

# SILTITE S750



## PRODUCT DESCRIPTION

**SilTite S750** is a single-component, high-solids silicone roof coating that forms a durable, breathable, watertight barrier with excellent resistance to natural weathering. **SilTite S750** can be applied over spray polyurethane foam (SPF), EPDM, aged PVC, aged acrylic coatings, concrete, asphalt BUR, granulated modified bitumen, and metal roofs.

## RECOMMENDED USES

**SilTite S750** is designed as a protective coating for most roof membranes. Strong 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	97%	ASTM D 1644
Solids by Volume	95%	ASTM D 2697
Weight Per Gallon	10.5 lbs	ASTM D 1475
Dry Film Per Gallon	15.2 mils	SSPC-PA 2
Tensile Strength	200 psi	ASTM D 2370
Elongation	250%	ASTM D 2370
Tear Strength	>20 lbf/in	ASTM D 624
Permeance	5.7 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	< 50 g/l	EPA 24
Flash Point	140°F	ASTM D 56

\*Typical physical properties +/- 5%.

## PACKAGING/SHIPPING

CONTAINER SIZE	SHIPPING CLASS
55 Gallon drum	Class 55
5 Gallon pail	Class 55
1 Gallon pail	Class 85

## SHELF LIFE

Store in the original unopened container for up to 24 months from the manufacture date, between 40-95°F.

## 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.

## COLOR OPTIONS

White, Gray, Tan, and Custom Colors

## APPLICATION

Apply by brush, roller, or spray to a clean, dry surface. See Equipment Recommendations at the end of this sheet for details. Coat polyurethane foam within 24 hours of application.

Apply uniform coat of **SilTite S750** at a rate of 1.5 gallon per 100 sq. ft. A second coat may be necessary, apply the second coat in a multi-directional fashion within 48 hours of application of the first coat for best results Each coat must be even and pinhole-free.

Allow each coat to fully dry and cure before applying the next. If the cured surface shows any contamination, wash it and let it dry completely before recoating.

## EQUIPMENT

### MINIMUM REQUIREMENTS:



**Brush**  
Synthetic filament



**Roller**  
1¼" nap roller



**Spray**  
Use components rated for pump pressures

- Minimum 6500 PSI high-pressure airless sprayer
- 2.5 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 uniform coat of **SilTite S750** at a rate of 1.5 gal per 100 sqft, coverage rates may vary, refer to the IPS Guide Specification for your project.

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](http://sprayips.com), or by contacting IPS directly.

## APPLICATION PROPERTIES

Yield (1 gal to 100 sq ft)	15.2 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 Naphtha VM&P, or mineral spirits. **SilTite S750** 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 40°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. **SilTite S750** is not recommended for cryogenic tanks, cold storage roofing without a vapor barrier, or directly over modified bitumen, or asphalt without a primer.