

ULTRA-FLEX 1000

WATERBORNE ACRYLIC ELASTOMER

DESCRIPTION AND USE

ULTRA-FLEX 1000 is a high-solids, heat-resistant, single-component water-borne acrylic elastomeric coating. *ULTRA-FLEX 1000* is formulated to have excellent adhesion to polyurethane foam as well as other properly prepared construction surfaces. *ULTRA-FLEX 1000* features include:

1. Ease of application
2. Outstanding UV resistance
3. Excellent low temperature flexibility
4. Non-flammable; water clean-up
5. Excellent dirt pickup resistance
6. Excellent fungus & mildew growth resistant

COLORS

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

COVERAGE

ULTRA-FLEX 1000 has a theoretical dry film thickness of 8.6 mils when applied at 1 gallon per 100 square feet.

STORAGE STABILITY

ULTRA-FLEX 1000 has a minimum shelf life of one year when stored at temperatures between 40°F and 80°F. Caution should be exercised to prevent material from freezing.

THINNER

ULTRA-FLEX 1000 should be applied directly from the container without thinning.

PRIMER

Sprayed Foams: No primer necessary. Consult manufacturer for application to other surfaces.

APPLICATION INSTRUCTIONS

ULTRA-FLEX 1000 must be mixed thoroughly prior to application to assure uniformity. All special colors should be mixed prior to application to assure uniform dispersion of the pigments. *ULTRA-FLEX 1000* may be applied by brush or roller, and by either conventional or airless spray equipment. Surfaces to which *ULTRA-FLEX 1000* is to be applied shall be free of water, grease, oils, dirt, debris, and other foreign materials.

CREDENTIALS AND CERTIFICATIONS

ULTRA-FLEX 1000 is classified as Class A by Underwriters Laboratories in accordance with UL-790 and is an integral component of numerous roof deck assemblies under UL File #14330.

ULTRA-FLEX 1000 is evaluated by ICC-ES in ESR 3239.

ULTRA-FLEX 1000 is listed by the California State Fire Marshall

ULTRA-FLEX 1000 exceeds all the minimum requirements for ATSM D6083 and is Title 24 compliant.

CURE TIMES

ULTRA-FLEX 1000, when applied at 22 wet mils and at conditions of 75°F and 50% relative humidity, will dry to the touch in 4 hours, may be recoated in 12 hours, and will reach final cure in 30 days. Colder weather and/or higher humidity will retard curing, where as hotter weather and/or lower humidity will accelerate curing.

Note: A quick set version is available upon request

RECOMMENDED THICKNESS

ULTRA-FLEX 1000, when used as a protective membrane over polyurethane foam, should be applied to a minimum of 24 dry mils in two applications. Coarse or textured surfaces may require more coating to obtain the desired dry film thickness.



	Initial	Weathered
Solar Reflectance	84.4	67.0
Thermal Emittance	0.90	0.91
Rated Product ID	0684-0002	
Licensed Manufacturer ID	0684	
Classification	Acrylic Coating	

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 procedures.

NOMINAL PROPERTIES ASTM D6083

PHYSICAL PROPERTY	TEST METHOD	REQUIREMENT	VALUE
Solids by Volume	ASTM D2697	> 50	54%(+/-2)
Solids by Weight	ASTM D1644	> 60	66%
Flash Point	ASTM D56	No Reference	>212°F
Initial Elongation (%)	ASTM D2370	100 Minimum	125 (+/-25)
Initial Tensile Strength (psi)	ASTM D2370	200 Minimum	310 (+/-50)
Dry Adhesion (pli)	ASTM C794, D903	No Reference	3.5
Wet Adhesion (pli)	ASTM C794, D903	2 Minimum	2.9
Tear Resistance (lbf / in)	ASTM D624	> 60	70
1000 hr Accelerated Weathering	ASTM D4798	No Cracking or Checking	No Cracking or Checking
Elongation After Accelerated Weathering (%)	ASTM D2370	100 Minimum	175 (+/-25)
Low Temperature Flexibility After Accelerated Weathering	ASTM D522	Pass 1/2" Mandrel @ - 15°F	Pass
Permeance (perms)	ASTM D1653	50 Maximum	6
Water Swelling (%)	ASTM D471	20 Maximum	10
Fungi Resistance (zero = No Growth)	ASTM G21	Zero Rating	Zero Rating
Impact Resistance	ASTM D2794	No Reference	>160
Tension Set @ 100%	ASTM D-412	No Reference	0%
Durometer hardness: Shore A	ASTM D-2240	No Reference	65-75

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.

WEATHERING AND ULTRAVIOLET RESISTANCE

ULTRA-FLEX 1000 had excellent appearance with no significant discoloration, checking, cracking, delamination or loss of flexibility and only slight chalking after 8,000 hours QUV accelerated weathering.

SAFETY, HEALTH & TOXICITY DATA

ULTRA-FLEX 1000 is intended for application only by professional trained applicators. Avoid breathing of vapor or spray mist. Care should be taken to exclude all personnel not directly involved with the spray application. Ultra-flex 1000 should not be applied when the wind is of sufficient velocity to cause overspray of adjacent areas, buildings or people.

The information herein is believed to be reliable, but unknown risks may be present. **General Coatings Manufacturing Corp.** warrants only that the material shall be of merchantable quality; this warranty is in lieu of all other written or unwritten, expressed or implied warranties; and **General Coatings Manufacturing Corp.** expressly disclaims any warranty for a particular purpose or freedom from patent infringement. Accordingly, Buyer assumes all risks whatsoever as to the use of these materials and Buyer's exclusive remedy as to any breach of warranty or negligence claim shall be limited to the purchase price of the materials. Failure to strictly adhere to recommended procedures shall relieve **General Coatings Manufacturing Corp.** of all liability with respect to the materials or the use thereof.

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