

AcryTite A550



PRODUCT DESCRIPTION

AcryTite A550 is a 100% Acrylic top coat. This one-component roofing coating product is designed for commercial roofing systems. **AcryTite A550** is an ideal roofing solution thanks to its excellent reflectivity and ability to resist weathering, aging, oxidation, wind-driven sand, rain, snow, ozone, UV radiation, and the extreme temperatures typically found on roofs. Its tight surface finish also enhances protection against mold, algae, and mildew.

RECOMMENDED USES

AcryTite A550 is designed as a protective coating for most roof membranes. Unmatched adhesion to unprimed TPO, PVC, and EPDM, along with excellent performance over primed cap sheet and mod bit membranes.

PRODUCT DATA

Physical Property	Typical Value	Test Method
Viscosity (high shear)	5,000 cps	ASTM D 2196
Solids by Weight	98%	ASTM D 1644*
Solids by Volume	97%	ASTM D 2697*
Weight Per Gallon	11.4 lbs	ASTM D 1147
Dry Film Per Gallon	15.5 mils	SSPC-PA 2
Tensile Strength	478 psi	ASTM D 2370
Elongation	235%	ASTM D 2370
Tear Strength	29 lbf/in	ASTM D 624
Permeance	8.7 perms	ASTM E 96
Reflectivity - Initial	.84	ASTM C 1549
Reflectivity - Aged	.71	ASTM D 1549
Emissivity	.91	ASTM C 1371
SRI	106	LEED
VOC	< 25 g/l	EPA 24

*Typical physical properties +/- 5%.

PACKAGING/SHIPPING

CONTAINER SIZE

55 Gallon drum
5 Gallon pail

SHIPPING CLASS

Class 55
Class 55

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.

SHELF LIFE

One year from the date of manufacture.

COLOR OPTIONS

White and Light Gray.

APPLICATION

Mechanically mix before use. Store below 90°F. Apply only at temperatures above 40°F and rising, with humidity under 90% and no rain expected for 48 hours. Surface temperature must be below 100°F — mist with water to cool if needed. Replace any loose, broken, or missing fasteners and seal all seams and fasteners with an IPS-approved sealant or mastic.

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 the appropriate PrimeRite primer. Apply by roller or spray at 1.25 gal / 100 sq. ft. A second coat is required to achieve a consistent, pinhole-free film approximately 20 mils thick. Drying time to first topcoat at 70°F: 2–4 hours. Not suitable for ponding water. Areas retaining water more than 48 hours will experience diminished service life and potential adhesion failure.

EQUIPMENT

MINIMUM REQUIREMENTS:



Brush

Synthetic filament



Roller

1¼" nap roller



Spray

Use components rated for pump pressures

- Minimum 6500 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 of .030
 - Fan angle of 40° to 50°
- Spray gun: High pressure 7000 PSI
- Hose rated to 2x maximum pump pressure
- Hose should be BUNA-N jacketed
- Hose lengths: (Largest diameter at pump) 3/4 min

Do not use a hose that has been used for Acrylics. The liner will absorb moisture and start the silicone cure process.

COVERAGE RATE

Apply at a maximum rate of 1.5 gallons per square per coat.

To the best of our knowledge, all technical data herein is accurate as of the date of issuance and subject to change without notice. Users must verify correctness before specifying or ordering. We guarantee IPS products conform to established quality control standards. We assume no responsibility for coverage, performance, or injuries resulting from use. Liability, if any, is limited to product replacement. NO OTHER WARRANTY OR GUARANTEE OF ANY KIND IS MADE, EXPRESSED OR IMPLIED; STATUTORY, BY OPERATION OF LAW, OR OTHERWISE, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

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)	14 dry mils
Dry Time (100°F)	2 hours @ 90% Humidity
Dry Time (40°F)	8 hours @ 20% Humidity
Recoat Window	>8 hours
Complete Cure	48 hours

CLEAN UP

Clean spray equipment containing uncured material by flushing with VM&P, Naphtha or mineral spirits. **AcryTite A550** cures by reacting with moisture. Do not leave in spray guns, pump equipment, and hoses for prolonged periods unless equipment contains moisture lock hoses, fittings and seals. Without these, material will cure on hose walls and at unsealed connections possibly causing an increase in operating pressure and material flow restriction.

ENVIRONMENTAL CONDITIONS

Product must not be applied when the ambient temperature is below 0°F. Application is not recommended if rain or dew is likely to occur before product dries.

LIMITATIONS

Surface must be clean and dry. Do not apply over wet substrates or when inclement weather is imminent. IPS is not recommended for cryogenic tanks, cold storage roofing without a vapor barrier, or directly over modified bitumen, asphalt, or coal tar built-up roofing without a sealer. IPS carries Class "A" Non-Combustible and Class "B" Combustible ratings under UL 790 over spray foam and single-ply roofing. Refer to the UL directory for details.