

AlphaGuard[®] MTS Base Coat



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

FEATURES

Moisture Triggered Cure
 High Solids Content
 Single Component
 Low Odor
 Low VOC
 Versatile

BENEFITS

- Uniform cure
- Resists foaming, blisters & pinholes
- Resists wash off
- Yields more dry waterproofing than lower solids products
- No mixing of multiple components
- Perfect option for odor sensitive accounts/facilities
- Meets all VOC regulation limits
- Suitable for use over many substrates/roof types

DESCRIPTION:

The AlphaGuard MTS Base Coat is a one-part, moisture triggered, polyurethane roof coating. AlphaGuard MTS Base Coat is used with polyester or fiberglass mat reinforcement.

BASIC USES:

The AlphaGuard MTS Base Coat can be used in a variety of applications, including restoration of approved existing roofing substrates, application to structural concrete roof decks, IRMA and vegetative roof systems.

PACKAGING:

5 gallon (18.9 L) containers

COLOR:

Gray

GRADE:

Brush / Roller / Squeegee / Spray

STORAGE LIFE:

9 months in unopened containers. 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 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.

Storage life could be affected if the product is not stored properly.

APPLICATION:

Preparation: Clean the substrate utilizing Tremco's RoofTec Cleaning System or with a high pressure power wash of at least 2000 psi (13.8 MPa). Prior to application, surface must be clean, dry, solid, and free of dirt, grease, oil, algae, and other debris.

Mixing: No mixing is necessary before use.

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



ACCEPTABLE ROOF SURFACES/SUBSTRATES:

Smooth BUR	Gravel BUR	Concrete	Modified Bitumen	Metal	Single Ply	SPUF	Walls
●		●	●		●		

