

# Solargard® 6083 Finish Coat

## Premium acrylic elastomeric roof coating

### FEATURES

Excellent Weathering Performance

Highly Reflective (White)

Low Odor

Versatile

Colors

### BENEFITS

- Delivers excellent weathering and dirt pick-up resistance

- Lowers rooftop temperatures, resulting in less stress and potential energy savings

- Perfect for odor-sensitive accounts

- Can be applied to many roofing substrates

- Can be custom tinted to a wide range of colors

### DESCRIPTION

Solargard 6083 is an acrylic elastomeric roof coating formulated to meet and/or exceed the standards as established in ASTM D 6083 - Standard Specification for Liquid Applied Acrylic Coating Used in Roofing.

### BASIC USES

Solargard 6083 waterproofs and weatherproofs a variety of roofing substrates including asphalt-based smooth BUR, metal, modified bitumen, and weathered single ply membranes.

### PACKAGING

5 gal (18.9 L) pail, 53 gal (200.6 L) lined drums

### COLOR

White and 26 Standard Colors (See Tremco Liquid Applied Color Chart).

*\*Custom tint options are available. Contact your Tremco Roofing sales representative for information.*

### GRADE

Brush, Roller, Spray

### STORAGE

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).

On the job site, materials should remain on the pallet until use and be stored in a shaded, ventilated area. Materials should be covered with a light-colored, reflective tarp for protection against the elements. Allow for adequate air flow inside the pallets.

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

### APPLICATION

**Surface Preparation:** Surface must be clean, dry, in sound condition, and free of dirt, debris, and contaminants. Rust must be abraded until it no longer exhibits flaking or chalking.

Wet insulation must be identified and replaced. Deficient areas of existing system must be repaired. All repairs should be made with like materials matching the existing components and allowed to properly cure prior to application of liquid-applied products.

If the surface has a pre-existing coating or sealant, please contact Tremco Roofing for adhesion/compatibility testing and surface preparation recommendations.

### Mixing:

**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.

**Drums:** Use industrial drum mixing equipment to mechanically mix each container. Mix until product is consistent in appearance and viscosity. Do not thin.

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## APPLICATION CONTINUED

**Priming:** Primers may be needed on specific substrates/surfaces prior to application. See the Roof Substrates/Surfaces Application Chart below for recommended primers. Review the recommended primer product data sheet for specific product and application information.

## ROOF SUBSTRATES/ SURFACES APPLICATION CHART

Product Type	Product Name	BUR - Smooth	BUR - Gravel	Concrete	MB - Smooth	MB - Granule	Metal	Metal - Fluoropolymer	Single Ply	SPUF	Walls
Primer	See Chart	SP Primer 1/3 gal/SQ(5 wet mils)	N/A	N/A	SP Primer 1/3 gal/SQ(5 wet mils)	SP Primer 1/3 gal/SQ(5 wet mils)	Solargard Rust Primer WB 1/2 gal/SQ(8 wet mils)	Solargard Fluoro-Prime 1/2 gal/SQ(8 wet mils)	SP Primer 1/4 gal/SQ(4 wet mils)	N/A	N/A
Detailing Product	Solargard 6083 Base Coat	3-Course: 30-65 In ft/gal	N/A	N/A	3-Course: 30-65 In ft/gal	3-Course: 30-65 In ft/gal	Solargard Seam Sealer	Solargard Seam Sealer	3-Course: 30-65 In ft/gal	N/A	N/A
	Solargard 6083 Finish Coat						Solargard Acrylic Sealer	Solargard Acrylic Sealer			
	Solargard Acrylic Sealer						Back-Brush: 60-100 In ft/gal	Back-Brush: 60-100 In ft/gal			
	Solargard Seam Sealer						Fasteners: 200-250/gal	Fasteners: 200-250/gal			
Reinforcement	Permafab	Approx. 300 In ft/roll	N/A	N/A	Approx. 300 In ft/roll	Approx. 300 In ft/roll	Approx. 300 In ft/roll	Approx. 300 In ft/roll	N/A	N/A	
Rapid-Set Reinforcing Fabric (for use with TremLastic S)											
Base Coat	Solargard 6083 Base Coat Solargard 6083 Finish Coat	1 1/2 gals/SQ(24 wet mils)	N/A	N/A	1 1/2 gals/SQ(24 wet mils)	1 1/2 gals/SQ(24 wet mils)	1 gals/SQ(16 wet mils)	1 gals/SQ(16 wet mils)	1 gals/SQ(16 wet mils)	N/A	N/A
Top Coat	Solargard 6083 Finish Coat	1 1/2 gals/SQ(24 wet mils)	N/A	N/A	1 1/2 gals/SQ(24 wet mils)	1 1/2 gals/SQ(24 wet mils)	1 gals/SQ(16 wet mils)	1 gals/SQ(16 wet mils)	1 gals/SQ(16 wet mils)	N/A	N/A

