

## Polyester fabric

DESCRIPTION:	PERMAFAB is 100% stitchbonded, polyester fabric that offers an unusual combination of high strength properties with good elongation for excellent resistance against thermal stress. PERMAFAB polyester fabric will not rot as it ages and it is resistant to moisture.																										
BASIC USES:	PERMAFAB is designed to be used in conjunction with ALPHAGUARD, ICE Coating, SOLARGARD 6083, and GEOGARD coatings as a maintenance overlayment for smooth surfaces, and single ply roofs. PERMAFAB is also used in conjunction with SOLARGARD Acrylic Sealer, SOLARGARD Seam Sealer and GEOGARD Seam Sealer for flashing, seam, penetration, and other detail repairs.																										
PACKAGING:	#230004R – 4" x 300' roll (101.6 mm x 7.62 m) #230006R – 6" x 300' roll (152.4 mm x 7.62 m) #230012R – 12" x 300' roll (304.8 mm x 7.62 m) #290400 – 40" x 324' roll (1016 mm x 8.23 m)																										
COVERAGE RATE:	<b>One roll of PERMAFAB will cover:</b> 40" ↔ 324' (1016 mm ↔ 8.23 m) 1,101 sq. ft. (gross), 11.0 squares (102.3 m²) <b>A single overlayment with:</b> 4" (101.6 mm) overlap 972 sq. ft. (net), 9.7 squares (90.3 m²)																										
APPLICATION:	Refer to the following Product Data Sheets and/or substrate specific general guideline specifications for complete application information: ALPHAGUARD, GEOGARD, ICE Coating, SOLARGARD 6083, SOLARGARD Acrylic Sealer, SOLARGARD Seam Sealer and GEOGARD Seam Sealer.																										
LIMITATIONS:	<ul style="list-style-type: none"><li>• Application temperature shall be above 40°F (4.4°C).</li><li>• Do not apply when rain is imminent.</li><li>• Not to be directly embedded into or coated with any ALUMANATION coatings.</li></ul>																										
TECHNICAL DATA:	<table><tr><td>Weight per Sq. Yd (m²)</td><td colspan="2">3 oz. (0.1 kg)</td></tr><tr><td>Weight per Roll</td><td colspan="2">33 lbs. (13.6 kg)/40" roll (8.23m)</td></tr><tr><td><b>Property</b></td><td><b>Test Method</b></td><td><b>Typical Value</b></td></tr><tr><td>Elongation</td><td>ASTM D 1682</td><td>61.65% avg.*</td></tr><tr><td>Tensile</td><td>ASTM D 1682</td><td>51.1 lbs. (23.2 kg) avg.*</td></tr><tr><td>Mullen Burst</td><td>ASTM D 3786</td><td>176.8 lbs. (80.2 kg)</td></tr><tr><td>Trapezoid (Tear Strength)</td><td>ASTM D 1117</td><td>16.1 lbs. (7.3 kg) avg.*</td></tr><tr><td>Mildew &amp; Rot Resistance</td><td></td><td>Excellent</td></tr></table> <p><i>*NOTE: Average machine &amp; cross machine direction.</i></p>			Weight per Sq. Yd (m²)	3 oz. (0.1 kg)		Weight per Roll	33 lbs. (13.6 kg)/40" roll (8.23m)		<b>Property</b>	<b>Test Method</b>	<b>Typical Value</b>	Elongation	ASTM D 1682	61.65% avg.*	Tensile	ASTM D 1682	51.1 lbs. (23.2 kg) avg.*	Mullen Burst	ASTM D 3786	176.8 lbs. (80.2 kg)	Trapezoid (Tear Strength)	ASTM D 1117	16.1 lbs. (7.3 kg) avg.*	Mildew & Rot Resistance		Excellent
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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.																										
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 weatherproofing technology, complement and extend the services of the Tremco Technical Service Staff.																										

