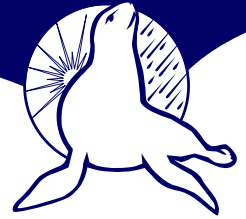


Energy Seal Coatings

Cool Roof Solutions

Acu-Thane

Water-based polyurethane



DESCRIPTION

Acu-Thane is a single component aliphatic acrylic polyurethane coating designed to offer excellent adhesion, long term durability and abrasion resistance. It will stop and prevent roof leaks. It is eco-friendly, low VOC, and is ideal for application over flat roofs, due to its resistance to ponding water.

USES

Acu-Thane is excellent for use on various roofing substrates such as concrete, metal, built-up, modified, cap sheet, single ply, to name a few. It is used as a reflective waterproof coating to help reduce energy consumption and stop and prevent roof leaks.

FEATURES & BENEFITS

- ✓ **Solar Reflectance: 0.85**
- ✓ Can be tinted to virtually any color
- ✓ Excellent thermal protection
- ✓ High solar reflectance
- ✓ Low VOC
- ✓ Resists pedestrian foot traffic
- ✓ Excellent resistance to abrasion
- ✓ Not adversely affected by ponding/ standing water

PREPARATION

All surfaces to be coated must be clean, dry and free of any oil, grease or dirt. High pressure water washing is recommended. Any existing coating must be checked for good adhesion. Before application, any loosely adhered coating must be removed and bare surfaces must be prepared, cleaned and checked for compatibility.

APPLICATION

Acu-Thane is ready to use. Thinning is not required or recommended.

Mix thoroughly prior to application. Do not apply to wet surface.

- Spray: Airless sprayer, ½ gpm capacity with a #517 tip
- Brush: Good quality synthetic bristle brush
- Roller: 3/16" nap roller with a Blue 22 mil Wooster Roller Gauge

Prepare surface by applying a coat of Acu-Epoxy as a primer coat. Then apply a base coat of Acu-Thane at a rate 1 gallons per square (100 sqft). Once base coat has thoroughly dried, apply a finish coat at a rate of 1 gallons per square (100 sqft). Finish coat is to be applied perpendicular to the base coat.

ACU-THANE

Acu-Thane

Technical Data

Physical Property	Test	Value
Appearance:	Internal	Viscous liquid
Type:	Internal	100% elastomeric coating
Color:	Internal	Bright white
Solar Reflectance:	D-1549	0.85
Viscosity, CPS:	D-2196	≥12,000
pH:	E-70	9.0 ± 0.5
Solids by volume, %:	D-2697	50.0 ± 2.0
Solids by weight, %:	D-1644	60.0 ± 2.0
Density, gr/ ml	D-1475	1.27 ± 2.0
Elongation:	D-2370	500
Tensile strength, lb/in ²	D-2370	1500
Water permeability, perms	E-96	20
Dry time for water resistance:	D-1640	1 hour *
Total dry time:	D-1640	4 – 8 hours *
Low Temperature Flexibility:	D-522	-15F° (-26C°) Passed
Accelerated weathering:	G-151 & G-154	No deleterious effects after 5,000 hours
Shore hardness, A:	D-2240	56
Packaging:	5-gallon buckets, 50-gallon drums	

*estimated time may increase dependent on temperature and humidity

STORAGE: Store container in dry protected area between 40°F (5°C) and 113°F (45°C). Do not stack more than three buckets high. Shelf life is 1 year from the date of manufacture.

CAUTION: Do not apply within one hours of sunset, rain, fog or freezing temperatures. All coatings must be completely dry before exposing to water or foot traffic. Keep all containers covered when not in use. Dispose of all containers in accordance with state and local environmental regulations. Keep away from children. If ingested, DO NOT induce vomiting. Call Physician immediately.

Our technical data and suggestions are based on information from laboratory and field testing which we believe to be reliable and correct. However, the accuracy and completeness of said tests are not guaranteed and not to be construed as a warranty, either expressed or implied. Since the use of the material is beyond manufacturer's control, buyer assumes all risk whatsoever as to their use or results obtained. We guarantee our products conform to Advanced Coating Systems, Inc. quality control. Advanced Coating Systems, Inc. warrants only the standard quality of material. Advanced Coating Systems, Inc. sole responsibility shall be to replace that portion of our product, which proved to be defective. Installer is responsible to test adhesion and product compatibility with substrate of all Energy Seal Coatings products prior to application.