

PRODUCT DESCRIPTION

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.

FEATURES & BENEFITS

- High BIO content makes the product more sustainable and environmental friendly.
- Reflective top coat reduces surface temperature and can lead to energy savings.
- 2-Component cure results in faster cure times than similar 1-component products.
- Suitable for use over many different types of substrates roofs (Concrete, Metal, Bitumen Sheets, Single Ply-PVC/TPO, EPDM)
- Suitable for use over many substrate/roof types.
- 100% Solids
- Low odour and low VOC

PACKAGING

Part A - 20L container, 8.3L total.
Part B - 5L container, 3.4L total.
Each Part A & Part B kit yields 11.7 L.

COLOUR

White

COVERAGE

Refer Tremco CPG coverage sheet for Alphaguard BIO System

INSTALLATION

- **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 a Jiffy Mixer attachment. Cordless drills are not recommended and may not mix the materials properly. Mix Part A for 1 minute before adding Part B. After adding Part B mix the combined materials for a minimum of 2 minutes moving the mixing blade from top to bottom of the pail. Make sure to mix around side walls and bottom of the pail. Improper mixing will result in non-curing material. Never fully invert empty pails in an attempt to fully drain the pail.

- There will be a small amount of un-mixed Part A at the bottom of the pail which will not cure and will cause soft spots in the coating
- DO NOT break down kits into smaller quantities. MIX ENTIRE KIT.
- **Non-Slip Application:** In areas where a slip-resistant surface is required, 20-40 mesh silica sand can be broadcast at a rate of 0.5-0.7 kg/m² and back-rolled into an additional layer of AlphaGuard BIO Top Coat.
- For detailed information please see the AlphaGuard BIO application instructions.

LIMITATIONS

- Do not apply when ambient temperatures are below 7°C.
- Do not apply when overnight temperature drops below 4°C.
- 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 fibre decks.
- Not for use over coal tar pitch, gravel BUR, corrugated metal roof systems, and silicone-based coatings and sealants.

WARRANTY

- Tremco CPG India warrants its Products to be free of defects in materials but makes no warranty as to appearance or colour. Since methods of application and on-site conditions are beyond our control and can affect performance, Tremco CPG India makes no other warranty, expressed or implied, including warranties of MERCHANTABILITY and FITNESS FOR A PARTICULAR PURPOSE with respect to Tremco CPG India Products. Tremco's CPG India sole obligation shall be, at its option, to replace or to refund the purchase price of the quantity of Tremco CPG India Products proven to be defective, and Tremco CPG India shall not be liable for any loss or damage.

TECHNICAL PARAMETERS

PROPERTY	TEST METHOD	TYPICAL VALUE
Tensile Strength,MPa	ASTM D412	> 4.0 MPa
Water Vapor Transmission,g/m2/day	ASTM E96	3.5
Low Temperature Flexibility	ASTM D522	Pass at -31.7°C {12.7 mm mandrel bend}
Tear Strength, kg	ASTM D5147	140
Water Absorption	ASTM D471	0.008
Hardness , Shore A	ASTM D2240	81
Reflectivity, %	ASTM C1549	84
Emissivity, %	ASTM C1371	87
SRI	ASTM E1980	105
Volume Solids, %	ASTM D 2697	100
Weight Solids, %	ASTM D 1644	100
Mixed Volatile Organic Content, g/L	ASTM D3960	< 6 (A+B mix)
Skin Time at 25°C / 50% RH, hrs		3-4
Over-Coat Time at 25°C / 50% RH, hrs		6-7