

# AlphaGuard® MT Top Coat

## High Performance, One-Part, Moisture Triggered, Polyurethane Top Coat

**Composition:** The AlphaGuard MT Top Coat is a one-part, moisture triggered, polyurethane roof coating.

**Basic Uses:** The AlphaGuard MT Top Coat can be used in a variety of projects, ranging from rooftops, IRMA and vegetative roof systems. AlphaGuard MT Top Coat is used as a surfacing over AlphaGuard Base Coat and reinforcement.

**Limitations:**

- Do not apply when ambient temperatures are below 50°F (10°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 or lightweight insulating concrete decks.
- Do not apply to structural concrete deck without using a primer.

**Packaging:** 5 gallon (18.9 L) containers  
2 gallon (7.57 L) containers

| Product Advantages             |  |
|--------------------------------|--|
| Features                       | Benefits   |
| Moisture Triggered             | <ul style="list-style-type: none"> <li>• Resists Foaming</li> <li>• Resists Wash off</li> <li>• Uniform Cure</li> </ul>  |
| Single component               | <ul style="list-style-type: none"> <li>• No blending of multi-components</li> </ul>  |
| Versatile                      | <ul style="list-style-type: none"> <li>• Suitable for use over most substrates/roof types</li> </ul>   |
| Reflective top coat            | <ul style="list-style-type: none"> <li>• Lower surface temperatures</li> <li>• Increased roof life</li> <li>• Lower energy costs</li> <li>• CRRC Listed</li> </ul> |
| Resistant to biological attack | <ul style="list-style-type: none"> <li>• Prevents degradation due to algae and other microorganisms</li> </ul>   |
| Low VOC                        | <ul style="list-style-type: none"> <li>• Low Odor</li> <li>• Meets California VOC limits</li> <li>• Can be used in limited access areas</li> </ul>                 |
| Chemical Resistant             | <ul style="list-style-type: none"> <li>• Resistant to a wide variety of harmful chemicals</li> </ul>   |

**Colors:** High Gloss White.

Black, Dark Gray, Medium Grey, Light Gray, Beige, Patina Green, Safety Yellow, Sand, Garnet. Custom color available on request.

**Grade:** Brush/roller/squeegee.

**Storage Life:** 9 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).

**APPLICATION:**

**Preparation:** AlphaGuard MT Base Coat must be clean, dry, solid, and free of dirt, grease, oil, algae, and other debris. AlphaGuard MT Base Coat left exposed for 72 hours or greater must be primed with Geogard Primer.

**Mixing:** No mixing is necessary before use.

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

**Acceptable Substrates:** Properly prepared AlphaGuard MT Base Coat.

**Application:** For 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/m<sup>2</sup>) and back rolled in an additional layer of Tremco AlphaGuard MT Top Coat.

**COVERAGE RATE:**

**Top coat:** 2 gals/SQ (32 wet mils)

**Non-Skid Coat:** 1¼ gals/SQ (20 wet mils)

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

**Clean Up:** Before the product cures, clean surfaces and equipment with mineral spirits.

**Precautions:** Use Tremco AlphaGuard MT System Coatings with adequate ventilation. Users must read



Roofing & Weatherproofing Peace of Mind™

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.

The solar reflectance of this roofing product may decrease over time. Roofs should be properly inspected at regular intervals and maintained or cleaned when necessary and appropriate to assure maximum reflectance.

**Guarantee/Warranty:** Tremco Inc. warrants AlphaGuard MT 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 in standard packaging to replace any AlphaGuard MT proven to be defective when applied according to our written instructions, and in applications recommended by us as suitable for AlphaGuard MT. 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 MT 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.

**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

## Physical Performance Characteristics

### AlphaGuard MT Top Coat

| Property   | Test Method | Typical Value                               |
|--|-------------|---|
| Dynamic Puncture Resistance <sup>1</sup>         | ASTM D 5635 | 830 ft. poundals (35 J)                     |
| Static Puncture Resistance <sup>1</sup>          | ASTM D 5602 | 75 lbs. (34 kg)                             |
| Tensile Strength                                 | ASTM D 442  | 1,435 lb/in <sup>2</sup> (9.89 MPa)         |
| Elongation at Break                              | ASTM D 412  | 351%  |
| Indentation Hardness                             | ASTM D 2240 | 85.4 durometer units                        |
| Tear Resistance                                  | ASTM D 624  | 159.83 lbf/in. (30 kN/m)                    |
| Water Vapor Transmission <sup>1</sup>            | ASTM E 96   | 0.020 perm-in. (5.16 g/m <sup>2</sup> /day) |
| Accelerated Weathering - 5,000 hrs. <sup>1</sup> | ASTM G 154  | Pass - no cracking or checking              |
| Flexibility - Mandrel bend                       | ASTM D 522  | Pass - no cracking or flaking               |
| Volume Solids                                    | ASTM D 2697 | 87-89%                                      |
| Weight Solids                                    | ASTM D 1644 | 88-90%                                      |
| Volatile Organic Content                         | ASTM D 3960 | < 40 g/l                                    |
| Viscosity  | ASTM D 2196 | 3,000-6,000 cp                              |
| Solar Reflectance                                | ASTM C 1549 | 86%   |
| Thermal Emittance                                | ASTM C 1371 | 88%   |
| SRI (Solar Relective Index)                      | ASTM E 1980 | 108   |

<sup>1</sup> Data is for AlphaGuard MT System

#### Skin & Over-Coat Times

|  |             |
|--|-------------|
| <b>Skin Time at:</b> 85 °F (29 °C) / 70% RH      | < 1 hour    |
| 68 °F (18 °C) / 70% RH                           | 2-3 hours   |
| 50 °F (10 °C) / 70% RH                           | 4-6 hours   |
| <b>Over-Coat Time at:</b> 85 °F (29 °C) / 70% RH | 2-4 hours   |
| 68 °F (18 °C) / 70% RH                           | 6-10 hours  |
| 50 °F (10 °C) / 70% RH                           | 16-18 hours |

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**

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