## COVERAGE RATES

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

Additional surface area must be accounted for on applications over corrugated or standing seam metal substrates. Coverage may require an additional 15-25% depending on profile.

### Optional Non-Skid Coat w/ Embedded and Backrolled Aggregate:

- Additional Layer of Top Coat: Apply at 1 - 1 1/2 gal/SQ (16 - 24 wet mils)
- Approved Aggregates:
  - Silica Sand (20-40 mesh) - Coverage: 20-30 lbs./100 sq. ft.
  - No. 11 Roofing Granule - Coverage: 10-15 lbs./100 sq. ft.

**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

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

**Recoat Time:** Minimum 24 hours

### General Guidelines

Component	Pressure	Tip Size	Flow Rate	Filters	Hose Type	WHIP	Product Temp
One-Component	1,500 psi	.035 - .045	1.6 - 2.6 gpm	Remove	High Pressure	1/4" High Pressure	Ambient

- 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

Soap & Water

## TEMPERATURE RECOMMENDATIONS

## CURE TIMES

## SPRAY EQUIPMENT RECOMMENDATIONS

## CLEAN UP



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## LIMITATIONS

- Not recommended for use over the following:

**Roof Decks:** Cementitious wood fiber, metal, poured-in-place gypsum, structural lightweight or lightweight insulating concrete, and wood decks (includes plywood, tongue and groove, etc.).

**Products/Systems:** Asphalt-based or coal tar gravel surfaced BUR systems, clay tile, expanded or extruded polystyrene insulation, shingles, silicone-based products, and tar-based products.

- Not for use under continuous immersion

## PHYSICAL PROPERTIES

PROPERTY	TYPICAL VALUE	TEST METHOD
<b>FINISH COAT</b>		
Tensile Strength	271 psi	ASTM D6083
Elongation	132%	ASTM D6083
Tear Strength	94 lbf/in	ASTM D6083
Water Swell	14%	ASTM D6083
Permeance	45 ng	ASTM D6083
Fungi Resistance	Pass	ASTM D6083
Low Temperature Flexibility, Post Accelerated Weathering	Pass	ASTM D6083
Reflectance	Initial - 0.85, 3 Yr Aged - 0.81	ASTM C1549
Emittance	Initial - 0.88, 3 Yr Aged - 0.90	ASTM C1371
SRI	Initial - 107, 3 Yr Aged - 101	
Solids Content - Volume	73%	ASTM D6083
Solids Content - Weight	69%	ASTM D6083
VOC (White)	28 g/L	

## CODES & APPROVALS

**Current Approvals:** Florida Building Code



	Initial	Weathered
<b>Solar Reflectance</b>	<b>0.85</b>	<b>0.81</b>
<b>Thermal Emittance</b>	<b>0.88</b>	<b>0.90</b>
Rated Product ID Number	0612-0012	
Licensed Seller ID Number	0612	
Classification	Production Line	

Cool Roof Rating Council ratings are determined for a fixed set of conditions, and may not be appropriate for determining seasonal energy performance. The actual effect of solar reflectance and thermal emittance on building performance may vary.

Manufacturer of product stipulates that these ratings were determined in accordance with the applicable Cool Roof Rating Council procedures.

## MAINTENANCE

Your local Tremco Roofing sales representative can provide you with effective maintenance procedures which may vary, depending upon specific conditions. Periodic inspections, early repairs and preventive maintenance are all part of a sound roof program.

## 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.



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