



White Silicone Roof Coating

When industrial and commercial building owners and facility managers want their roofs to do more than just shed water, SWEPCO White Silicone Roof Coating offers a number of outstanding and unique cost saving benefits.

The installation of the SWEPCO White Silicone Topcoat Roof System featuring White Silicone Roof Coating creates a brilliant white, highly reflective, watertight and energy efficient roofing solution for most commercial and industrial roof types.

Rather than remove and replace the roof, why not save it with a proven roof maintenance system at a fraction of the cost. Keeping the building watertight is a given, but White Silicone Roof Coating will also reflect more than 84% of the sun's harmful radiation to significantly reduce roof temperatures by as much as 50°F (28°C). This prolongs the service life of any roof and cuts energy costs dramatically.

White Silicone Roof Coating is as beautiful as it is functional. It will enhance the appearance and value of any commercial building. And White Silicone Roof Coating will stay white since it will not soften and peel under ponding water. Application is quick, easy and requires no disruption of work routines inside the building.



KEY FEATURES

- A single component, high solids, moisture cure silicone white roof coating
- Recommended for repair and restoration of most types of industrial and commercial roofs
- Creates a durable, brilliant white watertight and weatherproof roof system
- 100% Silicone . . . 98% Solids by Weight . . . zero solvents and no water content
- Low water absorption . . . will not peel under standing water
- Will adhere to most roof substrates without a primer
- Excellent expansion and contraction properties . . . 235% Elongation and 95% Recovery
- Unaffected by harsh UV rays and temperature extremes
- Highly energy efficient . . . 84% reflectivity
- Lowers roof surface temperatures by as much as 50°F (28°C)
- VOC compliant with <25 grams/liter
- Easily applied by brush, roller or spray equipment
- The last roof coating you will ever need

PURPOSE & DESCRIPTION

White Silicone Roof Coating is a one component, high solids (98%) moisture cure silicone (100%) roof coating. When applied in a minimum of two coats, creates a durable, watertight and weather resistant roof system. With no solvents and zero water content, this product will not freeze. Low water absorption will keep product from peeling under standing water conditions. White Silicone Roof Coating will adhere to most roof substrates without a primer. SWEPCO White Silicone Roof Coating can be applied over spray applied polyurethane foam (SPUF), EPDM, PVC, TPO, aged acrylic coatings, concrete, asphalt BUR, smooth or granular surfaced modified bitumen and metal roofs. Asphalt BUR, granulated and smooth modified bitumen, and aluminum coated roofs will require SWEPCO Silicone Roof Primer for increased adhesion as well as asphalt bleed-through resistance.

PRODUCT SPECIFICATIONS

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| ■ Viscosity | ASTM D 2196 | 30,000 cps |
| ■ Solids by Weight | ASTM D 1644 | 98% |
| ■ Solids by Volume | ASTM D 2697 | 97% |
| ■ Weight per Gallon | ASTM D 1147 | 10 lbs. |
| ■ Tensile Strength | ASTM D 2370 | 478 psi |
| ■ Elongation | ASTM D 2370 | 235% |
| ■ Tear Strength | ASTM D 624 | 29 lbf/in |
| ■ Reflectivity - Initial | ASTM C 1549 | .84 |
| ■ Reflectivity - Aged | ASTM D 1549 | Pending |
| ■ Emissivity | ASTM C 1371 | .91 |
| ■ SRI | LEED | 106 |
| ■ Flash Point | ASTM D 56 | NA |
| ■ VOC | EPA 24 | 86 g/l |

SURFACE PREPARATION

Apply to clean and dry roof surfaces in temperatures of 40°F (5°C) or more. Apply SWEPCO Silicone Roof Primer if required or needed.

All seams, punctures, penetrations, protrusions, edge and wall flashings, vents, skylights, and rooftop mechanical equipment flashings should be sealed by brush or trowel with mixture of Mini/Micro Fibers with White Silicone Roof Coating

(1 pound (0.45 kilograms) per 5 gallon (19 liter) pail to insure 100% waterproofing of these critical roof flashing areas.

APPLICATION

White Silicone Roof Coating is applied straight from the container with standard roofing brushes, rollers or airless spray equipment. No thinning is necessary. Mechanically mix White Silicone Roof Coating before and during use. Avoid entraining air when mixing. Apply product in two coats. Allow first coat to cure, typically 2 to 4 hours, then apply second coat at same coverage rate. For best results, apply White Silicone Roof Coating in a multi-directional fashion.

COVERAGE RATES

Coverage rate varies with texture of existing roof surface. Typical usage rates is from 1 gallon per 100 square feet (0.41 liter/m²) per coat to 1.25 gallons per 100 square feet (0.51 liters m²). Apply minimum of two coats.

CURING

Drying time depends upon temperature, wind conditions and humidity. White Silicone Roof Coating cures through absorption of moisture from both substrate and the air. Cure time will be faster in humid conditions and on substrates that hold moisture such as concrete. Open and partially full containers will skin over quickly. If this occurs, remove skin and continue to use the remaining product. Do not apply if rain is expected within 2 hours. Allow first coat to dry thoroughly before proceeding with the second coat.

PACKAGING

Available in 5-gallon (19 liter) pails.

STORAGE

Two year shelf life when stored unopened at temperature less than 105°F (40°C). After opening, containers should be tightly resealed to preserve remaining product.

CLEAN-UP

Clean-up with 100% mineral spirits.

Southwestern Petroleum Corporation