

<p>• TRUSTED QUALITY SINCE 1921 •</p> <p>RUST-OLEUM®</p>	<p>TECHNICAL DATA</p> <p>ROC-70</p> <p>980 SILICONE ROOF COATING</p>
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DESCRIPTION AND USES

Rust-Oleum® 980 Silicone Roof Coating is a high solids, 100% silicone based roof coating that creates a durable, breathable, watertight and weatherproof barrier that resists natural weathering and reflects heat from the sun. 980 Silicone Roof Coating resists ultraviolet radiation and adapts to temperature extremes to provide long-term weathering protection and energy savings. 980 Silicone Roof Coating can be applied over spray applied polyurethane foam, aged single-ply roofs including PVC, EPDM, TPO, Hypalon®, aged acrylic coatings, concrete, asphalt built-up roofs, granulated modified bitumen, metal, RV and trailer roofs, and over existing silicone roof coats. 980 Silicone Roof Coating contains no solvents.



PRODUCT FEATURES

- 100% silicone, 98% solids
- 84% reflectivity
- Resists ponding water
- Resists rain after 2 hours

PRODUCTS

WHITE	TAN	GRAY	DESCRIPTION
308663	345474	345475	4.75 Gallon
308666	-----	-----	0.9 Gallons
344069	350727	350725	55 Gallon Drum ¹
344063	350728	350726	275 Gallon Tote ¹

¹Made-to-Order only. Contact Rust-Oleum Customer Service for details.

COMPANION PRODUCTS

SKU	DESCRIPTION
345476	125 Acrylic Roof Primer- 4.75 Gallons
266041	ROC-Prime 100 (Gray)- 5 Gallons
278807	105 Multi-Surface Adhesion Primer- 5 Gallons
338772	Silicone Roof Sealant- 10.1 oz.
338726	Silicone Roof Sealant- 1 Gallon
339670	Silicone Roof Sealant- 3.3 Gallons

SKU	ROOF PATCH FABRIC
345646	6"x300'
345647	12"x300'
345648	40"x324'
345649	4"x300'

PRODUCT APPLICATION

SURFACE PREPARATION

All surfaces must be clean and free from dirt, grease, oil, mold, algae, loose granules, loose paint, rust, excess chalk and other foreign matter which could prevent proper adhesion.

PRODUCT APPLICATION (cont.)

SURFACE PREPARATION (cont.)

Use a high pressure wash and stiff bristle brush or broom scrub the surface. An appropriate non-filming cleaner should be used to remove all grease or oily deposits. EPDM roofs may require aggressive power washing and may need to be cleaned twice to remove all surface contamination. Rinse thoroughly and allow to dry.

Seams, fasteners, roof penetrations and any roof defects should be repaired and sealed prior to applying the topcoat. When making repairs on a roof that will be topcoated with Rust-Oleum 980 Silicone Roof coating use Rust-Oleum Silicone Roof Sealant.

Test a small area for adhesion and bleed through before full surface application. To maximize adhesion on problem substrates, including un-weathered single-ply or to prevent bleed through from asphalt & bitumen surfaces, prime with Rust-Oleum 125 Acrylic Roof Primer*.

METAL: Bare galvanized metal does not require a primer if there is no rust present. Surface must be clean and dry. Steel surfaces must be primed, as does rusty or corroded metal. If the metal panel is not Kynar or previously coated, the surface must be cleaned of all rust as thoroughly as possible by wire brush, power tools or power washed. The surface must be primed with Rust-Oleum ROC-Prime 100*.

EPDM, PVC, PIB, TPO AND HYPALON: Must be primed with Rust-Oleum 105 Multi-Surface Adhesion Primer*.

* See primer labels and technical data sheet for correct surface preparation and application procedures.

APPLICATION

Do not thin or alter product. Apply only when air, material, and surface temperatures are between 32-120°F (0-49°C). For cold weather application (below 55°F), store unopened container indoors for 24 hours prior to application. Do not apply if rain is expected in less than 2 hours. Mechanically mix prior to application and during use. Avoid entraining air when mixing. Apply with a brush, ¾" nap roller or spray equipment. For one coat application, apply at a minimum rate of 1.5 gallons per 100 square feet (25 mils wet). Coating must be applied uniformly and without pinholes. The dry film thickness (DFT) will be approximately 24 mils. A second coat may be required on rough or uneven surfaces. For a two coat application, apply a base coat at a minimum rate of 1 gallon per 100 square feet (16 mils wet). Apply a second coat at the same rate. Allow 2-4 hours before applying a second coat. Apply perpendicular to the first coat. The dry film thickness (DFT) will be 15 mils per coat.

NOTE: Reinforcement fabric must be used for all repairs or alligatored surfaces.

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RUST-OLEUM®**980 SILICONE ROOF COATING****PRODUCT APPLICATION (cont.)****SPRAY EQUIPMENT RECOMMENDATION**

Minimum spray equipment requirements are a 7,000 psi unit delivering at a capacity of 1-2 gallons per minute with a 0.027-0.40 tip (0.027-0.031 preferred). Use 1" lines on the sprayer and ¾" whip to the gun.

