



SRC-100™

Silicone Roof Coating

Product Description

Enco® SRC-100™ is a solvent-free, single component, high solids 100% silicone roof coating. It prevents and stops leaks, providing a permanent waterproofing coating that extends the life of concrete roofs and other substrates. Enco® SRC-100™ provides a monolithic, powerful ponding water resistant elastic membrane that strongly adheres to the substrate, does not crack or peel, and withstands total movement of concrete joints and hairline cracks. Its bright white finish lowers inside temperature of the structure, by reflecting sunrays and eliminating heat received, thus lowering electric energy consumption.

Advantages

- 100% silicone coating ("Liquid Rubber Technology")
- High solids formulation
- Strong chemical adhesion
- Ultimate UV resistance
- Flex Technology
- Ponding resistance
- Fast rain resistance
- Limited Lifetime Warranty

Product Uses

Proven properties of adhesion exceeding standard ASTM C-6694 specifications. Suitable for:

- Metal
- Masonry
- Concrete
- Single-ply Membranes
- Sprayed-in-Place Urethane Foam

Packaging Sizes

Available in 5 gal pail.

Product Characteristics & Properties

Coverage Approximately 250-320 sq ft per 5 gallon pail @ 23 mils. thickness
Depending on surface texture, porosity and application method.

Shelf Life 12 months (unopened)

Storage Temperature 35 - 75°F

Disposal Consult local and federal agencies for details.

Physical Property	Typical Value	ASTM Test Method
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Tensile Strength	307 psi @ 73°F ± 20 484 psi @ 0 °F ± 20	(ASTM D-2370)
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Elongation (break)	205% @ 73°F ± 20 306% @ 0°F ± 20	(ASTM D-2370)
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Tear Resistance	(Die C), (lb f/in) 26 @ 73°F	(ASTM D-624)
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Reflectivity (White)	.70 aged 3 years	(ASTM C-1549)
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Emissivity (White)	.90 aged 3 years	(ASTM C-1371)
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SRI Value:	110 Initial	
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Permeance US Perms	9.3 ±	(ASTM E-96) Procedure B
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Tensile, set @ 100% Elongation	Nil.	
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Product Characteristics & Properties

Physical Property	Typical Value	ASTM Test Method
Temperature Stability Range	-80°F - 350°F (-37°C - 177°C)	
Low Temperature Flexibility (Pass-Fail)	Pass – Tested 180° around " mandrel @ -15°F (-26.1°C)	(ASTM D-522) Method B
Water Absorption	0.1 weight % after 2 weeks @ 75°F (24°C)	(ASTM D-471)
Weathering/UV Resistance	No degradation after 5,000 hours	(ASTM D-6694)
Tack Free Time:	1 hour	
Temperature & Humidity	Dependent	
VOC:	<50 Grams/Liter	EPA Method 24
Durometer Hardness	50± 5 points	(ASTM D-2240) Shore A
Solids Content byWeight	96% ± 2	(ASTM D-1644)
Solids Content by Volume	96% ± 2	(ASTM D-2697)
Maximum Continuous Service Temperature	185°F (85°C)	
Flash Point	>290°F	(ASTM D-92)
Cure Time	Minimum 2 hrs Maximum 8 hrs	@100°F & 90% Humidity @ 40°F & 20% Humidity

Surface Preparation

1. Clean - Pressure wash roof with a mild detergent and rinse thoroughly. Remove all dirt, grease and loose particles such as gravel, previous coatings, etc., and kill and remove any mildew or fungus with a bleach solution.
2. Repair - Repair concrete cracks and holes.
3. Level - Correct indentations, uneven and damping areas using a self leveling underlayment mortar.
4. Mix – Mix well before use, using a 3 inch blade, ¾ horse-power or larger power mixer.

IMPORTANT: Roofs must have proper drainage and no damping areas.

Caution

Close the container tightly after using and KEEP AWAY FROM THE REACH OF CHILDREN. Please refer to the Safety Data Sheet (SDS) for safety data.

Product Application

Apply a first coat using a roller, brush or high pressure airless paint pump. Apply only at temperatures above 50°F. Do not apply if roof surface temperature is above 95°F. Do not apply after 4 PM. Do not apply if rain is in forecast within 4 hours after the application. Allow at least 24 hours of drying time and apply a second coat in perpendicular direction. DO NOT THIN OR DILUTE FROM FULL STRENGTH.

Limitation of Liability

Our liability regarding this product is limited to its replacement or its refund value should it not comply with our specifications and does not include any application costs.

Contacts

For additional information please contact Enco® Manufacturing Corp.