# PERMAFAB



D-290  
7/31/18

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Beachwood, Ohio 44122  
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## ***A single-component, quick-drying primer for Geogard and AlphaGuard products***

<b>DESCRIPTION:</b>	Geogard Primer is a single component primer designed to enhance adhesion when using Tremco urethane products including AlphaGuard, Geogard, and urethane sealants.		
<b>BASIC USES:</b>	Geogard Primer is utilized to promote adhesion of cured urethane coatings and sealants to newly applied coats. It can also be used as primer over approved substrates. To determine if a substrate is approved, reference current Tremco literature or contact Tremco Product & Technical Group.		
<b>ADVANTAGES:</b>	Geogard Primer is a quick drying primer with excellent adhesion properties.		
<b>PREPARATION:</b>	All surfaces are to be free of dirt, grease, oil, chalk, loose paint, rust, mortar, and other foreign matter, which could prevent proper adhesion. This is best accomplished by power washing or utilizing a stiff broom. All surfaces must be completely dry prior to the application of GEOGARD Primer.		
<b>APPLICATION:</b>	Geogard Primer can be brush, roller, or spray applied. Apply primer evenly on surface at the recommended coverage rate. Do not allow the product to puddle. Once the primer becomes dry and tacky (typically 15-30 mins) it can be top coated. Primer must be top coated prior to curing hard, glossy, and tack-free (typically within 1-2 hours). If this occurs, clean the primed area and re-prime following the application instructions listed above.		
<b>COVERAGE:</b>	400 sq. ft. / gal (4 wet mils), (9.8 m <sup>2</sup> /L).		
<b>LIMITATIONS:</b>	Apply only when ambient temperatures are 40°F (4.4°C) and rising. Do not apply over wet or damp surfaces or when precipitation is imminent. Only apply over approved substrates and products. Exposed primer will yellow as it weathers.		
<b>MAINTENANCE:</b>	GEOGARD Primer is designed to be top coated with an approved Tremco urethane product. It is recommended that the coating installation be checked on a regular schedule with additional inspections after the system has been exposed to severe weather conditions. Small area touch-up can be made at any time by following the recommended application procedures.		
<b>TECHNICAL SERVICES:</b>	Technical advice or service on suitability of material for specific application and end-use requirements is available from the manufacturer. Refer to label and Safety Data Sheet (SDS) for precautionary information.		
<b>PHYSICAL PROPERTIES:</b>	<b>Property</b> Weight per Gallon (Liter) Viscosity VOC Dry Time Flashpoint Clean Up	<b>Test Method</b> ASTM D 1475 ASTM D 562   ASTM D 3278	<b>Typical Value</b> 10.32 lbs. (1.24 kg) 20-50 CPS (mPas) 5 g/L 15-30 mins at 70°F (21°C) 109°F (43°C) Xylene

# Geogard® Primer



TDS 7019  
7/31/18

**[www.tremcoroofing.com](http://www.tremcoroofing.com)**  
3735 Green Road  
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GEOGARD is a U.S. registered trademark of Tremco Incorporated.

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# AlphaGuard™ BIO Base Coat

## High Performance, Two-Component, Bio-Based Polyurethane Base Coat

### FEATURES

Bio Content

Virtually Odorless

High Solids

Low VOC

Versatile

### BENEFITS

- Rapidly renewable content makes product sustainable and environmentally responsible
- System is perfect for sensitive accounts such as schools, hospitals, occupied buildings, etc.
- Results in thicker dry film vs. lower solids products
- 1 g/L
- Can be applied on many roofing substrates

### DESCRIPTION

The AlphaGuard BIO Base Coat is a two-component, bio-based, polyurethane liquid applied product.

### BASIC USES

The AlphaGuard BIO System can be used to restore weathered smooth asphalt-based BUR, modified bitumen, and single-ply systems.

### PACKAGING

#### Pails: 4 gal (15.1 L) Kits

Part A - 3.2 gals (12.1 L) packaged in a 5 gal (18.9 L) container

Part B - 0.8 gal (3.0 L) packaged in a 1 gal (3.7 L) container

#### Drums: 250 gal (946.3 L) Kits

Part A - 4 drums total - Each containing 50 gals (189.2 L) packaged in a 55 gal (208.1 L) container

Part B - 1 drum total - Containing 50 gals (189.2 L) packaged in a 55 gal (208.1 L) container

### COLOR

Gray

### GRADE

Brush, Roller, Spray, Squeegee & Backroll

### POT LIFE

20-25 minutes, 77°F (25°C)/50% RH.

*\*Temperature dependent - Increasing temperature reduces expected pot-life*

### STORAGE

12 months shelf life in unopened containers when properly stored.

#### DO NOT FREEZE PART B

Recommended storage conditions are 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

**Preparation:** Surface must be clean, dry, in sound condition, and free of dirt, debris, and contaminants. Wet insulation 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.



## APPLICATION

CONTINUED

# AlphaGuard™ BIO Base Coat

Allow new concrete to cure for a minimum of 28 days and until moisture, RH, and compressive strength values reach an appropriate level. Concrete surfaces must be shot-blasted to a an ICRI 3-6 surface profile.

