

SwiftSeal R-SRC | Silicone Roof Coating

Product Description

SwiftSeal R-SRC is a one-component, moisture curing silicone rubber roof coating designed for use on existing smooth surface BUR, granulated cap sheet, well-adhered acrylic coating, concrete, metal, sprayed-in-place polyurethane foam and various single-ply membrane roofing.

The coating provides long-term protection because it resists weathering, aging, oxidation, wind-driven sand, rain and snow, the effects of ozone, ultraviolet radiation and the temperature extremes typically found on roofs. With its high solids content and absence of hydrocarbon solvents, SwiftSeal R-SRC can be applied in excess of 40 mils in a single coat without blistering, while maintaining maximum adhesion.

SwiftSeal R-SRC is available in two standard colours, including the following. Custom colours are available upon request at an additional charge.

- White
- Light Grey

Composition and Materials

SwiftSeal R-SRC is a dispersion of silicone rubber. This coating is a one-part, ready-to-use material that can be applied easily to a dry, frost-free surface, and cures at normal temperature and humidity in 1 to 4 hours by reacting with moisture in the air. For applications with lower than normal temperature and humidity levels, expect the cure time to be longer.

Packaging Size

SwiftSeal R-SRC is available in 55 gallon and 5 gallon containers.

Storage

Recommended shelf life of 24 months from date of manufacture when stored in unopened containers and between 4-27°C (40-80°F). Refer to product packaging.

Application

Surfaces to be coated with SwiftSeal R-SRC must be properly prepared. All surfaces must be clean, dry and free of loose particles. The coating can be applied with standard airless spray equipment or applied by medium nap roller. For small touch-up work, a brush may be used.

Supplied Properties

Attribute	Test	Results
Appearance	-	White or Light Grey
Solids Content	ASTM D2369	90% (±3%)
Specific Gravity	-	1.24 @ 25°C (77°F)
Tack-Free Time	-	1-2 hours
Cure Time	-	1-4 hours
Volatile Organic Compounds (VOCs)	-	< 50g/L
Flash Point	-	> 140°F

Cured Properties

Attribute	Test	Results
Durometer Hardness (Shore A)	ASTM D2240	White or Light Grey
Tensile Strength	ASTM D412	250 psi
Elongation	ASTM D412	235%
Permeability*	ASTM E96	10.7 perms
Tensile (Set at 100% elongation)	-	Nil
Temperature Stability Range	-	-35°C to 100°C
Accelerated Weathering (QUV, 5000 hours)	ASTM G154	No degradation
Flame Spread	ASTM E108	Class A
Initial Solar Reflectivity	ASTM C1549	89 (white)
Initial Thermal Emissivity	ASTM C1371	90 (white)
SRI Value	-	113 (white)

* 20 mils at 38°C (100°F) and 90 percent relative humidity.

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Spray Equipment

Due to the high viscosity of the material, a high-pressure airless sprayer capable of producing a minimum of 3500 psi at the spray gun head should be used. The pump should have a minimum of 3 gallons per minute output rate. Always use components rated for pump pressure. Hoses should be BUNA-N jacketed for prevention of moisture contamination. Hoses should have a minimum I.D. of 3/4" and an adequate working pressure. The spray gun should be high pressure (5000 psi) with a reverse-a-clean spray tip, having a minimum orifice of 0.030 and a 50° fan tip.

Maintenance

The life a the roof may be extended by regularly scheduled maintenance. A roof should typically be inspected at least twice a year. The roof immediately needs to be inspected following severe weather and extraordinary maintenance on roof-mounted equipment.

Clean Up

Uncured silicone coating can be cleaned and equipment can be flushed with VM&P Naphtha or Mineral Spirits.

Health and Safety Information

Appropriate literature has been assembled which provides information concerning the health and safety precautions that must be observed when handling this product. Before working with this product, you must read Safety Data Sheets and become familiar with the available information on its risks, proper use, and handling. This cannot be overemphasized. Information is available in several forms, e.g., safety data sheets and product labels. For further information contact your Elastochem Representative.

DISCLAIMER: This data is based on information believed to be reliable and is offered solely for evaluation. Elastochem Specialty Chemicals Inc.'s products are sold with the understanding that clients do their own testing to determine the suitability of these products for their particular application. Since the use of this product is beyond the control of the Seller, the Buyer assumes all risks of use or handling, whether in accordance with directions or not, as the Seller makes no warranty, expressed or implied, concerning this product.



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