

# SILTITE S710



## PRODUCT DESCRIPTION

**SilTite S710** is a single-component silicone roof coating engineered to deliver long-term protection against the elements. Once cured, it forms a durable, breathable, watertight membrane that stands up to weathering, ponded water, and UV exposure without chalking or degrading over time. **SilTite S710** is built on a foundation of high-performance inorganic silicone resins, reinforced with select fillers, reflective pigments, and silane adhesion promoters — delivering a coating system designed for the realities of commercial roofing.

## RECOMMENDED USES

**SilTite S710** is designed as a protective coating for most commercial roof membranes. Strong adhesion to SPF, EPDM, aged PVC, aged acrylic, concrete, and metal, along with excellent performance over primed BUR, modified bitumen, and TPO substrates.

## PRODUCT DATA

| Physical Property      | Typical Value | Test Method |
|------------------------|---------------|-------------|
| Viscosity (high shear) | 30,000 cps    | ASTM D 2196 |
| Solids by Weight       | 81%           | ASTM D 1644 |
| Solids by Volume       | 71%           | ASTM D 2697 |
| Weight Per Gallon      | 10.2 lbs      | ASTM D 1147 |
| Dry Film Per Gallon    | 11 mils       | SSPC-PA 2   |
| Tensile Strength       | 300 psi       | ASTM D 2370 |
| Elongation             | 550%          | ASTM D 2370 |
| Tear Strength          | 29 lbf/in     | ASTM D 624  |
| Flash Point            | 103°F         | ASTM E 56   |
| Reflectivity - Initial | .83           | ASTM C 1549 |
| Reflectivity - Aged    | .72           | ASTM C 1549 |
| Emissivity             | .89           | ASTM C 1371 |
| SRI                    | 106           | LEED        |
| VOC                    | < 220 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

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

## COLOR OPTIONS

White

## APPLICATION

Mix well before use. 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 coatings in 2 or 3 separate passes, with each coat applied at right angles to the previous one. 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 S710** 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) | 11 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 S710** 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 S710** is not recommended for cryogenic tanks, cold storage roofing without a vapor barrier, or directly over modified bitumen, or asphalt without a primer.