

AlphaGuard™ C-Prime

Two Component, 100% Solids Epoxy Primer for Concrete and Masonry Surfaces

DESCRIPTION

AlphaGuard C-Prime is a 100% solids, two component, low VOC, low odor epoxy penetrating primer.

BASIC USES

C-Prime is used to prime concrete and masonry surfaces prior to application of AlphaGuard BIO and MT/MTS systems.

PACKAGING

4 gal (15.1 L) Kits

Part A (2 per kit) - 1 gal (3.7 L) can
Part B (2 per kit) - 1 gal (3.7 L) can

10 gal (37.8 L) Kits

Part A - 5 gal (18.9 L) pail
Part B - 5 gal (18.9 L) pail

COLOR

Amber

GRADE

Brush, Roller, Squeegee & Backroll

POT LIFE

10-20 minutes at 75°F (24°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.

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: Allow new concrete to cure for a minimum of 28 days and until moisture, RH, and compressive strength values reach an appropriate level. Concrete must be structurally sound, dry, free of grease, oils, coatings, dust, curing compounds and other contaminants. Surface laitance must be removed. Remove defective concrete, honeycombs, cavities, joint cracks, voids and other defects by routing to sound material. Concrete surfaces must be shot-blasted to an ICRI 3-6 surface profile. Prior to application, test pull off strength of proposed system following ASTM D4541 and ensure the moisture content in the concrete surface measures lower than 5% following ASTM F2659.

Mixing: Add equal parts of Part A and Part B into a clean, dry mixing container. Using a heavy duty corded power drill with Jiffy Mixer mixing blade, mix the combined materials for 3-5 minutes minimum until product is uniform in appearance and consistency. Make sure to mix areas around side walls and bottom of pail. Improper mixing will result in non-curing material. Do not thin.

AlphaGuard™ C-Prime

APPLICATION CONTINUED

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. 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.

ACCEPTABLE ROOF SURFACES

Concrete

COVERAGE RATES

200 - 250 sq. ft. per gallon (5-6 m²/L).

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

TEMPERATURE/WEATHER RECOMMENDATIONS

Min Ambient: 50°F (10°C)

Max Ambient: 90°F (32°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

CURE TIMES

Gel Time: 30-40 minutes @ 75°F (24°C) / 50% RH

Tack Free Time: 3-4 hours @ 75°F (24°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.

Before the product cures, clean surfaces and equipment with water and soap.

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, 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.

TECHNICAL DATA

PROPERTY	TEST METHOD	TYPICAL VALUE
Mix Ratio		1:1 (A+B by volume)
Mixed Viscosity		300-400 cps
Volume Solids		100%
Weight Solids		100%
Mixed VOC		97 g/L

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.



Roofing & Building Maintenance

www.tremcoroofing.com

3735 Green Road
Beachwood, Ohio 44122
1.800.852.6013

220 Wicksteed Avenue
Toronto, Ontario, M4H 1G7
1.800.668.9879

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