

Solargard® 6083 Base Coat

Premium acrylic elastomeric roof coating

FEATURES

Excellent Weathering Performance

Highly Reflective (White)

Low Odor

Versatile

Color Availability

BENEFITS

• Solargard 6083 System with finish coat 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

• Wide range of standard colors, as well as, custom tint capabilities for finish coat

DESCRIPTION

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

BASIC USES

Solargard 6083 Base Coat is the first coat installed in a Solargard 6083 system, which is a system that 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

Off White

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.

Existing wet roofing components 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.

Allow new concrete to cure for a minimum of 28 days and until moisture, RH, and compressive strength values reach an appropriate level. Concrete surfaces must be shot-blasted to a an ICRI 3-6 surface profile.

Metal surfaces and coated metal including fluoropolymer/PVDF coatings such as Kynar® (Registered trademark of Arkema Inc.) and Hylar® (Registered trademark of Solvay Solexis Inc.) must be ground to clean bright metal free of rust and primed prior to application.

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APPLICATION CONTINUED

ROOF SUBSTRATES/ SURFACES APPLICATION CHART

COVERAGE RATES

If the surface has a pre-existing coating, paint, or sealant, please contact Tremco 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.

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

Installation: Install product using one of the approved application methods evenly at the recommended coverage rate. Use wet mil gauges to monitor coverage rates throughout application.

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			SP Primer	SP Primer	Solargard Rust Primer WB	Solargard Fluoro-Prime	SP Primer		
		1/3 gal / SQ (5 wet mils)	N/A	N/A	1/3 gal / SQ (5 wet mils)	1/3 gal / SQ (5 wet mils)	1/2 gal / SQ (8 wet mils)	1/2 gal / SQ (8 wet mils)	1/4 gal / SQ (4 wet mils)	N/A	N/A
Detailing Product	Solargard 6083 Base Coat						Solargard Seam Sealer	Solargard Seam Sealer			
	Solargard 6083 Finish Coat						Solargard Acrylic Sealer	Solargard Acrylic Sealer			
	Solargard Acrylic Sealer	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	3-Course: 30-65 In ft / gal	3-Course: 30-65 In ft / gal	3-Course: 30-65 In ft / gal	N/A	N/A
	Solargard Seam Sealer						Back-Brush: 60-100 In ft / gal	Back-Brush: 60-100 In ft / gal			
	TremLastic S						Fasteners: 200-250 / gal	Fasteners: 200-250 / gal			
Reinforcement	Permafab										
	Rapid-Set Reinforcing Fabric (for use with TremLastic S)	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	Approx. 300 In ft / roll	N/A	N/A
Base Coat	Solargard 6083 Base 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
	Solargard 6083 Finish Coat										
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

Note: Coverage rates are listed at 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.

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 application
- Do not apply when dew point is within 5°F (2.7°C) of ambient temperatures
- Do not apply when precipitation, fog or dew is imminent prior to cure of the product
- Do not apply when temperatures could fall below 32°F (0°C) within 24 hours of application.

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/WEATHER 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.

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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