

ACRYTITE A510



PRODUCT DESCRIPTION

AcryTite A510 is a reflective, lightweight elastomeric acrylic coating that forms a seamless, flexible protective layer over existing roof systems. Its high degree of rubber-like elasticity allows it to accommodate wide temperature swings and building movement, and its white reflective finish creates a bright, durable surface.

RECOMMENDED USES

AcryTite A510 bonds to metal, asphalt, concrete, and modified bitumen, with a primer used where the substrate requires it — for example, on rusted or poorly bonded surfaces. Its high elasticity moves with the roof to resist cracking and leaks. Low-VOC and topcoat-compatible, it applies 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%.

ENVIRONMENTAL CONDITIONS

Ambient 40–120°F; if the surface is hot, apply a light water spray to cool it before coating. As a water-based material, **AcryTite A510** 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. **AcryTite A510** 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.

SURFACE PREPARATION

General: The substrate must be dry and free of dust, dirt, oil, loose granules, peeling coatings, and other contaminants before application. Power washing and priming may be required to ensure proper adhesion.

PACKAGING/SHIPPING

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

SHELF LIFE

One year from the date of manufacture.

COLOR OPTIONS

White

APPLICATION

Mechanically mix before use. Store between 50°F and 100°F, out of direct sunlight, and protected from freezing. Do not heat or thin. 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 PrimeRite P335.

Apply by roller or suitable spray equipment at 1.25 gallons per 100 sq. ft. A second coat of A510 is required to achieve a consistent, pinhole-free finish. Applied at 1.25 gallons per 100 sq. ft. per coat, the two-coat system builds approximately 22 dry mils (about 11 dry mils per coat). Drying time to first topcoat at 70°F is 4 to 8 hours.

EQUIPMENT



Brush
Synthetic filament



Roller
1¼" nap roller



Spray — use components rated for pump pressures:

Minimum 4000 PSI high-pressure airless paint pump
3 gallons or more per minute (continuous) output
5:1 transfer pump to prevent cavitation

Spray tip:

Reversible, self-cleaning type
Orifice size .030
Fan angle 40° to 50°
Spray gun: high-pressure, 4000 PSI
Hose rated to 2x maximum pump pressure
Hose should be BUNA-N jacketed
Hose lengths (largest diameter at pump): ¾" minimum

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 sprayips.com, or by contacting IPS 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. Properly 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.

COVERAGE RATE

Coverage rates can differ depending on project specifications. Contact IPS for more information on the coverage rate for your project.

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