

# AlphaGuard™ Si Primer

*Two Component, Water-Based, Epoxy Primer*

## DESCRIPTION

AlphaGuard Si Primer is a two component, water-based, epoxy primer.

## BASIC USES

AlphaGuard Si Primer is used to prime existing smooth BUR, modified bitumen, and single-ply roof substrates as well as masonry and metal tie-ins prior to the installation of AlphaGuard Si 70 and 100 products.

## PACKAGING

### 10 gal Kit

Part A - 5 gal (18.9 L)

Part B - 5 gal (18.9 L)

## COLOR

Part A - White

Part B - Black / Dark Gray

Part A+B - Gray

## GRADE

Brush, Roller, Spray, Squeegee & Backroll

## POT LIFE

2 hours at 77°F (25°C) / 50% RH

*\*Temperature dependent - Increasing ambient and product temperatures reduce expected pot life.*

## 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.

Metal surfaces and coated metal including fluoropolymer/PVDF coatings such as Kynar® (Registered trademark of Arkema Inc.) and Hylar® (Registered trademark of Solvay

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Solexis Inc.) must be ground to clean bright metal free of rust prior to application.

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 power drill with Jiffy Mixer attachment. Cordless drills are not recommended and may not properly mix the materials.

Mix Part A and Part B until products are uniform in consistency and appearance. Measure equal parts of Part A and Part B and add to a mixing container. Mix the combined materials until uniform in consistency and appearance moving the mix blade from top to bottom and along side walls and bottom of pail. Improper mixing will result in non-curing material. Do not thin.

**Installation:** Mixed primer must be used within 4 hours of mixing. 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. Never fully invert empty pails in an attempt to drain material as this may result in improperly cured material during application.

Allow primer to cure prior to top coating. Primer must be top coated within 3 days of application. After 3 days, re-priming will be necessary.

BUR Smooth	MB Granule	MB Smooth	Single Ply
●	●	●	●

**Smooth BUR and MB Substrates:** 3/4 gal / 100 sq. ft. (0.3 L/m<sup>2</sup>) (12 wet mils)

**Granule Surface MB Substrates:** 1 gal / 100 sq. ft. (0.4 L/m<sup>2</sup>) (16 wet mils)

**Single-Ply Substrates:** 1/3 gal / 100 sq. ft. (0.1 L/m<sup>2</sup>) (5-6 wet mils)

*Note: Coverage rates are listed at minimum recommended rates. The application surface can affect the necessary coverage rate.*

**Min Ambient:** 50°F (10°C)

**Max Ambient:** 110°F (43.3°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:** 1 hour @ 77°F (25°C) / 50% RH

**Recoat Time:** 2-3 hours @ 77°F (25°C) / 50% RH

*Note: Cure times can be effected by a number of weather and jobsite conditions including but not limited to exposure to sunlight and wind, humidity, precipitation, and temperature.*

## GENERAL GUIDELINES

**Component:** Two-Component

**Pressure:** 2,000 psi

**Tip Size:** .019 - .029

**Filters:** Remove

**Hose Type:** High Pressure

**WHIP:** ¼" High Pressure

**Product Temp:** 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

Before the product cures, clean surfaces and equipment with water and soap. Spray equipment can be flushed/cleaned using MEK or xylene.

## ACCEPTABLE ROOF SURFACES

## COVERAGE RATES

## 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, copper, corrugated or standing seam metal roof systems, expanded or extruded polystyrene insulation, fluoropolymer finished metal, shingles, silicone-based products, and tar-based products.

- Not for use under continuous immersion.

## PHYSICAL PROPERTIES

PROPERTY	TYPICAL VALUE	TEST METHOD
Solids by volume	42%	ASTM D-2697
Solids by weight	60%	ASTM D-1644
VOC	<55 g/1	EPA method 24
Weight per gallon	11.72 lbs.	

## 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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