution should be exercised. Release of rinsate into pristine or near pristine water courses should be avoided.

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.

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