



# EnergyCote™ Roof Coating

Product Data Sheet | Formerly TOPCOAT® EnergyCote™ Elastomeric Coating

## PRODUCT DESCRIPTION

United Coatings™ EnergyCote™ Roof Coating is a brilliant white, water-based, low-VOC, highly reflective, elastomeric coating that cures to form a seamless rubber membrane. It has been specifically designed to treat seams, laps, flashings, and other edges and details in reflective cap sheet products such as the EnergyCap™ roofing membrane. It is flexible and, due to unique emulsion chemistry, resists unsightly bleed-through over asphalt substrates better than other coating systems.

## WARRANTY

See applicable warranties and guarantees for complete coverage and restrictions.

## PACKAGING & SHELF LIFE

5 gallon (18.9 liter) pail

Shelf life 12 months if unopened containers stored between 50°F and 80°F. Protect from freezing.

## BASIC USES

United Coatings™ EnergyCote™ Roof Coating is designed to add reflectivity and protect areas of asphalt bleed-out on white reflective asphaltic roll roofing applications to give a uniform, brilliant white finish across the whole roof area. Matching granules may be broadcast into the asphalt bleed-out at seams prior to coating to enhance the finished appearance of the membrane.

### Advantages

- Highly compatible with asphaltic substrates and resistant to staining and asphalt bleed-through, even on fresh asphalt
- Ideal for touch-up of reflective asphaltic membranes
- No waiting period for exposed asphalt to age
- Low VOC and non-flammable
- Easy application by brush, roller, or spray

## PHYSICAL PROPERTIES

ENERGYCOTE™ ROOF COATING	
Application Rate	1 gallon/100 sq. ft.; 300 lin.ft per gallon @ 4" wide
Application Method	Airless sprayer, brush or roller
Application Temp (air, surface)	42° - 140°F
Drying Time (75°F, 50% RH)	Approximately 24 hours
Wet Mil Thickness	(1.0 Gallon/100SF) - 16 wet mils
Dry Mil Thickness	(1.0 Gallon/100SF) - 8 dry mils
Total Solids (by weight)	62% ± 2%
Total Solids (by volume)	51% ± 2%

Specific Gravity:	1.44 ± 0.1
Weight per Gallon:	12.0 ± 0.5 lbs.
Viscosity (75°F)	2,900 ± 2,000 cps
Solar Reflectivity	80%
Thermal Emittance	>0.90
Elongation	275%
Reflectivity	0.91 initial, aged pending (white only)
Emissivity	0.87 initial, aged pending (white only)
SRI	115 initial, 85 aged (white only)



## APPLICATION INSTRUCTIONS

**SUBSTRATE PREPARATION:** Roof must have positive drainage with no moisture trapped in the roof membrane. For non-metal roofs, GAF requires a moisture scan be performed by an independent source prior to issuance of a GAF guarantee. Roof substrate must be clean, completely dry, and free from any foreign matter. Pressure wash to remove all dust and debris, and allow to dry. Examine substrate to receive new roofing and conduct test patches to verify adhesion of coating prior to start of work. Check for any damaged roof membranes, including all flashings and penetrations, and repair as needed.

**MIXING:** EnergyCote™ Roof Coating is a ready-to-use material; however, some settling of material may have occurred during shipment and storage. Mix prior to use with a ¼ horsepower or larger mixer with a blade capable of uniformly mixing the entire container. For 5-gallon (19 liter) pails, use 3" (76 mm) minimum diameter mixing blades. For 55-gallon (208 liter) drums, use 6" (151 mm) minimum diameter mixing blades.

**APPLICATION:** Apply when temperatures are above 45°F

(5.5°C). Apply product with a roller, roofing brush, or sprayer, covering the surface at an even rate. For spray application, use an airless spray pump with a minimum 2 gallons-per-minute (7.6 L/min) output and a minimum 3,000 psi (20,685 kPa) pressure capability. Use a reversible, self-cleaning tip with an orifice size of .033" (.84 mm). Allow each coat to fully dry before applying next coat. Each coat shall be applied in a direction perpendicular to the previous coat. Apply at a rate of 1.0 gal/100 ft² (3.8 liter/9.3 m²) per coat. Total gallons (liters) per square depends on roof surface and specifications. Granular and coarse surfaces will require more coating than smooth surfaces to achieve desired dry mil thickness.

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

Applicable Standards: ASTM D2196, ASTM D1475, ASTM E1644, ASTM C1549, ASTM E408

Note: Repair leaks promptly to avoid adverse effects, including mold growth.

GAF Liquid-Applied

January 2016, superseded April 2018

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

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## **LIMITATIONS & PRECAUTIONS**

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Store in well-ventilated area at 50°F to 80°F. Protect from freezing.

## **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-Up: Water before curing.

### **GAF**

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