



TECHNICAL DATA SHEET

VULKEM® AT

Part of the Vulkem® Roofing Series
Single-Component, Low-VOC,
Moisture Cured Coating

PRODUCT DESCRIPTION

The Vulkem AT roofing system is a single-component, low-odor, fully reinforced roofing and waterproofing system that can be used to restore and replace existing roofing systems. This atmosphere triggered polyurethane, reacts with moisture from the environment to quickly cure, allowing a quick return to service, keeping roofs operational.

BASIC USES

Vulkem AT is suitable for substrates including concrete, BUR smooth, MB smooth, MB granule and singleply, making it an effective solution for new construction and restoration projects.

FEATURES & BENEFITS

- The high reflectivity of Vulkem AT aids in lowering roof top temperatures, minimizing stress on HVAC systems and increases the potential for energy savings.
- Vulkem AT is formulated with low VOCs and low-odor, making it a highly effective solution for odor-sensitive projects.
- Designed with compatibility in mind, Vulkem AT can be installed over a variety of roof substrates, making it an ideal solution for both new construction and restoration projects.
- The high solids content of Vulkem AT ensures applied mil thicknesses are retained from the application of the waterproofing membrane through the full curing cycle.
- Vulkem AT pulls moisture from the atmosphere and environment to quickly cure the membrane.

AVAILABILITY

Immediately available from your local Tremco Sales Representative, Tremco distributor, or Tremco warehouse.

PACKAGING

Base Coat 5-gal (19-L) pails
Top Coat 5-gal (19-L) pails

COLOR

Base Coat: Gray
Top Coat: White

STORAGE

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

LIMITATIONS

- All surfaces material will be applied on must be sound, clean, free of standing water and free of contamination.
- Not for use over Cementitious wood fiber, poured-in-place gypsum, structural lightweight or lightweight insulating concrete, and wood decks (includes plywood, tongue and groove, etc.), asphalt-based or coal tar gravel surfaced BUR systems, clay tile, corrugated or standing seam metal roof systems, expanded or extruded polystyrene insulation, fluoropolymer finished metal, shingles, silicone-based products, and tar-based products.
- Do not apply in falling precipitation or when precipitation, fog or dew is imminent prior to cure of the product.
- Do not thin.
- Substrate must be at least 50 °F (10 °C) but no more than 130°F (54°C).
- Ambient temperature must be a minimum of 50°F (10°C) but not surpass 110°F (43°C) during application.

- Do not apply when dew point is within 5°F (3 °C) of the ambient temperature.
- Do not apply when the temperature could fall below 32°F (0°C) within 24 hours after application.
- Do not allow to freeze.
- Not for use under continuous immersion.
- For compatibility information and any project specific recommendations on tie-ins and terminations, please contact your local Tremco Sales Representative.
- Necessary safety equipment and fall prevention steps should be used to prevent any fall injuries.

WARRANTY

A repair or replacement warranty is available on all Tremco products. Visit <https://www.tremcosealants.com/warranties/> for details.

TYPICAL PHYSICAL PROPERTIES

Solids	89% by weight 89% by volume	
Application Temperature	50 °F (10 °C) to 110 °F (43 °C)	
Skin Time	1 hrs @ 85°F (29°C) 70% RH 2-3 hrs @ 68°F (20°C) 70% RH 4-6 hrs @ 50°F (10°C) 70% RH	
Over Coat Time	2-4 hrs @ 85°F (29°C) 70% RH 6-10 hrs @ 68°F (20°C) 70% RH 16-18 hrs @ 50°F (10°C) 70% RH	
VOC	<50 g/L	
PROPERTY	TEST METHOD	TYPICAL RESULTS
Abrasion Resistance	ASTM D4060	35 mg
Accelerated Weathering (4,500 hrs)	ASTM G154	Pass
Breaking Strength	ASTM D751	240 lbf/in
Crack Spanning	ASTM C1305	Pass (2 mm/ 0.08 in)
Dimensional Stability	ASTM D1204	0%
Dynamic Puncture Resistance	ASTM D5635	50 J
Elongation	ASTM D412	250%
Flexibility	ASTM D522	Pass @ -40°F
Indentation Hardness	ASTM D2240	77 Shore A
Low Temperature Flexibility	ASTM D5147	Pass @ -50°F
Peak Load	ASTM D5147	445 lbf/in
Permeance	ASTM E96	0.021 perm in
Static Puncture Resistance	ASTM D5602	95 lbf
Tear Strength	ASTM D751	215 lbf
Tensile Strength	ASTM D412	1,840 psi
Water Absorption	ASTM D95	0.1%
Water Vapor Transmission	ASTM E96	16 g/m ² per day

Please refer to our website at www.tremcosealants.com for the most up-to-date Product Data Sheets.

NOTE: All Tremco Safety Data Sheets (SDS) are in alignment with the Globally Harmonized System of Classification and Labelling of Chemicals (GHS) requirements.

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Tremco Construction Products Group (CPG) brings together Tremco CPG Inc. and its Dryvit and Nudura brands; Willseal; Prebuck LLC; Tremco Barrier Solutions, Inc.; Weatherproofing Technologies, Inc. and its Pure Air Control Services and Canam Building Envelope Specialists offerings; and Weatherproofing Technologies Canada, Inc.



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