

GC ULTRA-BOND 55

MODIFIED ALKYD METAL PRIMER

ULTRA-BOND 55 is a high-solids, red-oxide alkyd metal primer for steel surfaces. Ultra-Bond 55 is fast drying, VOC (less than 340 gms./liter), and rust inhibitive. Ultra-Bond 55 can be used with all Ultra-Flex Acrylic, Ultra-Guard Silicone, and Ultra-Thane Roof Foam systems.

Ultra-Bond 55 is an abrasion resistant, interior and exterior metal maintenance primer that is free of heavy metal hazards.

RECOMMENDED USES

- Blasted Steel
- Ferrous Metal
- Galvanized Metal

PACKAGING

5-gallon pail

55-gallon drum

COLOR

Reddish Brown

TECHNICAL DATA

PHYSICAL PROPERTIES			
Coverage Rate	Depending on the substrate; 1/4 to 1/2 gallon per 100 square feet or 205-342 sqft/gallon		
Wet mils	5.0 - 8.0		
Dry mils	3.0 - 5.0		
NOTE: Brush application may require multiple coats to achieve maximum film thickness and uniformity of appearance.			
Curing Mechanism	Solvent Evaporation/Oxidation		
Drying Schedule (temperature & humidity dependent) @ 50% RH @ 5 mils wet:			
	40°F (°C)	77°F	110°F
To Touch	1 hr	25 min	15 min
Tack Free	2 hrs	45 min	30 min
To Recoat	4 hrs	1 hr	1 hr
To Top Coat	96 hrs	48 hrs	24 hrs
NOTE: Primer should be top-coated within six months.			
Flash Point	74°F (Pensky-Matens Closed Cup)		
VOC	348 g/l, or 2.57 lbs./gal.		
Volume Solids	60% +/- 2%		
Weight Solids	81% +/- 2%		
Weight/Gallon	14.5 lbs./gal.		

REQUIREMENTS

Ultra-Bond 55 is an alkyd based metal primer which should be applied only by trained or manufacturer-approved roofing experts familiar with the properties of this material.

EQUIPMENT

Ultra-Bond 55 primer is designed for airless or conventional spray equipment. It can be applied using an airless sprayer, brush, or phenolic resin core roller.

Methods:

Brush:

China Bristle. Confined to small areas and touch-up

Airless Spray:

Pressure: 1800- 3000 psi

Tip: .015" - .019"

Filter: 60 mesh

Hose: 1/4"

Conventional Spray:

50 psi atomization pressure, 15-20 psi fluid pressure. Binks gun model 18, air nozzle 63PB, fluid nozzle 63C or equivalent equipment.

APPLICATION

Intimate contact of the steel surface and primer is necessary for adhesion and rust inhibition.

Double coat all edges, corners, welds and crevices.

Application Conditions:

Temperature: air, surface, material: 40°F – 120°F (at least 5°F above the dew point)

Relative Humidity: 85% maximum

MIXING

Ultra-Bond 55 should be thoroughly blended using a mechanical mixer at slow speed or for at least 5 minutes if mixed by hand.

Reducer: MEK/Xylene

Reduction: Airless spray: None

Conventional spray: reduce up to 5% by volume as necessary to be compatible with the existing application and environmental conditions.

SURFACE PREPARATION

Surface must be dry and in sound condition. Remove oil, dust, dirt, mill scale, rust, and other contaminants to ensure good adhesion.

For maximum performance, the surface must be abrasive blasted for proper adhesion. All blasted steel must be primed the same day.

Iron and Steel:

Remove all grease and oil from the surface by solvent cleaning per SSPC-SP1. Minimum surface preparation is Hand Tool Clean per SSPC-SP2, or Power Tool Clean per SSPC-SP3. For better performance, the surface should be blast cleaned to Commercial Blast per SSPC-SP6.

PERSONAL PROTECTIVE EQUIPMENT

Since Ultra-Bond 55 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 Ultra-Bond 55 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 Ultra-Bond 55 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

Paint, Class 3 - Flammable Liquid

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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 product. Any individual who may come in contact with these products should read and understand the SDS.

VAPOR INHALATION

Respiratory protection is MANDATORY! 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. 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

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

Wear a full-face mask or OSHA-approved protective goggles. 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.

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