



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/m²
Non-Skid Coat: 0.5 L/ m²

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 ¹	ASTM D 5635	> 30 Joules
Static Puncture Resistance ¹	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 ¹	ASTM E 96	0.020 perm-in. (5.16 g/m ² /day)
Accelerated Weathering – 5,000 hrs ¹	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>¹Data 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

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