AlphaGuard® BIO Top Coat

High Performance, Two-Part, Bio-Based Polyurethane Top Coat

Composition: The AlphaGuard BIO Top Coat is a two-part, bio-based, polyurethane roof coating.

Basic Uses: The AlphaGuard BIO Top Coat can be used in a variety of projects, including roof restoration, approved recover and new construction assemblies, IRMA and vegetative roof systems. AlphaGuard BIO Top Coat is used as a surfacing over AlphaGuard BIO Base Coat and reinforcement.

Limitations:

- Do not apply when ambient temperatures are below 50°F (10°C)
- Do not apply when overnight temperature drops below 40ºF (4ºC)
- Do not adhere to expanded polystyrene or extruded polystyrene.
- Do not apply directly to plywood, tongue and groove decks, wood decks, poured in place gypsum, lightweight insulating concrete decks, structural lightweight concrete and cementitious wood fiber decks.
- Not for use over coal tar pitch, gravel BUR, metal roof systems.

Product Advantages

Features	Benefits
Bio Content	• High bio content makes product sustainable and environmentally friendly
Reflective Top Coat	• Lower surface temperature • Potential Energy Savings
Catalyzed Cure	• Results in faster cure times than similar one-component products
Versatile	• Suitable for use over many substrates/roof types
High Solids	• 100% Solids
Low VOC	• Low Odor • Non-flammable • Meets California VOC limits • Can be used in limited access areas
Chemical Resistant	• Resistant to a wide variety of harmful chemicals

Packaging:
Part A - 5 gallon (18.9 L) container (2.2 gal total).
Part B - 1 gallon (3.78 L) container (0.9 gal total).
Each Part A & Part B kit yields 3 gallons.

Colors: White

Grade: Brush/roller/squeegee.

Pot Life: 20-25 minutes (77°F/50% RH)
***Temperature dependent - Increasing temperature significantly reduces expected pot-life**

Storage Life: 12 months in unopened containers. Recommended storage conditions are in an area sheltered from harsh weather conditions at temperatures ranging from 60-80°F (15-26°C) and low humidity. Storage temperatures must not exceed 110°F (43°C). Do not store in direct sunlight.

APPLICATION:
Preparation: AlphaGuard BIO Base Coat must be clean, dry, solid, and free of dirt, grease, oil, algae, and other debris. AlphaGuard BIO Base Coat should be top-coated within 72 hours of base coat application.

Mixing: 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 (White Label) for 1 minute before adding Part B (White Label). After adding Part B mix the combined materials for a minimum of 2 minutes moving the mix blade from top to bottom. Make sure to mix areas around side walls and bottom of pail. Improper mixing will result in non-curing material. Never fully invert empty pails in attempt to drain material – will result in non-curing material.

Do not break down kits into smaller quantities – MIX ENTIRE KIT.

Repairs: If AlphaGuard BIO is being used over an existing roof system, all appropriate repairs should be made before applying the AlphaGuard BIO system. Allow suggested cure time of repairs before applying AlphaGuard BIO to the roof surface.

ACCEPTABLE ROOF SURFACES/SUBSTRATES:
Properly applied and cured AlphaGuard BIO Base Coat and reinforcement.

TREMCO®

Roofing & Weatherproofing Peace of Mind™

Non-Skid Application: In areas where a slip-resistant surface is required, 20 - 40 mesh silica sand can be broadcast at 10 - 15 lbs / SQ (0.5 - 0.7 kg/m2) and back-rolled in an additional layer of Tremco AlphaGuard BIO Top Coat.

Coverage Rate:
Top Coat: 2 gals / SQ (32 wet mils).
Non-Skid Coat: 1.5 gals / SQ (24 wet mils)

Clean Up: Before the product cures, clean surfaces and equipment with Isopropyl Alcohol.

Precautions: Use Tremco AlphaGuard BIO System Coatings 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 BIO 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 BIO in standard packaging to replace any AlphaGuard BIO proven to be defective when applied according to our written instructions, and in applications recommended by us as suitable for AlphaGuard BIo. 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.

AlphaGuard BIO can be used in a system configuration. Talk to your local Tremco Representative about system roof warranties.

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.

Physical Performance Characteristics

AlphaGuard BIO Top Coat

Property	AlphaGuard Typical Value	Test Method
Water Vapor Transmission[1] Wet Cup	0.019 perm-in. (1.32 g/m²/day)	ASTM E 96
Volume Solids	100%	ASTM D 2697
Weight Solids	100%	ASTM D 1644
Volatile Organic Content	6 g/l (on A + B mix)	ASTM D 3960
Viscosity	1,500-4,500 cp	ASTM D 2196

[1] Data is for AlphaGuard Bio System. Data has not been 3rd Party Tested

Skin & Over-Coat Times
Skin Time at: 77 °F/ 50% RH 2-3 hours

Over-Coat Time at: 77 °F / 50% RH 7-8 hours

NOTE- Both skin & overcoat times are temperature-dependent. Higher temperatures will result in reduced skin/overcoat times, lower temperaturesmay result in extended skin/overcoat times

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.

TREMCO
3735 Green Road
Beachwood, OH 44122
216-292-5000

220 Wicksteed Ave
Toronto, ONT M4H 1G7
416-421-3300

6951 Rev. 1/15
Printed in USA