

# Solargard® Acrythane

## *Water-based acrylic urethane protective roof paint*

### FEATURES

Excellent color-retention

Low Odor & Low VOC

Multiple applications

### BENEFITS

- UV stable, color-rich coating with semi-gloss finish
- Perfect for odor-sensitive accounts
- Direct to aluminum, galvanized or steel roofs
- Color coat over Solargard 6083 and Solargard Hy-Build

### DESCRIPTION

Solargard Acrythane is a single component, water-based, acrylic urethane roof paint formulated to provide industrial performance with low VOC, and no odor. Solargard Acrythane is a protective roof paint that can be directly applied to specified substrates.

### BASIC USES

Solargard Acrythane is designed for direct-to-metal application. It can be used for exterior applications on aluminum, galvanized steel, and steel, in addition to Tremco's acrylic coatings line which includes Solargard Hy-Build, ICE Coating, and Solargard 6083.

### STORAGE LIFE

12 months shelf life in unopened containers when properly stored. Shelf life could be affected if the product is not stored properly.  
DO NOT FREEZE

Recommended storage conditions are 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.

### APPLICATION

Preparation: All surfaces are to be free of dirt, grease, oil, loose paint, loose rust, excess chalk, and other foreign matter, which could prevent proper adhesion. This is best accomplished using a high-pressure power wash of at least 2,000 psi. A surface cleaner shall be used to remove all grease or oily deposits. Smooth, hard, or glossy finishes should be scarified by sanding to create a surface profile. Allow surface to completely dry.

If metal panel finish is Kynar 500 or the roof/wall was previously coated, please contact the Tremco Roofing Technical Department for surface preparation recommendations.

Application: Refer to application specifications for additional information.

Previously Coated: Solargard Acrythane can be applied to surfaces in sound and good condition, which were previously coated with ICE Coating, Solargard Hy-Build, or Solargard 6083.

Metal: Scrape, wire brush, power wash, or power tool clean to remove loose rust, scale, and deteriorated coatings. Abrasive blast to a minimum Commercial Grade for more severe exposures. Prime all rust using Solargard Rust Primer WB.

Two coats of primer are required on abrasive blasted surfaces, and in some applications on welds.

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## APPLICATION CONTINUED

## EQUIPMENT RECOMMENDATIONS

If metal panel finish is Kynar 500, please contact the Technical Department for surface preparation recommendations.

Apply two coats of Solargard Acrythane. Spray application is recommended.

For additional information, refer to Solargard Acrythane Specifications.

Brush: Spray application is recommended. A good quality synthetic bristle brush can be used.

Air-Atomized Spray:

| Method   | Fluid Tip | Fluid Delivery | Atomizing Pressure |
|----------|-----------|----------------|--------------------|
| Pressure | .055-.070 | 12-16 oz/min   | 40-60 psi          |
| Siphon   | .055-.070 | 12-16 oz/min   | 40-60 psi          |
| HVLP     | .043-.070 | 12-16 oz/min   | 10 psi at tip      |

\*Air cap for highest pressure

Airless Spray:

| Fluid Pressure | Fluid Tip   | Filler Mesh |
|----------------|-------------|-------------|
| 2000-3000 psi  | 0.013-0.017 | 100         |

## CLEAN UP

Soap and water immediately after use.

## CURE TIME

30 minutes to touch. 4 hours to recoat.

## COVERAGE

Porosity, texture of surface, and specified dry-film thickness will dictate coverage.

Coverage rates are as follows:

1 gal./200 - 250 sq. ft., 6 - 8 wet mils per coat Do not exceed 8 wet mils in any one coat.

Two coats required. See Solargard Acrythane specifications for additional information.

## LIMITATIONS

- Application temperature shall be above 50°F.
- Protect from freezing.
- Not intended for use in areas subject to vehicular traffic or where water continuously ponds.
- Do not apply when rain is imminent.
- Do not apply direct to Kynar metal finishes.

## PHYSICAL PROPERTIES

| PROPERTY                             | TYPICAL VALUE                      | TEST METHOD                   |
|--------------------------------------|------------------------------------|-------------------------------|
| Pencil Hardness                      | 2B                                 | ASTM D 3363                   |
| Conical Flexibility                  | 180° on 1/2" Mandrel               | ASTM D 522                    |
| Cyclic Prohesion                     | 2 cycles, 672 hours                | ASTM D 5894                   |
| Blistering                           | 10 per                             | ASTM D 714                    |
| Corrosion                            | 10 per                             | ASTM D 1654                   |
| Rusting                              | 10 per                             | ASTM D 610                    |
| Impact Resistance                    | 00 lbs.                            | ASTM D 2794                   |
| Gloss @ 60°                          | 40% - 50%                          | ASTM D 523                    |
| Accelerated Weathering               | 91% gloss retention                | ASTM D 4587                   |
| Crosshatch Adhesion                  | 5A                                 | ASTM D 3359-87                |
| Salt Spray Resistance                | >800 hours                         | ASTM D B117, CRS, 30 day cure |
| Hiding Power                         | Excellent, 1850 sq. ft./9 wet mils |                               |
| Weight per Gallon                    | 10.9 ± 0.2 lbs.                    |                               |
| Solids by Weight                     | 55% ± 1%                           |                               |
| Solids by Volume                     | 40% ± 1%                           |                               |
| Viscosity                            | 85-90 KUs                          |                               |
| Recommended Dry Film Thickness       | 2.4 - 3.2 mils per coat            |                               |
| Wet Film to Achieve DFT              | 6 - 8 mils per coat                |                               |
| Practical Coverage @ Recommended DFT | 200 - 250 sq ft/gal per coat       |                               |
| Flashpoint                           | >212° F                            |                               |

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## 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 preventative 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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