Metal surfaces and coated metal including fluoropolymer/PVDF coatings such as Kynar® (Registered trademark of Arkema Inc.) and Hylar® (Registered trademark of Solvay Solexis Inc.) must be ground to clean bright metal free of rust and primed 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:

Product material temperatures must be above 45°F (7°C) when 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 for 1 minute before adding Part B. 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.

**Drums:** Use industrial drum mixing equipment to mechanically mix each Part A and Part B container. Mix until product is consistent in appearance and viscosity. Do not thin.

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

**Priming:** Primers may be needed on specific substrates/surfaces prior to application. See AlphaGuard Installation Guide for a list of recommended primers.

**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.

### Reinforcements:

**Fully-Reinforced Application:** Fully embed AlphaGuard Glass Mat or Permafab into wet AlphaGuard BIO Base Coat using a brush or roller until reinforcement is fully saturated and is free of voids, wrinkles, air pockets, standing fibers, etc. In overlap areas ensure wet base coat is present on the top of the embedded sheet and overlap side laps a minimum of 3" (76 mm) and end laps a minimum of 6" (152 mm). Follow the same guidelines to embed the reinforcement in these areas. Do not allow foot traffic on the AlphaGuard BIO Base Coat during application or until liquid product has cured. Once cured, apply top coat at the specified rate fully covering the embedded reinforcement.

**Partially-Reinforced (NR System):** Install a three-course application on all drainage components, field laps/seams, flashing base and vertical laps/seams, penetrations, etc. following Tremco detail guidelines. Install the three-course application by applying AlphaGuard BIO Base Coat or approved sealant. Fully embedding Permafab into wet AlphaGuard BIO Base Coat or approved sealant using using a brush or roller until reinforcement is fully saturated and is free of voids, wrinkles, air pockets, standing fibers, etc. Then fully encapsulate the fabric with an additional application of AlphaGuard BIO Base Coat or approved sealant.

### Smooth BUR, Smooth MB, Single-Ply Substrates:

**Fully-Reinforced:** 3 gals / 100 sq. ft. (1.2 L/m<sup>2</sup>) (48 wet mils) minimum.

**NR System:** 2 gals / 100 sq. ft. (0.8 L/m<sup>2</sup>) (32 wet mils) minimum.

### Granule Surfaced MB Substrates:

**Fully-Reinforced:** 4 gals / 100 sq. ft. (1.6 L/m<sup>2</sup>) (64 wet mils) minimum.

**NR System:** 3 gals / 100 sq. ft. (1.2 L/m<sup>2</sup>) (48 wet mils) minimum.

## COVERAGE RATES

# AlphaGuard™ BIO Base Coat

## COVERAGE RATES CONTINUED

## TEMPERATURE RECOMMENDATIONS

## CURE TIMES

## ACCEPTABLE ROOF SURFACES

## SPRAY EQUIPMENT RECOMMENDATIONS

## CLEAN UP

## LIMITATIONS

**Three-Course Application:** 30-65 In ft / gal

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

**Min Ambient:** 45°F (7.2°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 (2.77°C) of ambient temperatures
- Do not apply when precipitation, fog or dew is imminent prior to cure of the product

**Skin Time:** 3-4 hours @ 77°F (25°C) / 50% RH

**Recoat Time:** 6-7 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.*

BUR-Smooth	BUR-Gravel	Concrete	MB Smooth/Granule	Metal	Metal-Fluoropolymer	Single Ply	SPUF	Walls
●			●			●		

## GENERAL GUIDELINES

**Component:** Two-Component

**Pressure:** 4,500 psi

**Tip Size:** .045 - .055

**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 Isopropyl Alcohol. Spray equipment can be flushed/cleaned using MEK or xylene.

- Not recommended for use over the following:

**Roof Decks:** Direct applications to 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, expanded or extruded polystyrene insulation, fluoropolymer finished metal, shingles, silicone-based products, and tar-based products.

