

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 Concrete Modified Bitumen Single Ply



COVERAGE RATES

3.0 gal/SQ (48 wet mils), (1.2 L/m²).

Granule surfaced MB: 4.0 gal/SQ (64 wet mils), (1.6 L/m²).

CLEAN UP

Before the product cures, clean surfaces and equipment with mineral spirits or xylene.

AlphaGuard® MTS Base Coat

LIMITATIONS

- 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 (2.7°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.

PHYSICAL PROPERTIES

PROPERTY	TYPICAL VALUE	TEST METHOD
Tensile Strength	1,435 psi** (9.9 MPa)	ASTM D412
Elongation	351%**	ASTM D5147
Flexibility - 1/8" Mandrel Bend	Pass	ASTM D522
Tear Resistance	242 lbf/in* (42.4 N/mm)	ASTM D624
Peak Load	447 lbf/in* (78.4 N/mm)	ASTM D5147
Breaking Strength	244 lbf/in* (42.8 N/mm)	ASTM D751
Hardness	85 Shore A**	ASTM D2240
Dynamic Puncture Resistance	50 J*	ASTM D5635
Static Puncture Resistance	95 lbf* (43.1 kg)	ASTM D5602
Water Absorption	0.1%*	ASTM D95
Permeability	0.021 perm-inch (1.2ng/s•m ² •Pa)	ASTM E96
Water Vapor Permeance	2.4 perms (1.6 metric perms)	ASTM E96
Dimensional Stability	0.0%*	ASTM D1204
Accelerated Weathering	Pass	ASTM G154
Fungi Resistance	Pass (Zero Rating)	ASTM G21
Low Temperature Flexibility	Pass at -45°F (-42.8°C)	ASTM D5147
Crack Spanning	Pass - 2mm / 0.08 in	ASTM D5849
Volume Solids	87 - 89%	ASTM D2697
Weight Solids	88 - 90%	ASTM D1644
Volatile Organic Content (VOC)	42 g/L	
Viscosity	1,500 - 4,000 cps (mPas)	ASTM D2196

* Values reflect reinforced AlphaGuard MTS system testing.

**Values pending third-party testing results.

MAINTENANCE

Your local Tremco Roofing sales 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.

PRECAUTIONS

Users must read container labels and Safety Data Sheets for health and safety precautions prior to use.

TECHNICAL SUPPORT

Your local Tremco Roofing sales representative, working with the Technical Service Staff, can help analyze conditions and needs to develop recommendations for special applications.



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