



# ALPHAGUARD® MT TOP COAT

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

## DESCRIPTION

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.

## FEATURES & BENEFITS

- High Solar Reflectance for white colour: Leads to reduced solar heat build
- Single Component: No mixing of A and B component
- Moisture Triggered: No carbon dioxide generated during cure, lead to reduced blistering and pinholing
- Aliphatic Urethane: Excellent weathering resistance
- Low VOC and Low Odour

## PACKAGING

18.9 L (5.0 gallon) and 7.57 L (2.0 gallon) containers

## COLOURS

High Gloss White. Black, Dark Grey, Medium Grey, Light Grey, Beige, Patina Green, Safety Yellow, Sand, Garnet. Custom colour available on request.

## COVERAGE

AlphaGuard MT Top Coat: 0.8 L/m<sup>2</sup>  
Non-Skid Coat: 0.5 L/ m<sup>2</sup>

## INSTALLATION

Even though AlphaGuard MT Top Coat is a single component product it still requires some mixing to make sure that any liquid and pigment separation that may have occurred during shipping or storage is eliminated. Before use, mix the AlphaGuard TC using a slow speed, high torque drill equipped with a jiffy type mixing paddle for 2-3 minutes. Take care to keep the paddle submersed in the liquid during mixing. Raising the paddle in and out of the liquid can introduce air into the coating which can lead to pinholes in the cured coating.

Please refer to the Method Statement for the coating system being applied for detailed installation instructions including recommended thicknesses, detailing work etc.

## LIMITATIONS

- Do not apply when ambient temperatures are below 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.

## WARRANTY

Tremco 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 makes no other warranty, expressed or implied, including warranties of MERCHANTABILITY and FITNESS FOR A PARTICULAR PURPOSE, with respect to Tremco Membranes. Tremco's sole obligation shall be, at its option, to replace, or refund the purchase of the quantity or Tremco Membranes proved to be defective and Tremco shall not be liable for any loss or damage.

| PROPERTY  | TEST METHOD   | TYPICAL VALUE                                  |
|---|---------------|--|
| Dynamic Puncture Resistance <sup>1</sup>            | ASTM D 5635   | > 30 Joules                                    |
| Static Puncture Resistance <sup>1</sup>             | ASTM D 5602   | > 30 kg  |
| Tensile Strength                                    | ASTM D 412    | > 9 MPa  |
| Elongation at Break                                 | ASTM D 412    | > 250%   |
| Indentation Hardness                                | ASTM D 2240   | > 80 durometer units                           |
| Tear Resistance                                     | ASTM D 624    | > 25 kN/m                                      |
| Water Vapor Transmission <sup>1</sup>               | ASTM E 96     | 0.020 perm-in.<br>(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 Reflective Index)                        | ASTM E 1980   | 108  |
| <i><sup>1</sup>Data is for AlphaGuard MT System</i> |               |  |
| Skin time at:                                       | 29°C / 70% RH | < 1 hour                                       |
|   | 18°C / 70% RH | 2 – 3 hours                                    |
|   | 10°C / 70% RH | 4 – 6 hours                                    |
| Over-coat time at:                                  | 29°C / 70% RH | 2 – 4 hours                                    |
|   | 18°C / 70% RH | 6 – 10 hours                                   |
|   | 10°C / 70% RH | 16 – 18 hours                                  |

To find your local office address and contact details, visit

[www.tremcocpg-asiapacific.com](http://www.tremcocpg-asiapacific.com)

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