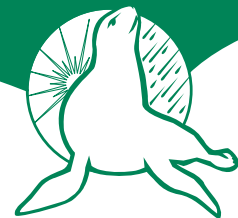


Energy Seal Coatings

Liquid Applied, Fully Adhered Roof and Wall Solutions

Call 484-769-6467 **Acu-Shield**
Elastomeric Roof Coating



DESCRIPTION

Acu-Shield is a 100% acrylic elastomeric coating for all types of roofs. It contains rust inhibitors, which makes it ideal for application over metal. Contains mildewcides.



USES

Asphalt, concrete, stucco, wood, tile or any rust-free metal surface (galvanized metal, tin, cast iron or steel).

FEATURES & BENEFITS

- ✓ Reduces daily expansion and contraction (thermal cycling).
- ✓ Contains strong rust inhibitive pigments.
- ✓ Reflects 90% of the infra-red heat and harmful UV rays of the sun.
- ✓ Excellent reflective properties which helps to reduce cooling costs. Prevents premature aging and leaks.
- ✓ Contains a strong mildewcide / fungicide.
- ✓ Excellent adhesion to various substrates.
- ✓ Superior resistance to dirt pick-up, helps stay white longer & maintains reflectivity.
- ✓ Easy to use, easy clean up, non-toxic and VOC compliant water based coating.
- ✓ Solar Reflectance: 0.88 /0.84 after 3 years (*from www.energystar.gov*).

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-Shield is ready to use. Thinning is not required or recommended.

Spray: Airless sprayer. 3000 p.s.i., 2 g.p.m. capacity with a #631 tip.

Brush: Good quality synthetic bristle brush.

Roller: Long nap roller.

V.O.C.
<100 g./l

energy-seal.com

Manufactured by Advanced Coating Systems, Inc.

Seal It. Conserve It. Protect It.

800-587-3758

ACU-SHIELD

Acu-Shield

Technical Data

Property	ASTM	Result
Color:		White; custom colors available.
Viscosity:	D 562	115 – 120 KU @ 25°C / 77°F
Density:	D 1475	11.75 ± .1 lb/gal
PH:		> 8.0 ± .5
Percent Solids by Volume:	D 2697	48% ± 2 %
Percent Solids by Weight:	D 1644	63% ± 2%
Flash Point:		Same as water.
Tensile Strength at Max Stress:	D 2370	100 lb/in ² @ 25°C / 77°F
% Elongation at Break:	D 2370	400% @ 25°C / 77°F
Flexibility:	D 522	Pass (-5°C)*
Permeability	D 1653	5
Fungi Resistance:	G 21	Zero Growth
Coverage:		2 gallons per 100 sq.ft. yields 20 dry mils. 3 gallons per 100 sq.ft. yields 30 dry mils. For corrugated metal, add 20% for pitches & ribs.
Recommended Coverage:		Two coats. (20 mils.)
Min. Surface Application Temp.:		7.2°C / 45°F. Do not allow to freeze.
Drying Time:		3 hours @ 25°C / 77°F, 50% relative humidity; to sustain foot traffic.
Packaging:		5 gallon buckets, 50 gallon drums.
		* <i>After 1000 hours accelerated weathering.</i>

When installed properly, this product can help reduce energy costs. Actual savings may vary based on geographic location and individual building characteristics. The ENERGY STAR logo is a trademark of the US Environmental Protection Agency. As a Charter Member, Advanced Coating Systems has determined that this product meets the ENERGY STAR guidelines for energy efficiency.

This coating conforms to all Air Quality Management Districts and Air Pollution Control Districts requirements for Volatile Organic Content in California, U.S.A.

CAUTION: Do not apply within two 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.