

# Roof Coat Elastomeric Coating Product Data Sheet

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North America's Largest Roofing Manufacturer!™*



# Roof Coat Elastomeric Coating

Product Data Sheet

## BASIC USES & ADVANTAGES

**United Coatings™ Roof Coat Elastomeric Coating** adheres to a variety of substrates, including granulated BUR, SBS & APP, metal, wood, and concrete.

### Advantages:

- **High Reflectivity 84% ...** Helps save energy costs by reflecting heat away from the building
- **Water-based and Low VOC...** Approved for use even in states with tough UV standards
- **Versatile...** Can be applied by roller, brush, or airless sprayer

## PHYSICAL PROPERTIES

ROOF COAT ELASTOMERIC COATING	
% Solids by Volume	50% [ASTM D2369]
% Solids by Weight	66% [ASTM D2697]
Weight per Gallon	12.2 lb. ( 5.5 kg) [D1415]
VOC Maximum	<50 grams/liter [Regulatory]
Elongation Initial @ 73°F (23°C)	176% [ASTM D2370]
Solar Reflectance	0.84 initial, 0.67 aged [ASTM C1549]

Tensile Strength Initial @ 75°F (23°C)	158 psi (1089 kPa) [ASTM D2370]
Permeance	35 perms [ASTM D1653]
Water Swelling @ 7 days (peak)	15% [ASTM D471]
Standard Color	White

## PRODUCT DESCRIPTION

**United Coatings™ Roof Coat Elastomeric Coating** is a water-based acrylic coating. High reflectivity combined with good weatherability, ultraviolet resistance, adhesion, and ease of application make **Roof Coat Elastomeric Coating** an effective coating for providing long-term reflectivity over a wide range of roofing substrates. The high reflectivity of **Roof Coat Elastomeric Coating** keeps the roof substrate cool, which not only helps prolong its longevity but also helps save on energy costs. **Roof Coat Elastomeric Coating's** rich consistency uniformly covers the textured profile of various substrates, forming a flexible monolithic membrane that provides protection from normal weathering, aging, and ultraviolet exposure.

## PACKAGING & SHELF LIFE

5-gallon (18.9 liter) pail  
55-gallon (208 liter) drum

Shelf life: 18 months from date of manufacture in unopened containers, if stored properly in a clean, covered, and well-ventilated area at 40°F - 90°F (4°C - 32.2°C). Storage outside this temperature range may shorten shelf life. Keep containers covered when not in use. Do not allow coating to freeze.

## APPLICATION INSTRUCTIONS

**Substrate Preparation:** Clean and prepare surfaces to receive coating by removing all loose and flaking particles, grease, and laitance with the use of a stiff-bristle push broom and/or pressure-washing. Be sure that the substrate is dry before applying the coating. Rusty or deteriorated substrates must be primed with **Acrylex 400 Primer** or equal.

**Mixing:** Thoroughly mix using a power mixer for a minimum of 5 minutes prior to application. For 5-gallon (18.9 L) pails, use a 3" (76 mm) minimum diameter mixing blade; for 55-gallon (208 L) drum, use a 6" (152 mm) minimum diameter blade.

**Application: United Coatings™ Roof Coat Elastomeric Coating** may be applied by brush, roller, or airless sprayer. Apply evenly at a rate of 1.0 - 1.5 gallons/100 ft<sup>2</sup> (4.08 - 6.11L/ 10 m<sup>2</sup>) per coat with a minimum of two coats. Total coverage should be between 2.0 - 3.0 gallons/100 ft<sup>2</sup> (8.15 - 12.22 L/10 m<sup>2</sup>) and is dependent on the substrate. Smooth substrates will require less coating, while rough or porous substrates require more coating.

Total dry mil thickness should be between 16 - 24 mils (0.4 mm - 0.61 mm).

**Spray Application:** Use an airless spray pump with a 1 gallon per-minute (3.8 L/minute) output and 2,000 psi (13,790 kPa) pressure capability. Use a reversible, self-cleaning tip with orifice size 0.027" - 0.039" (0.69 - 0.99 mm) and a fan angle of 40° to 50°. Filter screens should be 30 mesh or larger. Use a 3/8" (9.5 mm) minimum inside diameter, nylon high-pressure-type hose for lengths up to 75 ft. (23 m) from pump. For 75 ft. - 200 ft. (23 - 51 m), use 1/2" (12.7 mm) inside diameter hose added to pump side of existing 3/8" (9.5 mm) hose to maintain pressure and delivery.

Additional coats may be applied as soon as the previous coat is dry enough to walk on and should be applied perpendicular to the previous coat to ensure proper coverage.

**For Application Questions:** Contact GAF Technical Services at 1-800-766-3411 or visit [gaf.com](http://gaf.com).

**Applicable Standards:** ASTM D2369, ASTM D2370, ASTM D1653, ASTM D471.

## LIMITATIONS & PRECAUTIONS

Store in well-ventilated area at 40°F - 90°F (4°C - 32°C). Do not allow to freeze. Keep containers covered when not in use. Do not apply if rain is expected within 24 hours after application. Do not apply on wet substrates. Do not apply when temperatures are below 50°F (10°C).

**GAF Liquid-Applied**

September 2016, supersedes January 2016

For technical, system, and warranty information, visit [gaf.com](http://gaf.com) or call 1-800-766-3411.

continued on next page



# Roof Coat Elastomeric Coating

Product Data Sheet

Page 2 of 2

## SAFETY & HANDLING

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For specific information regarding safe handling of this material, please refer to OSHA guidelines and product Safety Data Sheet (SDS).

## CLEAN-UP

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Clean equipment and overspray with water before curing. If coating has hardened, clean with mineral spirits or biodegradable turpentine solvent. Clean hands with soap and water or waterless hand cleaner. It is not recommended practice to leave the coating in the pump or hoses.

### GAF

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*See applicable warranties and guarantees for complete coverage and restrictions.*