- Not for use under continuous immersion



## PHYSICAL PROPERTIES

# AlphaGuard™ BIO Base Coat

PROPERTY	TEST METHOD	TYPICAL VALUE
Abrasion Resistance	ASTM C501	31 mg
Accelerated Weathering	ASTM G154	Pass
Breaking Strength	ASTM D751	385 lbf/in
Crack Spanning	ASTM C1305	Pass - 2 mm / 0.08 in
Dimensional Stability	ASTM D1204	0%
Dynamic Puncture Resistance	ASTM D5635	50 J
Elongation	ASTM D412	62%
Flexibility	ASTM D522	Pass @ -18°F
Fungi Resistance	ASTM G21	Pass
Indentation Hardness	ASTM D2240	82 Shore A
Low Temperature Flexibility	ASTM D5147	Pass at -30°F
Peak Load	ASTM D5147	414 lbf/in
Permeance	ASTM E96	0.011 perm-inch
Static Puncture Resistance	ASTM D5602	65 lbf
Tear Resistance	ASTM D5147	294 lbf/in
Tensile Strength	ASTM D412	644 psi
Water Absorption	ASTM D570	2 hours - 0.2%, 24 hours - 1.1%
Water Vapor Transmission	ASTM E96	1.2 perms
Volume Solids	ASTM D 2697	100%
Weight Solids	ASTM D 1644	100%
VOC		1 g/L

Data based on AlphaGuard BIO system

## CODES & APPROVALS

Florida Building Code



## 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.



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# AlphaGuard™ BIO Top Coat

## High Performance, Two-Component, Bio-Based Polyurethane Top Coat

### FEATURES

Bio Content

Virtually Odorless

High Solids

Low VOC

Versatile

Highly Reflective (White)

### BENEFITS

- Rapidly renewable content makes product sustainable and environmentally responsible
- System is perfect for sensitive accounts such as schools, hospitals, occupied buildings, etc.
- Results in thicker dry film vs. lower solids products
- 1 g/L
- Can be applied on many roofing substrates
- Lowers rooftop temperatures resulting in less stress and potential energy savings

### DESCRIPTION

The AlphaGuard BIO Top Coat is a two-component, bio-based, polyurethane liquid applied product.

### BASIC USES

The AlphaGuard BIO System can be used in a variety of applications including roof restoration of weathered smooth asphalt-based BUR, modified bitumen, and single-ply systems.

### PACKAGING

**Pails:** 3.1 gal (11.7 L) Kits

Part A - 2.2 gals (8.3 L) packaged in a 5 gal (18.9 L) container

Part B - 0.9 gal (3.4 L) packaged in a 1 gal (3.7 L) container

**Drums:** 140 gal (529.9 L) Kits

Part A - 2 drums total - Each containing 50 gals (189.2 L) packaged in a 55 gal (208.1 L) container

Part B - 1 drum total - Containing 41 gals (155.2 L) packaged in a 55 gal (208.1 L) container

### COLOR

White, Beige, Dark Gray, Light Gray, Medium Gray, Safety Yellow, and Sand

### GRADE

Brush, Roller, Spray, Squeegee & Backroll

### POT LIFE

20-25 minutes, 77°F (25°C)/50% RH.

*\*Temperature dependent - Increasing temperature reduces expected pot-life*

### STORAGE

12 months shelf life in unopened containers when properly stored.

### DO NOT FREEZE PART B

Recommended storage conditions are 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

AlphaGuard BIO Top Coat - White to be used on all applications. Alternate colors can be utilized in designated striping applications of the non-skid walkway application as listed below.

**Preparation:** AlphaGuard BIO Base Coat or Top Coat surface must be cured, clean, dry, in sound condition, and free of dirt, debris, and contaminants prior to application.

## APPLICATION CONTINUED

## COVERAGE RATES

## TEMPERATURE RECOMMENDATIONS

## CURE TIMES

## ACCEPTABLE ROOF SURFACES

## SPRAY EQUIPMENT RECOMMENDATIONS

# AlphaGuard™ BIO Top Coat

### Mixing:

Product material temperatures must be above 45°F (7°C) when 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 for 1 minute before adding Part B. 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.

**Drums:** Use industrial drum mixing equipment to mechanically mix each Part A and Part B container. Mix until product is consistent in appearance and viscosity. Do not thin.

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

**Priming:** AlphaGuard BIO Base and Top Coats should be top-coated within 72 hours of application. If cured base or top coat is exposed for longer than 72 hours, an application of Geogard Primer will be required to promote adhesion between coats.

**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.

**Non-Skid Application:** Install an additional layer of white top coat at 1-1½ gal / 100 sq. ft. (16-24 wet mils) (0.4-0.6 L/m²) and immediately broadcast and backroll an approved non-skid media. Color striping can be installed in 3-4" wide areas along the perimeter of the walkway area at a coverage rate of 1-1½ gal / 100 sq. ft. (16-24 wet mils) (0.4-0.6 L/m²) to provide identification of the areas on the roof.

