

AlphaGuard® MT Base Coat

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

Composition: The AlphaGuard MT Base Coat is a one-part, moisture triggered, polyurethane roof coating. AlphaGuard MT Base Coat is used with fiberglass mat reinforcement.

Basic Uses: The AlphaGuard MT Base Coat can be used in a variety of projects, ranging from rooftops, IRMA and vegetative roof systems.

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, 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.

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"> • Resists Foaming, blisters & pinholes • Resists Wash off • Uniform Cure
Single component	<ul style="list-style-type: none"> • No blending of multi-components
Versatile	<ul style="list-style-type: none"> • Suitable for use over many substrates/roof types
Resistant to biological attack	<ul style="list-style-type: none"> • Prevents degradation due to algae and other microorganisms
Low VOC	<ul style="list-style-type: none"> • Low Odor • Meets California VOC limits • Can be used in limited access areas
Chemical Resistant	<ul style="list-style-type: none"> • Resistant to a wide variety of harmful chemicals

Colors: Gray

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: Clean the substrate with a high pressure power wash of at least 2000 psi. 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 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 ROOF SURFACES/SUBSTRATES:

Bituminous Roof Systems

AlphaGuard MT can be used over aged asphalt based roof products. When using over felt roof systems, repair any blisters and degraded felts.

Wood

Wood can be coated with AlphaGuard MT, provided it is a small protrusion or wall area that has been primed.

Concrete

AlphaGuard MT can be used directly over concrete with the appropriate primer. Any cracks should be repaired before coating is applied. Allow new concrete to fully cure for a minimum of 28 days (a concrete dryness test should be performed before application).

Single Ply Systems

AlphaGuard MT can be used over select single ply systems, when used with the appropriate primer. Consult with your Tremco Representative to decide which primer should be used.



Roofing & Weatherproofing Peace of Mind™

Coverage Rate: 3.0 gal/SQ (48 wet mils)
Granule surfaced MB: 4.0 gal/SQ (64 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 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.

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.

Physical Performance Characteristics		
AlphaGuard MT Base Coat		
Property	Test Method	Typical Value
Dynamic Puncture Resistance ¹	ASTM D 5635	830 ft. poundals (35 J)
Static Puncture Resistance ¹	ASTM D 5602	75 lbs. (34 kg)
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	< 35 g/l
Viscosity	ASTM D 2196	3,000-6,000 cp
<i>¹ Data is for AlphaGuard MT System</i>		
Skin & Over-Coat Times		
Skin Time at: 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
Over-Coat Time at: 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

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 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.

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