AlphaGuard[®] MTS Base Coat

	COVERAGE RATE:	3.0 gal/SQ (48 wet mils), (1.2 L/m ²). Granule surfaced MB: 4.0 gal/SQ (64 wet mils), (1.6 L/m ²).																																																																			
	LIMITATIONS:	<ul style="list-style-type: none"> • Do not apply when ambient temperatures are below 50°F (10°C) • Do not apply when precipitation is imminent. • Do not apply when dew point is within 5°F (-15°C) of ambient temperatures • 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 fiber decks. • Not for use over coal tar pitch, gravel BUR, corrugated metal roof systems or silicone-based coatings and sealants. • Do not apply to structural concrete deck without using a primer. 																																																																			
	CLEAN UP:	Before the product cures, clean surfaces and equipment with mineral spirits or xylene.																																																																			
	PRECAUTIONS:	Use Tremco AlphaGuard MTS System Coatings with adequate ventilation. Users must read container labels and Material Safety Data Sheets for health and safety precautions prior to use.																																																																			
	PHYSICAL PROPERTIES:	<table border="1"> <thead> <tr> <th>Physical Property</th> <th>Test Method</th> <th>Typical Value</th> </tr> </thead> <tbody> <tr><td>Tensile Strength</td><td>ASTM D412</td><td>1,435 psi** (9.9 MPa)</td></tr> <tr><td>Elongation</td><td>ASTM D5147</td><td>351%**</td></tr> <tr><td>Flexibility - 1/8" Mandrel Bend</td><td>ASTM D522</td><td>Pass</td></tr> <tr><td>Tear Resistance</td><td>ASTM D624</td><td>242 lbf/in* (42.4 N/mm)</td></tr> <tr><td>Peak Load</td><td>ASTM D5147</td><td>447 lbf/in* (78.4 N/mm)</td></tr> <tr><td>Breaking Strength</td><td>ASTM D751</td><td>244 lbf/in* (42.8 N/mm)</td></tr> <tr><td>Hardness</td><td>ASTM D2240</td><td>85 Shore A**</td></tr> <tr><td>Dynamic Puncture Resistance</td><td>ASTM D5635</td><td>50 J*</td></tr> <tr><td>Static Puncture Resistance</td><td>ASTM D5602</td><td>95 lbf* (43.1 kg)</td></tr> <tr><td>Water Absorption</td><td>ASTM D95</td><td>0.1%*</td></tr> <tr><td>Permeability</td><td>ASTM E96</td><td>0.021 perm-inch (1.2ng/s•m²•Pa)</td></tr> <tr><td>Water Vapor Permeance</td><td>ASTM E96</td><td>2.4 perms (1.6 metric perms)</td></tr> <tr><td>Dimensional Stability</td><td>ASTM D1204</td><td>0.0%*</td></tr> <tr><td>Accelerated Weathering</td><td>ASTM G154</td><td>Pass</td></tr> <tr><td>Fungi Resistance</td><td>ASTM G21</td><td>Pass (Zero Rating)</td></tr> <tr><td>Low Temperature Flexibility</td><td>ASTM D5147</td><td>Pass at -45°F (-42.8°C)</td></tr> <tr><td>Crack Spanning</td><td>ASTM D5849</td><td>Pass - 2mm / 0.08 in</td></tr> <tr><td>Volume Solids</td><td>ASTM D2697</td><td>87 - 89%</td></tr> <tr><td>Weight Solids</td><td>ASTM D1644</td><td>88 - 90%</td></tr> <tr><td>Volatile Organic Content (VOC)</td><td></td><td>42 g/L</td></tr> <tr><td>Viscosity</td><td>ASTM D2196</td><td>1,500 - 4,000 cps (mPas)</td></tr> </tbody> </table>	Physical Property	Test Method	Typical Value	Tensile Strength	ASTM D412	1,435 psi** (9.9 MPa)	Elongation	ASTM D5147	351%**	Flexibility - 1/8" Mandrel Bend	ASTM D522	Pass	Tear Resistance	ASTM D624	242 lbf/in* (42.4 N/mm)	Peak Load	ASTM D5147	447 lbf/in* (78.4 N/mm)	Breaking Strength	ASTM D751	244 lbf/in* (42.8 N/mm)	Hardness	ASTM D2240	85 Shore A**	Dynamic Puncture Resistance	ASTM D5635	50 J*	Static Puncture Resistance	ASTM D5602	95 lbf* (43.1 kg)	Water Absorption	ASTM D95	0.1%*	Permeability	ASTM E96	0.021 perm-inch (1.2ng/s•m ² •Pa)	Water Vapor Permeance	ASTM E96	2.4 perms (1.6 metric perms)	Dimensional Stability	ASTM D1204	0.0%*	Accelerated Weathering	ASTM G154	Pass	Fungi Resistance	ASTM G21	Pass (Zero Rating)	Low Temperature Flexibility	ASTM D5147	Pass at -45°F (-42.8°C)	Crack Spanning	ASTM D5849	Pass - 2mm / 0.08 in	Volume Solids	ASTM D2697	87 - 89%	Weight Solids	ASTM D1644	88 - 90%	Volatile Organic Content (VOC)		42 g/L	Viscosity	ASTM D2196	1,500 - 4,000 cps (mPas)	
Physical Property	Test Method	Typical Value																																																																			
Tensile Strength	ASTM D412	1,435 psi** (9.9 MPa)																																																																			
Elongation	ASTM D5147	351%**																																																																			
Flexibility - 1/8" Mandrel Bend	ASTM D522	Pass																																																																			
Tear Resistance	ASTM D624	242 lbf/in* (42.4 N/mm)																																																																			
Peak Load	ASTM D5147	447 lbf/in* (78.4 N/mm)																																																																			
Breaking Strength	ASTM D751	244 lbf/in* (42.8 N/mm)																																																																			
Hardness	ASTM D2240	85 Shore A**																																																																			
Dynamic Puncture Resistance	ASTM D5635	50 J*																																																																			
Static Puncture Resistance	ASTM D5602	95 lbf* (43.1 kg)																																																																			
Water Absorption	ASTM D95	0.1%*																																																																			
Permeability	ASTM E96	0.021 perm-inch (1.2ng/s•m ² •Pa)																																																																			
Water Vapor Permeance	ASTM E96	2.4 perms (1.6 metric perms)																																																																			
Dimensional Stability	ASTM D1204	0.0%*																																																																			
Accelerated Weathering	ASTM G154	Pass																																																																			
Fungi Resistance	ASTM G21	Pass (Zero Rating)																																																																			
Low Temperature Flexibility	ASTM D5147	Pass at -45°F (-42.8°C)																																																																			
Crack Spanning	ASTM D5849	Pass - 2mm / 0.08 in																																																																			
Volume Solids	ASTM D2697	87 - 89%																																																																			
Weight Solids	ASTM D1644	88 - 90%																																																																			
Volatile Organic Content (VOC)		42 g/L																																																																			
Viscosity	ASTM D2196	1,500 - 4,000 cps (mPas)																																																																			
	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.																																																																			

* Values reflect reinforced AlphaGuard MTS system testing.
**Values pending third-party testing results.



7193
7/31/18

www.tremcoroofing.com
3735 Green Road
Beachwood, Ohio 44122
1.800.852.6013

50 Beth Nealson Drive
Toronto, Ontario M4H 1M6
1.800.668.9879

AlphaGuard is a U.S. registered trademark of Tremco Incorporated.

The information provided on this data sheet is effective as of July 2018 and supersedes all previous data concerning this product and its application.

The Statements provided concerning the materials shown are intended solely as a general guide for material usage and are believed to be true and accurate. Since the manner of use is beyond our control, Tremco DOES NOT MAKE NOR DOES IT AUTHORIZE ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PURPOSE, OR ANY OTHER WARRANTY, GUARANTEE OR REPRESENTATION, EXPRESSED OR IMPLIED, CONCERNING THIS MATERIAL EXCEPT THAT IT CONFORMS TO TREMCO'S PRODUCT SAMPLE. Buyer and user accept the product under those conditions and assume the risk of any failure, injury of person or property and loss or liability resulting from the handling, storage or use of the product, whether or not it is handled, stored, used in accordance with directions or specifications. UNDER NO CIRCUMSTANCES SHALL TREMCO BE LIABLE FOR CONSEQUENTIAL OR INCIDENTAL DAMAGES ARISING FROM ANY BREACH OF WARRANTY. IN ALL CASES, TREMCO'S LIABILITY IS LIMITED, AT TREMCO'S OPTION, TO THE REPLACEMENT OF GOODS, OR THEIR VALUE, PROVEN TO BE DEFECTIVE IN MANUFACTURING.