

AlphaGuard C-Prime

Two Component, 100% Solids Epoxy Primer for Concrete Surfaces

Composition: AlphaGuard C-Prime is a 100% solids, two component, epoxy penetrating primer.

Usage: C-Prime is used to prime concrete block, decks, walls, parapets, and barriers which are being top coated with AlphaGuard MT. C-Prime is a zero VOC, fast drying, low odor primer suitable for use in hospital and school settings.

Application:

- Blend Parts A and B in equal volumes into a clean, dry mixing container. Mix using a powered Jiffy mixing paddle for 3 to 5 minutes. Tightly seal unmixed portions for later use.
- Apply with a clean brush or roller. Dry time is 3-4 hours at 75°F.
- Concrete must be structurally sound, dry, free of grease, oils, coatings, dust, curing compounds and other contaminants. Smooth precast and formed concrete surfaces must be cleaned, roughened and made absorptive by mechanical abrasion.
- Always allow new concrete to cure a minimum of 28 days. Use the concrete dryness test to ensure concrete is properly cured before use.
- Coverage Rate: 200 - 250 sq. ft. per gallon.

Technical Data

Material Properties @75°F (24°C) – 50% RH	
Mix ratio (A:B by vol)	1:1
Mixed viscosity, cps	300 to 400
Gel time (100 gms.), mins	30 to 40
Pot life, 2 gal. (7.6L) mins	10 to 20
Mixed solids % by wt	100
Tack free time, hrs	3 to 4

Limitations

- Do not apply over contaminated or damp surfaces.
- Do not thin.

Packaging

AlphaGuard C-Prime is available in 4 gallon kits and 10 gallon kits. Product is provided as 2 parts: Part A and Part B.

Surface Preparation:

Concrete must be structurally sound, dry, free of grease, oils, coatings, dust, curing compounds and other contaminants. Surface laitance must be removed. The preferred method of surface preparation is mechanical abrasion. Remove oil, grease smear and asphalt residue with trisodium phosphate or a strong detergent. For oil contaminated surfaces, use steam cleaning in conjunction with a strong emulsifying detergent. Rinse thoroughly with potable water.

After cleaning, remove defective concrete, honeycombs, cavities, joint cracks, voids and other defects by routing to sound material. Smooth precast and formed concrete surfaces must be cleaned, roughened and made absorptive by mechanical abrasion. Surface profile should be equal to CSP 3-6 in accordance with ICRI Guideline 310.2 at a minimum. If it is not possible to mechanically abrade, acid etch with a 15% Hydrochloric acid solution. After etching pressure wash or flush the surface with copious amounts of water to neutralize the surface. Care must be taken to ensure that all salts and residue from the reaction have been removed. The pH of the surface should be checked, as per ASTM D 4262, following acid etching.

Following surface preparation, the cleaned surface should pull concrete when tested with an Elcometer or similar pull tester (ASTM D 4541). Before application of the coating, use the "Visqueen test" (ASTM D 4263) to evaluate moisture level in concrete. Any questions regarding drying times, coverage rates and unique application techniques regarding the individual primers should be directed to Tremco Technical Services or your local Tremco Field Representative.

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Precautions: Use Tremco AlphaGuard C-Prime with adequate ventilation. Users must read container labels and Material Safety Data Sheets for health and safety precautions prior to use.

Availability and Cost: Contact your local Tremco Roofing Representative for pricing and availability. For the name and number of your Representative, call the Roofing Division at 216/292-5000.

Maintenance: Your local Tremco Roofing 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.

Guarantee/Warranty: Tremco Inc. warrants AlphaGuard C-Prime to be free of defects and to meet published physical properties when cured and tested according to ASTM and Tremco standards. Under this warranty, we will provide at no charge, AlphaGuard MT C-Prime in standard packaging to replace any AlphaGuard C-Prime proven to be defective when applied according to our written instructions, and in applications recommended by us as suitable for AlphaGuard C-Prime. THIS IS BUYER'S SOLE AND EXCLUSIVE REMEDY.

All claims concerning product defects must be made in writing within (12) months of shipment. The absence of such claims in writing during this period will constitute a waiver of all claims with respect to such product.

This warranty shall be IN LIEU OF any other warranty, express or implied, including but not limited to, any implied warranty of MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

Technical Services: Your local Tremco Representative, working with the Technical Service Staff, can help analyze conditions and needs to develop recommendations for special applications. The services of the Tremco Research Center, which has earned a unique reputation in weather-proofing technology, complement and extend the services of the Tremco Technical Service Staff.

Statement of Policy and Responsibility:

Tremco takes responsibility for furnishing quality materials and for providing specifications and recommendations for their proper installation. As neither Tremco itself nor its Representatives practice architecture or engineering, Tremco offers no opinion on, and expressly disclaims any responsibility for the soundness of any structure on which its products may be applied. If questions arise as to the soundness of a structure or its ability to support a planned installation properly, the Owner should obtain opinions of competent structural engineers before proceeding. Tremco accepts no liability for any structural failure or for resultant damages, and no Tremco Representative is authorized to vary this disclaimer.



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