Pumps: Graco® King 45:1, Graco Bulldog 30:1 or gas powered equivalents. Graco GH733, HydraMax 350 or GMax 7900 or other manufacturers' equivalents.

Hose/Pressure: 50'-300' length (depending on spray rig pressure). When using hoses longer than 100', use the next larger hose ID every 50'. Every 50' of hose will reduce the spray pressure of the rig by 10% at the gun tip. Good results are generally obtained at 2,000-3,000 psi at the spray tip.

Gun: Graco Contractor Gun, Graco Contractor FTx gun, Graco Silver Plus or equivalent. (Tip extrusions or pole guns can be used).

Tip Type: Heavy Duty RAC Switchtips (GHD-XXX) Gray. Tip sizes are detailed below.

Fan Width (inches)	0.39	0.43	0.47	0.51	0.55	0.59
10"-12"	539	543	547	555	547	559
12"-14"	639	643	647	651	647	659
14"-16"	739	743	747	751	747	
16"-18"	839	843	847	851	847	
Flow Rate	1.60 gpm	1.98 gpm	2.37 gpm	2.79 gpm	2.37 gpm	3.74 gpm

CURING

This product cures through absorption of moisture from both the substrate and the air. Cure time will be faster in humid conditions and on substrates that hold moisture such as concrete. Keep containers closed as much as possible during use. Open and partially full containers will skin over quickly. If this occurs, remove the skins and continue using the remaining product. Avoid walking on 980 Silicone Roof Coating except for occasional maintenance. Use caution when walking on a wet roof.

COVERAGE

One gallon will cover 65 square feet at 25 wet mils in a single coat application. Apply at 100 square feet per gallon at 16 wet mils when used in a two coat application.

DRY & RECOAT TIMES

Dry and recoat times are based on 70°F and 50% relative humidity. Dries in 2 to 4 hours. Return to service after 24 hours. Environmental or site specific conditions may require variations in cure times.

CLEAN-UP

Application tools can be cleaned immediately with mineral spirits. Follow equipment manufacturer's directions to clean spray equipment. Properly dispose of all soiled rags and containers.

PERFORMANCE CHARACTERISTICS**ELONGATION**

METHOD: ASTM D2370
RESULT: 235%

EMISSION

METHOD: ASTM C1371
RESULT: 91

TENSILE STRENGTH

METHOD: ASTM D2370
RESULT: 478 PSI

TEAR STRENGTH

METHOD: ASTM D624
RESULT: 29 lbf/in

SOLAR REFLECTANCE

METHOD: ASTM C1549
RESULTS: 0.84 Initial – 0.71 Aged 3 Years

SOLAR REFLECTANCE INDEX (SRI)

METHOD: LEED
RESULTS: 106

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PHYSICAL PROPERTIES

		980 SILICONE ROOF COATING
Resin Type		100%Silicone
Pigment Type		Titanium Dioxide
Solvents		None
Weight	Per Gallon	10.0 lbs.
	Per Liter	1.46 kg
Solids	By Weight	98.0%
	By Volume	97.0%
Volatile Organic Compounds		<25 g/l
Recommended Dry Film Thickness (DFT) Per Coat		24.0 mils (600μ) for single coat application 15 mils 375μ) for multi-coat application
Wet Film to Achieve DFT (Unthinned Material)		25.0 mils (625μ) for single coat application 16.0 mils (400μ) for multi-coat application
Practical Coverage at Recommended DFT (assumes 15% material loss)		65 sq.ft./gal. for single coat application 100 sq.ft./gal. for multi-coat application
Dry Times at 70-80°F (21-27°C) and 50% Relative Humidity	Touch	2 hours
	Recoat	2-4 hours
	Return to Service	24 hours
Shelf Life		2 years
Flash Point		212°F (100°C)
Safety Information		For additional information, see SDS

Performance Guarantee: Should this product fail due to a defect, unless expressly agreed otherwise by Rust-Oleum in writing, purchaser's sole and exclusive remedy is that Rust-Oleum Corporation will, at its option, either refund to the purchaser the amount paid for the product, or furnish at its expense sufficient product to restore a protective condition to the affected areas. Proof of purchase must be provided. At its discretion, Rust-Oleum may require inspection of the affected areas by a Rust-Oleum representative. Contact Rust-Oleum Product Support at 844-888-0482. Refer to product number and batch code. Please visit rustoleum.com/roofing for further information regarding additional warranties that may be available for your roofing system.

NO OTHER WARRANTY OR GUARANTEE OF ANY KIND IS MADE BY RUST-OLEUM, EXPRESS OR IMPLIED, STATUTORY, BY OPERATION OF LAW, OR OTHERWISE, INCLUDING BUT NOT LIMITED TO MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

Additional extended Material and Labor warranties may be available. Contact your Rust-Oleum Representative for more information.

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Rust-Oleum Corporation
11 Hawthorn Parkway
Vernon Hills, Illinois 60061

Phone: 844-888-0482
www.rustoleum.com/roofing

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