

Product Description

Ac550 is a 100% acrylic elastomeric roof coating formulated for application over metal, modified bitumen, asphalt built-up roofing (BUR), PVC, EPDM, concrete roofs, and masonry walls. Its high degree of rubber-like elasticity allows the coating to accommodate wide swings in temperature and building movement. Ac550 is a topcoat and requires a compatible base coating suited to the roof system being coated. It is a water-based material and must be protected from freezing.

Recommended Uses

Ac550 is recommended as a reflective, elastomeric topcoat for new construction and for the restoration of existing commercial roofs. It performs over metal, modified bitumen, asphalt built-up roofing (BUR), single-ply membranes including PVC and EPDM, and over concrete roofs and masonry walls, when applied over a compatible base coating. For full restoration, Ac550 may be combined with polyester fabric reinforcement to completely encapsulate the roof surface.

Product Data

Physical Property	Typical Value
Weight Per Gallon	11.8 lbs
Solids by Weight	60%, Nominal
Solids by Volume	53%, Nominal
Tear Resistance	82 Lbs. Force/in.
Hardness, Shore A	70
Tensile Strength	300 PSI, Nominal
Elongation	250%, Nominal
Cure Time @77°F & 50% humidity	24 to 48 hours
Application Temperature	40°F to 120°F
Service Temperature (Cured Film)	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 Ac550, 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.

Color Options

White

Application

Mechanically mix Ac550 before use. Replace any loose, broken, or missing fasteners, and seal all seams, fasteners, curbs, and penetrations with Ac595.

Apply Ac550 by roller or spray at 1.25 to 1.5 gallons per 100 square feet per coat, a minimum of two coats, over a compatible base coat to achieve a consistent, pinhole-free surface. Drying time to the first topcoat at 70°F is 2 to 4 hours.

For complete restoration, combine Ac550 with polyester fabric reinforcement. Embed 40-inch widths in 2 gallons per 100 square feet of base coat, then apply two more coats of Ac550 at 1.5 gallons per 100 square feet, 3 gallons total, once the first has dried. Lap the fabric a minimum of 4 inches.

Equipment Recommendations

Brush

Use a brush with synthetic filaments.

Roller

Use a 1½-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

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.

Coverage Rate

Apply Ac550 at 1.25 to 1.5 gallons per 100 square feet per coat, with a minimum of two coats, for a total of approximately 2.5 to 3 gallons per 100 square feet. Refer to the applicable SESCO Guide Specification for project-specific requirements.

Clean Up

Clean tools and equipment with soap and water while the coating is still wet.

Environmental Conditions

Apply Ac550 only when air temperatures are above 40°F and rising, with relative humidity below 90% and no threat of rain for 48 hours. Surface temperatures should be under 100°F to avoid premature curing. If the surface is hot, apply a light water spray to cool it before coating. Ac550 is water-based and must be protected from freezing.

Limitations

Ac550 is a topcoat and must be applied over a compatible base coat. It is not intended for use without one. Do not apply Ac550 to areas that retain standing water for more than 48 hours, where service life will be severely diminished and adhesion failure can be expected. As a water-based product, Ac550 must be protected from freezing at all times.