

**GENERAL COATINGS'**  
**ULTRA-FLEX 1300**  
METAL ROOF COATING

**ULTRA-FLEX 1300** is a water borne elastomeric top coat specially formulated for installation over standing seam or lap designed metal roof systems with its ease of application and dirt pickup resistance. Ultra-Flex 1300 provides superior waterproofing and UV solar reflectance as well as good elongation, tensile, and wet adhesion.

Ultra-Flex 1300 is formulated to seal up seams and penetrations to extend the life of existing metal buildings.

**RECOMMENDED USES**

- Metal Roofs
- Agricultural Quonset Structures

**PACKAGING**

5-gallon pail

55-gallon drum

250-gallon tote

**COLOR**

Standard colors are Tan, Gray and White. Other colors are available on special order.

**TECHNICAL DATA**
**PHYSICAL PROPERTIES (BASED ON DRAW DOWN FILM)**


Property	ASTM-Test Method	Value
Total Solids by Volume	ASTM D2697	58%
Total Solids by Weight	ASTM D1644	70%
Initial Elongation	ASTM D2370	350%
Initial Tensile Strength	ASTM D2370	300 psi
Tear Resistance Die C	ASTM D624	125 lbi
Durometer Hardness: Shore A	ASTM D2240	65 - 75
Permeance	ASTM D1653	22 perms
Water Swelling	ASTM D471	28
Wet Adhesion	ASTM C794, D903	1.8 pli
Viscosity (KU)	ASTM D562	110

*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.*

## CREENTIALS AND CERTIFICATIONS

Ultra-Flex 1300 is classified as Class A by Underwriters Laboratories in accordance with UL-790.

Ultra-Flex 1300 exceeds all the minimum requirements for ASTM D6083 and is Title 24 compliant.

		<u>Initial</u>	<u>Weathered</u>
	Solar Reflectance	0.81	0.73
	Thermal Emittance	0.91	0.91
	Rated Product ID	0684-0022	
	Licensed Manufacturer ID	0684	
Classification		Standard Product	
<small>Cool Roof Rating Council ratings are determined for a fixed set of conditions, and may not be appropriate for determining seasonal energy performance. The actual effect of solar reflectance and thermal emittance on building performance may vary.          Manufacturer of product stipulates that these ratings were determined in accordance with the applicable Cool Roof Rating Council procedures.</small>			

COVERAGE RATE (OVER METAL)	
Property	Value
Coverage	9.2 mils at 1 gallon per 100 square feet
Performance, 10 years	3 to 4 gallons per 100 square feet
Performance, 15 years	4 to 5 gallons per 100 square feet
Performance, 20 years	5 to 6 gallons per 100 square feet
Dry Time	4 hours
Recoat Time	12 hours
Final Cure	30 days
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Ultra-Flex 1300, when used as a protective membrane over metal roofs, should be applied to a minimum of 24 dry mils in two applications. Sloped or profiled surfaces may require more coating to obtain the desired dry film thickness.

## REQUIREMENTS

Ultra-Flex 1300 is a water borne elastomeric which should be applied only by trained or manufacturer-approved roofing experts familiar with the properties of this material.

## EQUIPMENT

Ultra-Flex 1300 may be applied by brush or roller, and by airless spray equipment.

## APPLICATION

Ultra-Flex 1300 must be mixed thoroughly prior to application to ensure uniformity.

All surfaces must be clean, dry and free of dirt, grease, oil, or other contaminants that would interfere with proper adhesion. Apply Ultra-Flex 1300 at temperatures above 50°F (10°C). Apply only when weather conditions will permit drying before rain, dew or freezing temperatures. Cool temperatures and high humidity may retard cure.

Apply Ultra-Flex 1300 at a MAXIMUM of 1 1/2 gallons per 100 square feet per coat. The coating shall be back rolled to ensure uniform coverage and release air entrapment. If additional coating is required, the first coat must be

FULLY cured to avoid blistering. Note: "Tack-free" or "dry to touch" does not necessarily indicate the coating is fully cured. When spray applying over mineral cap-sheet or porous surfaces, it is HIGHLY recommended that the first coat be backrolled.

Do not install as top coating. Install as base coating with a minimum of 10 mils of recommended top coating to ensure optimum performance life. Ultra-Flex 1300 should not be applied directly over polyurethane foam.

## PERSONAL PROTECTIVE EQUIPMENT

Since Ultra-Flex 1300 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-Flex 1300 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 CO<sub>2</sub> or other dry chemical fire extinguisher available at the jobsite.
6. Provide adequate ventilation.

## SHELF LIFE AND STORAGE

Ultra-Flex 1300 has a shelf life of one (1) year from date of manufacture in original, factory-sealed containers when stored indoors at a temperature between 40-80°F (4.4-26°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.

**GENERAL COATINGS'  
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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-FLEX 1300\_08172020EA