

Energy Seal Coatings

Cool Roof Solutions

Acu-WeatherShield

Acrylic Elastomeric Weatherproofing



DESCRIPTION

Acu-WeatherShield is a water-based liquid applied elastomeric vapor permeable membrane. It is an acrylic-based coating that dries to form a “rubber-like” protective membrane that will resist air leakage and water penetration when applied to a variety of exterior sheathing including; OSB, plywood, glass mat gypsum, concrete and concrete masonry units.

USES

Use Acu-WeatherShield as a standalone water-resistive protective coating for exterior sheathing or as a component of a building envelope air barrier system. This system provides a seamless continuous membrane that protects against air leakage, water penetration and lowers the risk of mold and mildew damage.

FEATURES & BENEFITS

- ✓ Works together with Acu-AirSeal to provide a complete air barrier system
- ✓ Low odor, low VOC
- ✓ Single component easily applied
- ✓ Color coded for ease of system application
- ✓ Excellent bond strength
- ✓ Primers not needed
- ✓ Contributes to building energy efficiency objectives
- ✓ Water-based, non-flammable
- ✓ Non-technical application reduces application costs
- ✓ Protects exposed sheathing up to 6 months

PREPARATION

All surfaces to be coated must be clean, dry and free of any oil, grease, dust or dirt. Surface should be sound, free of voids, gaps, breaks or spalled areas. New concrete should be cured for at least 7 days. Cracks, gaps, voids exceeding 1/8 inch are to be sealed with Energy Seal Coatings Acu-AirShield.

APPLICATION

Acu-WeatherShield is ready to use. Thinning is not required or recommended. Mix thoroughly prior to application. Do not apply to wet surface.

Spray: Airless sprayer, 2 gpm capacity with a #631 tip

Brush: Good quality synthetic bristle brush

Roller: 3/4 in. to 1 1/4 in. long nap roller designed for applying latex paints

Approximate coverage:

Average of 100 square feet per gallon. Application rate should be measured periodically using a wet mil gauge. Coating thickness should be 20 wet mils, 10 dry mils. Two coats may be required. Contractor is responsible for making sure coating thickness is as per manufacturers requirements.

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Technical Data

Physical Property	Test	Value
Appearance:	Internal	Viscous liquid
Type:	Internal	100% elastomeric coating
Color:	Internal	Mint green
Tear resistance	D-624	80 lb/in ²
Viscosity, CPS:	D-562	115-120 KU @ 25°C / 77°F
pH:	E-70	8.0 + 0.5
Solids by volume, %:	D-2697	54.0 + 2.0
Solids by weight, %:	D-1644	64.0 + 2.0
Density	D-1475	11.40 + .1 lb/ gal
% Elongation at break:	D-2370	145% @ 22°C / 73°F
Tensile strength at max stress	D-2370	200 lb/in ² @ 22°C / 73°F
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	(-5°C) Passed
Fungi resistance:	G-21	Zero growth
Flash point:		Same as water
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.