### Approved Non-Skid Media:

- Silica Sand (20-40 mesh) - Coverage: 20-30 lbs. / 100 sq. ft.
- No. 11 Roofing Granule - Coverage: 10-15 lbs. / 100 sq. ft.

**Top Coat:** 2 gals / SQ (32 wet mils) (0.8 L/m²)

**Non-Skid Coat:** 1-1.5 gals / SQ (16-24 wet mils) (0.4-0.6 L/m²)

**Tremco Plain and Simple/Extended Warranty:** 3 gals / SQ (48 wet mils) (1.2 L/m²)

Coverage rates are listed at minimum recommended rates. The application surface can affect the necessary coverage rate. Color top coats may require higher coverage rates or additional coats to provide adequate hiding and consistent appearance.

**Min Ambient:** 45°F (7.2°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 (2.77°C) of ambient temperatures
- Do not apply when precipitation, fog or dew is imminent prior to cure of the product

**Skin Time:** 3-4 hours @ 77°F (25°C) / 50% RH

**Recoat Time:** 6-7 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.*

BUR-Smooth	BUR-Gravel	Concrete	MB Smooth/Granule	Metal	Metal-Fluoropolymer	Single Ply	SPUF	Walls
●			●			●		

### GENERAL GUIDELINES

**Component:** Two-Component

**Pressure:** 4,500 psi

**Tip Size:** .045 - .055

**Filters:** Remove

**Hose Type:** High Pressure

**WHIP:** ¼" High Pressure

**Product Temp:** Ambient



## SPRAY EQUIPMENT RECOMMENDATIONS CONTINUED

## CLEAN UP

## LIMITATIONS

## PHYSICAL PROPERTIES

## CODES & APPROVALS

# AlphaGuard™ BIO Top Coat

- 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 Isopropyl Alcohol. Spray equipment can be flushed/cleaned using MEK or xylene.

- Not recommended for use over the following:

**Roof Decks:** Direct applications to 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, expanded or extruded polystyrene insulation, fluoropolymer finished metal, shingles, silicone-based products, and tar-based products.

- Not for use under continuous immersion

PROPERTY	TEST METHOD	TYPICAL VALUE
Abrasion Resistance	ASTM C501	31 mg
Accelerated Weathering	ASTM G154	Pass
Breaking Strength	ASTM D751	385 lbf/in
Crack Spanning	ASTM C1305	Pass - 2 mm / 0.08 in
Dimensional Stability	ASTM D1204	0%
Dynamic Puncture Resistance	ASTM D5635	50 J
Elongation	ASTM D412	62%
Flexibility	ASTM D522	Pass @ -18°F
Fungi Resistance	ASTM G21	Pass
Indentation Hardness	ASTM D2240	82 Shore A
Low Temperature Flexibility	ASTM D5147	Pass at -30°F
Peak Load	ASTM D5147	414 lbf/in
Permeance	ASTM E96	0.011 perm-inch
Static Puncture Resistance	ASTM D5602	65 lbf
Tear Resistance	ASTM D5147	294 lbf/in
Tensile Strength	ASTM D412	644 psi
Water Absorption	ASTM D570	2 hours - 0.2%, 24 hours - 1.1%
Water Vapor Transmission	ASTM E96	1.2 perms
Volume Solids	ASTM D 2697	100%
Weight Solids	ASTM D 1644	100%
VOC		1 g/L

Data based on AlphaGuard BIO system

## Florida Building Code



	Initial	Rapid Ratings*	Weathered
Solar Reflectance	<u>0.83</u>	<u>0.82</u>	Pending
Thermal Emittance	<u>0.9</u>	<u>0.9</u>	Pending
Rated Product ID	<u>0612-0025</u>		
Licensed Manufacturer ID	<u>0612</u>		
Classification	Production Line		

**RAPID RATINGS**

\*CRRC Rapid Ratings: These are interim laboratory-aged values that simulate weathered values. These values will be replaced by the measured three-year aged values upon completion of the weathering process. Cool Roof Rating Council ratings are determined for a fixed set of conditions, and may not be appropriate for determining seasonal energy performance. The actual effects of solar reflectance and thermal emittance on building performance may vary. Manufacturer of product stipulates that these ratings were determined in accordance with the applicable Cool Roof Rating Council procedures.



# AlphaGuard™ BIO Top Coat

## 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.



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