

Product Description

Ac510 is a reflective, lightweight elastomeric acrylic roof coating that cures to a seamless, flexible protective layer over existing roof systems. Its rubber-like elasticity accommodates wide temperature swings and building movement, and its white reflective finish produces a bright, durable surface.

Recommended Uses

Ac510 bonds to metal, asphalt, concrete, and modified bitumen, with a primer used where the substrate requires one, such as rusted or poorly bonded surfaces. Its elasticity moves with the roof to resist cracking and leaks. Ac510 is low-VOC, compatible with topcoats, and can be applied by brush, roller, or spray.

Product Data

Physical Property	Typical Value
Weight per Gallon	8.3 lbs/gallon
Solids by Weight	44%, Nominal
Solids by Volume	55%, Nominal
Color	White
Elongation	210%, Nominal
Tensile Strength	200 psi, Nominal
Cure Time	24 to 48 hours at 77°F
Packaging	55 gallon drum & 5 gallon pail
Application Temperature	40°F to 120°F
Service Temperature	15°F to 180°F
VOC	50 g/l

**Typical physical properties +/- 5%.*

Packaging/Shipping

CONTAINER SIZE	SHIPPING CLASS
55 Gallon drum	Class 55
5 Gallon pail	Class 55

Surface Preparation

General: Before applying Ac510, ensure the substrate is dry and free of dust, dirt, oil, loose granules, peeling coatings, and other contaminants that may interfere with adhesion. Power washing and priming may be required to achieve proper adhesion.

Shelf Life

Store in the original unopened container for up to one year from the manufacture date, between 50°F and 100°F.

Color Options

White

Application

Mechanically mix Ac510 before use. Store between 50°F and 100°F, out of direct sunlight and protected from freezing. Do not heat or thin the material. Reinforce cracked areas with polyester fabric. The surface must be clean and free of loose or flaky rust and paint. Pre-treat rusted areas with Pr335.

Apply by roller or suitable spray equipment at 1.25 gallons per 100 square feet. A second coat of Ac510 is required to achieve a consistent, pinhole-free finish. Applied at 1.25 gallons per 100 square feet per coat, the two-coat system builds approximately 22 dry mils, or about 11 dry mils per coat. Drying time to the first topcoat at 70°F is 4 to 8 hours.

Equipment Recommendations

Brush

Use a brush with synthetic filaments.

Roller

Use a 1¼-inch nap roller.

Spray Equipment

All components must be rated for the required pump pressures.

- High-pressure airless paint pump rated at a min. of 4,000 psi
- Continuous output of at least 3 gallons per minute
- 5:1 transfer pump to help prevent cavitation
- Reversible, self-cleaning spray tip
- 0.030-inch tip orifice
- Spray fan angle of 40° to 50°
- High-pressure spray gun rated to 4,000 psi
- Hose rated for at least twice the maximum pump pressure
- BUNA-N-jacketed hose
- Minimum ¾-inch hose diameter, with the largest diameter positioned at the pump

Coverage Rate

Coverage rates can differ depending on project specifications. Refer to the applicable SESCO Guide Specification, or contact SESCO for the coverage rate for your project.

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Safe Practices

This product is for professional installation only. Before use, read and understand all available information on its risks, proper use, and handling. Sources include but are not limited to SDS and product labels.

Additional resources are available at sescoroof.com, or by contacting SESCO directly.

Application Properties

Yield (1 gal to 100 sq ft)	9 dry mils
Dry Time (70°F)	4 - 8 hours
Recoat Window	4 - 8 hours
Complete Cure	24 - 48 hours

Clean Up

Clean tools and equipment with soap and water while the coating is still wet. Cured coating must be removed mechanically. Dispose of any unwanted product and rinse water in accordance with local regulations. Reseal partially used containers tightly to prevent skinning. If a skin forms, remove it and continue using the remaining product.

Environmental Conditions

Apply Ac510 in ambient temperatures of 40°F to 120°F. If the surface is hot, apply a light water spray to cool it before coating. As a water-based material, Ac510 must be protected from freezing during storage, transport, and application. Store between 50°F and 100°F, out of direct sunlight and protected from freezing.

Limitations

Ac510 is not suitable for ponding-water conditions. Areas that retain water for more than 48 hours will experience severely diminished service life and potential adhesion failure.