

# USP® ENERGYKOTE ACRYLIC ROOF COATING

**Description:** USP® EnergyKote Acrylic Roof Coating is a bright white, low viscosity, high body, 100% acrylic emulsion polymer fluid applied coating that is designed for durability and maintenance of a high degree of solar reflectivity.

**Use:** Intended as a reflective top coat in conjunction with the appropriate USP® acrylic base coat over metal, asphaltic roofs, modified bitumen, EPDM, Hypalon (CSPE), and thermoplastic roofs.

## Product Data:

### USP® EnergyKote Acrylic Roof Coating (typical)

Meets ASTM D 6083

Solar Reflectance Index: 107

Initial Solar Reflectivity: 85%

Initial Emittance: .89

3 Year Aged Solar Reflectivity: 57%

Color: White

Viscosity: 60,000 cps @ 77°F

% Solids by weight: 65 min.

% Solids by volume: 50 min.

Elongation: 200%

Weight per gallon: 11.2 lbs.

Flash point (TCC): None

VOC: < 50 g/L

Container sizes: 5, 55 Gal

**Surface Preparation:** Surfaces to be coated must be clean, dry, paintable and free of foreign materials, oils, grease, mildew and other contaminants that may affect the bonding of the product. Surface should be prepared in accordance with base coating requirements. See application specification for more details.

**Mixing:** Remove lid. **No thinning or reducing is necessary.** Product may separate after shipping and storage, though it may still look mixed. Mechanically mix thoroughly and continuously before and during application. For best results, use a 3/4 horsepower or larger electric or air operated mixer with a blade capable of uniformly mixing the entire container. When product is in 5-gallon pails, use a 3" minimum diameter mixing blade. When product is in drums, use a 6" minimum diameter mixing blade. Avoid entraining air in the product.

**CORPORATE HEADQUARTERS: P.O. BOX 11740, FORT WORTH, TEXAS 76110**

## Product Data Sheet



## GREEN STANDARDS INFORMATION

- ENERGY STAR® Qualified Product for Reflectivity which can significantly lower roof surface temperatures.
- Listed with Cool Roof Rating Council for solar reflectance and thermal emittance - helps reduce energy cooling cost.
- SRI Index = 107 exceeding criteria for LEED Credit: SS Credit 7.2: Heat Island Effect: Roof 1 Point, Option 1.
- Significantly lowers roof surface temperatures, which can help reduce energy cooling bills.

## WEATHER PRECAUTIONS:

### Temperature:

Air and Surface: 40°F Minimum/120°F Maximum

Material: 50°F Minimum/100°F Maximum

**Relative Humidity:** Can be applied at relative humidity up to 90%

**DO NOT APPLY WHEN THE TEMPERATURE CAN FALL TO WITHIN 5°F OF THE DEW POINT WITHIN 6 HOURS.**

This product cures by evaporation. It is very important that this product is not used when weather conditions are below 40°F or when there is a chance that the temperature could fall below 40°F within a 48 hour

**TOLL-FREE: 866-PUSH-PLY (866) 787-4759**  
**LOCAL: (817) 413-0103 • FAX: (817) 413-8221**  
[WWW.USPLY.COM](http://WWW.USPLY.COM)

period after application. Do not apply this product if rain or dew is likely to occur before drying of product. Late afternoon application is not recommended if high humidity conditions exist, which could cause high moisture concentration of the surface overnight.

**Application:** Apply with a roller or suitable spray equipment at the rate of 1.25 to 1.5 gallons per 100 sq. ft. Spray application is preferred, as it will yield a smoother surface that will be less likely to pick up dirt.

**AIRLESS SPRAY-VOLUME:**

**Output:** 1.5 gal. per min.

**Fluid Working Pressure:** 2,000 psi

**Spray Gun:** Graco – Contractor rated for pressure

**Fan/Tip:** 06/.027 - 06/.035 reversible

**Extension:** 12" – 36" gun extension recommended

**Coverage:** Coverage rate is approximately 1.25 – 1.5 gallons per 100 square feet in a single coat and it is intended to cover the compatible acrylic base coat. More may be necessary on more porous surfaces. Note: Increased rates of application will prolong the drying time. Do not allow foot traffic until complete dry.

**Storage/Handling:** Observe normal safeguards for storing and handling of this product prior to and during application. **This is a water based product - Do not allow coating to freeze.** Do not thin. Coating can be applied within an ambient temperature range of 40°F (4.4°C) to 100°F (37.8°C). Store material at 70°F (21.1°C) for at least 24 hours prior to application if the ambient temperature is 50°F (10° C) or below.

**Caution:** Observe normal safeguards for storing and handling of this product prior to and during application. Avoid prolonged contact with skin or inhalation of fumes. Do not take internally. If swallowed, do not induce vomiting. Contact medical personnel immediately. Keep out of the reach of children. Read MSDS prior to use. For Professional use only.

**Clean Up:** Keep containers covered when not in use. Clean equipment and spills with soap and water. Dried coating can be cleaned with USP® PreKote Clean-N-Prime. Clean hands with waterless hand cleaner.

**Ponding Water:** U.S. Ply, Inc.'s Warranties do not cover damage due to ponding water. Coatings should not be applied on roofs collecting ponding water which stands longer than 48 hours. The National Roofing Contractors Association considers ponding water on any roof unacceptable. (See the NRCA Roofing and Waterproofing Manual).

**California Proposition 65 Warning:** This product may contain chemicals known to the State of California to cause cancer, birth defects and/or reproductive harm.

All values given are approximate and are subject to change without notice. There is no implied or express warranty given through these values or statements, nor are there any assertions that the product purchased has been individually tested to conform to these standards. Testing is performed on a random basis by "in-house" and independent "third party" evaluation for the purpose of classification and or approval. Acceptance, purchase and selection of these products are the sole responsibility of the buyer or buyer's representative. We assume no responsibility for coverage, performance or injuries resulting from use. Liability, if any, is limited to replacement of the product. NO OTHER WARRANTY OR GUARANTEE OF ANY KIND IS MADE BY U.S. PLY, INC. EXPRESSED OR IMPLIED; STATUTORY, BY OPERATION OF LAW, OR OTHERWISE, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.