



TECHNICAL DATA SHEET

RV SHIELD™ SILICONE ELASTOMERIC ROOF COATING

Premium siliconized acrylic
elastomeric roof coating

PRODUCT DESCRIPTION

RV Shield™ Siliconized Elastomeric Roof Coating is a premium, siliconized acrylic roof coating used to coat/finish RV and trailer roofs. Siliconized Roof Coating provides a monolithic finish that prevents moisture penetration, reflects heat, and resists dirt pickup.

BASIC USES

RV Shield Silicone Elastomeric Roof Coating is used primarily to restore/extend the service lives of existing roof membranes that are aged and/or in marginal (though functional) condition. This coating weatherproofs and waterproofs a variety of surfaces including common RV and trailer roof surfaces such as TPO, PVC, EPDM, and Fiberglass.

FEATURES AND BENEFITS

- Premium Siliconized Elastomeric Formulation – Much slower moisture absorption rate than common elastomeric coatings
- Highly Reflective, White Finish – Significantly reduces surface temperature making inside temperatures easier to maintain
- Excellent Adhesion – Acrylic resin grabs tightly to substrates
- Versatile – Can be used over a variety of surfaces
- Highly Flexible – Resists cracking and honors common movement
- Brush/Roller Application – No special tools needed
- Short dry time – Get your rig back on the road quickly

PACKAGING

- 1 GAL PAIL
- 3 GAL PAIL

COLORS

White

GRADE

Brush, Roller, Airless Spray

STORAGE LIFE

12 months shelf life in unopened containers when properly stored.

DO NOT FREEZE

Recommended storage is indoors in a ventilated, dry area removed from heat, open flame, ignition sources, and direct sunlight. Storage temperatures should range from 60-70°F (15-21°C) and must not drop below 32°F (0°C) or exceed 110°F (43°C).

Shelf life could be affected if the product is not stored properly.

LIMITATIONS

- Not recommended for new, unweathered roof membranes
 - Should not be used over silicone coatings or sealants
 - Not for use under continuous immersion
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APPLICATION

Surface Preparation: Surface must be clean, dry, in sound condition, and free of dirt, debris, and contaminants. Use RV Shield Roof Cleaner to ensure proper surface cleanliness is achieved. Roof membranes should be inspected for damage and wear. RV Shield Sealants, Restoration/Reinforcement Tape, and Repair materials should be used to remedy any deficiencies prior to coating. Additionally, existing sealants should be inspected and removed/restored with RV Shield SSL Lap Sealant prior to coating. RV Shield Siliconized Elastomeric can be applied once roof is completely dry and sealant and/or repair materials have adequately cured.

An adhesion test patch is recommend to ensure adequate bond of the coating to the application surface. Apply coating in two coats at a rate of 16 wet mils each (100 square feet per gallon). The coating may be applied by brush, roller, or airless sprayer. Most commonly, detail work will be brushed and the primary surface will be rolled.

Mixing:

Gallons/Pails: Use a heavy duty corded power drill with Jiffy Mixer mixing blade. Mix until product is consistent in appearance and viscosity. Do not thin.

COVERAGE RATES

Coverage rates are minimum recommended rates. The application surface can affect the necessary coverage rate.

TPO, PVC, EPDM, and Fiberglass Roof Surfaces

Base Coat: 1 gal per 100 square feet to achieve 16 mils wet film thickness minimum.

Top Coat: 1 gal per 100 square feet to achieve 16 mils wet film thickness minimum.

Additional Coats – Additional coats may be applied once initial coat has cured to achieve additional film thickness.

TEMPERATURE RECOMMENDATIONS

Min Ambient: 50°F (10°C)

Max Ambient: 110°F (43.3°C)

Min Surface: 50°F (10°C)

Max Surface: 130°F (54.4°C)

Minimum temperatures must be rising following applications. Do not apply when:

- Dew point is within 5°F (2.77°C) of ambient temperatures
 - Precipitation, fog, or dew is imminent prior to cure of the product
 - Freezing temperatures are expected prior to cure of the product
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CURE TIMES

Skin Time: 70°F (21.1°C) / 50% RH - 6 hours

Recoat Time: Minimum 24 hours

SPRAY EQUIPMENT RECOMMENDATIONS

General Guidelines

Component		Pressure	Tip Size	Flow Rate	Filters	Hose Type	WHIP
One-Component		1,500 psi	.035 - .045	1.6 - 2.6 gpm	Remove	High Pressure	¼" High Pre

- Must use heavy duty or industrial grade spray tips
- Properly clean and maintain spray equipment before, during and after use
- Equipment should be properly grounded during use

CLEAN UP

Soap & Water

MAINTENANCE

Maintain a regular cleaning schedule to remove dirt/debris/contaminants from the restored roof. Inspect roof twice per year and following weather events to identify/remedy developing issues.

PRECAUTIONS

Users must read container labels and Safety Data Sheets for health and safety precautions prior to use.

TECHNICAL SUPPORT

Your local Tremco Roofing sales representative, working with the Technical Service Staff, can help analyze conditions and needs to develop recommendations for special applications.

TYPICAL PHYSICAL PROPERTIES

Property	Test Method	Typical Results
FINISH COAT		
Tensile Strength	ASTM D6083	301 psi
Elongation	ASTM D6083	224%
Tear Strength	ASTM D6083	99 lbf/in
Water Swell	ASTM D6083	9%
Low Temperature Flexibility, Post Accelerated Weathering	ASTM D6083	Pass
Reflectance	ASTM C1549	Initial - 0.84
Solids Content - Volume	ASTM D6083	56%
Solids Content - Weight	ASTM D6083	70%
VOC (White)	N/A	31 g/L

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