

TopCoat® EnergyCote™

Information Sheet

Updated: 2/06



***Quality You Can Trust Since 1886...
From North America's Largest Roofing Manufacturer™***



EnergyCote™ Coating

Super-high Reflectivity

Description

EnergyCote™ is a brilliant white, water-based, low VOC, highly reflective, elastomeric coating, which 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™ and CoolCap™ series of reflective membranes. It is highly reflective, flexible and, due to unique emulsion chemistry, resists unsightly bleed-through over asphalt substrates better than other coating systems. It is non-flammable, presents minimal hazard to the installer or the environment, and cleans up with water.

EnergyCote™ 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, non-flammable and presents minimal hazard to the installer or the environment.
- Easy application by brush, roller or spray.

Uses

EnergyCote™ 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

Application

Application Rate: Application rate is 1 gallon per 100 ft² (0.6 L/m²). At a typical width of 4" (100mm) coverage should be approximately 300 linear feet per gallon.

Installation:

- Surface must be free of water, ice, snow and debris prior to application. Do not apply at temperatures below 42°F (5.5°C). Substrate temperatures must be below 140°F (60°C) when applying product.
- Apply directly to exposed asphalt or dress asphalt to refusal with Energy White granules before coating
- Apply with a 4" roller or brush at a rate of 300 lin .ft/gallon
- Allow cold process adhesive to set for 30 days before application or some asphalt bleed through may be experienced.

Precautions

Compatibility & Limitations: Do not use on wet or damp surfaces. Do not apply if there is a threat of rain within 24 hours.

Application Temperature Range: Apply only when temperatures are 42°F (5.5°C) and rising. Do not heat container or attempt to thin this product. Not recommended for application on substrates that exceed 140°F (60°C).

Storage/Handling: Do not allow coating to freeze; if product freezes, discard it.

Clean Up: Keep containers covered when not in use. Clean equipment and over spray with water and soap. Clean hands with water and soap or waterless hand cleaner.

Caution

Ingestion: EnergyCote™ Coating should not be taken internally. If swallowed call physician immediately. Do not induce vomiting. Give 2 glasses of water to drink. Do not give anything by mouth to an unconscious person.

Ventilation: Use with adequate ventilation and close containers when not in use. If TLV (Total Level of Vapor) is exceeded, respirators are required (NIOSH/MSHA). Inhalation of high vapor concentration may result in headaches and/or dizziness. Remove individual to fresh air and administer oxygen if breathing is difficult. If breathing has stopped, administer artificial respiration, keep victim warm and order emergency medical attention immediately.

Eye Contact: Rinse immediately with water for 15 minutes and seek medical advice.

Personal Protection – Irritation may result from prolonged or repeated contact with skin. Wear chemical resistant gloves, protective goggles and protective clothing, if needed.

Waste Disposal: Empty containers must be disposed of in an approved landfill in accordance with local, state and federal regulations.

Physical Properties

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.
VOC Content(max):	< 50 grams/liter
Viscosity (75°F):	2,900 ± 2,000 cps
Solar Reflectivity:	80%
Thermal Emittance:	>0.90
Storage:	Store in well-ventilated area at 50°F to 80°F; protect from freezing
Shelf Life:	1 Year
Clean-up:	Water before curing
Unit Sizes:	5 gal/18.9 L or 2 gal/7.6 L pails

Applicable Standards

ASTM D-2196, ASTM D-1475, ASTM E-1644, ASTM C-1549, ASTM E-408

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

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

For Application Questions

GAFMC Contractor Services at 1-800-766-3411 or visit www.gaf.com

U.S. Intec Contractor Services at 1-800-624-6832 or visit www.usintec.com

DATA REPORTED ARE BASED ON AVAILABLE INDEPENDENT AND IN-HOUSE RESOURCES. BUILDING MATERIALS CORPORATION OF AMERICA RESERVES THE RIGHT TO CHANGE OR MODIFY, AT ITS DISCRETION AND WITHOUT PRIOR NOTICE, ANY OF THE INFORMATION, REQUIREMENTS, SPECIFICATIONS OR POLICIES CONTAINED IN THIS DOCUMENT.

**Recommended
By Major
Manufacturers,
Including:**



Manufactured By:
Building Materials Corporation Of America
1361 Alps Road, Wayne, NJ 07470
©2006 Building Materials Corporation Of America
02/06