



PRODUCT DESCRIPTION

Vulkem® XTR Pro Series non-sag sealant is formulated with an advanced polyurethane technology that provides long-term extreme performance in even the most extreme applications. It offers an extraordinarily flexible, durable seal in moving joints and exhibits tenacious adhesion to most common construction substrates, including wood, aluminum, metals, vinyl, glass, concrete, brick, stone, mortar, stucco, plastic, flexible flashing, fiber cement, PVC, and more.

Vulkem® XTR Pro Series is capable of withstanding +100/-50% joint movement in typical field conditions, such as expansion and control joints, precast concrete panel joints, perimeter caulking (windows, doors, and panels), aluminum, masonry, vinyl siding, and more. It's ideal for the toughest projects, including below grade waterproofing, damp and green concrete, vehicular traffic bearing applications, water immersion applications, and fluid applied flashing applications.

Low VOC. UV stable. Won't crack, craze, or yellow under extreme UV exposure. Mold and mildew resistant. Vertical and horizontal use. Interior and exterior applications. Above grade and below grade applications.

BASIC USES

Vulkem® XTR Pro Series has been tested and proven in the most demanding conditions. With extreme flexibility, stretch, adhesion, and durability, you can count on it to deliver superior results for the toughest construction applications and common DIY projects, including:

- Perimeter caulking (windows, doors, and panels)
- Siding, gutters, ducts, vents, and flashing
- Expansion and control joints
- Corner and butt joints
- Precast concrete panel joints
- Metal panels
- Crack sealing
- Interior and exterior trim and fixtures
- Interior thresholds and joints
- Vehicular traffic bearing applications
- Damp and green concrete
- Door and curtain wall applications
- Water immersion applications
- Below grade waterproofing
- Fluid applied flashing material in rough opening perimeters for fenestration

FEATURES AND BENEFITS

Vulkem® XTR Pro Series is formulated with an innovative polymer technology that allows it to be highly versatile and grants its unique capabilities.

- Up to 900% elongation.
- +100/-50% movement capability¹.
- -40 °F to 180 °F service temperature.
- Extreme adhesion, tear strength, and durability.
- 9x stretch – sealant stretches 9 times the applied length.

- Ideal for both above grade and below grade applications.
- UV stable – won't crack, craze, or yellow under extreme UV exposure.
- Creates a waterproof seal that remains permanently flexible over the life of the sealant.
- Adheres to damp and green concrete without outgassing.
- Jet fuel resistant.
- Rain ready in 2-3 hours.
- Skin time: 2-3 hours.
- Tack free time: 6-8 hours.
- Full cure in 3-5 days (for ¼" bead at 75°F)
- Low VOC.
- Paintable.
- Vertical & horizontal use.
- Interior & exterior use.
- Compatible with and can be coated over with many coatings, air barrier products, and cold fluid-applied below-grade waterproofing products. (Always check compability prior to use.)

Vulkem® *XTR* Pro Series meets or exceeds the requirements of the following specification:

- ASTM C920 Type S, Grade NS, Class 50, Use NT, T, M, A, O, I

APPLICATION INSTRUCTIONS

Apply to sound, clean, frost-free surface within application temperature range (40 °F to 100 °F). Ensure that any necessary backer rod is properly friction-fitted and that any primers have been applied. Cut cartridge nozzle tip at a 45° angle to desired bead size and puncture inner seal. Install in cartridge gun. Fill the joint completely with a proper width-to-depth ratio, then tool to ensure intimate contact of sealant with joint substrates. Dry tooling is always preferred. Use a bead of sealant to cap the nozzle for storage.

Clean-up: use mineral spirits or xylene to remove uncured sealant.

AVAILABILITY

10.1 oz (300 mL) cartridges are available from select retailers.

COLORS

Available in White and Gray.

LIMITATIONS

¹ASTM C719 (Modified without water immersion). Movement capability is +100/-50% for applications excluding long-term water immersion. Movement capability for long-term water immersion applications is +/-50%.

Vulkem® *XTR* Pro Series is not recommended for use in chlorinated, potable, heavy, or wastewater.

Prior to use, Vulkem® *XTR* Pro Series should be stored in its original, unopened, undamaged packaging in a clean, dry, protected location with temperatures between 40 to 110 °F (5 to 43 °C). Once the packaging is opened, the material will begin to cure. Preserving the sealant from developing an undesired cure can be achieved by promptly closing the sealant's container immediately after completion of use, this can be achieved by capping the nozzle with a bead of sealant.

Use with adequate ventilation. Always review the Safety Data Sheet prior to use.

Vulkem® *XTR* Pro Series should only be used in approved applications. For best results, apply to clean, dry, frost-free surface within application temperature range (40 °F to 100 °F). Surfaces must be sound and clean. All release agents, existing waterproofing, dust, loose mortar, paints, other finishes, or field applied coatings must be removed. Joint width should be 4 times anticipated movement but not less than 1/4". For a cleaner finish, mask the sides of the joint with tape prior to filling.

Although Vulkem® XTR Pro Series is paintable with latex paints, this does not imply adhesion to or compatibility with all paints. The sealant must be fully cured before any application of paint. Coating over the sealant before it cures restricts/inhibits the sealant from curing and may adversely affect the coating of paint. Contact Tremco Technical Service at 866-209-2404 with any questions.

Any reference to the life of a sealant is dependent on expected use in approved applications, adherence to product instructions, suitability of conditions during application, and adherence to industry standard practices. The life of the sealant is not guaranteed and will vary based on these conditions. To achieve the suggested life of performance, use the product as directed. When used as directed and under suggested conditions, the typical lifespan of Vulkem® XTR Pro Series is 8 to 10 years.

TYPICAL PHYSICAL PROPERTIES

PROPERTY	TESTMETHOD	TYPICAL RESULTS
Rheological Properties	ASTM C639	Non-sag (NS), 0" of sag in channel
Hardness Properties	ASTM C661	40 ±5
Weight Loss	ASTM C1246	Pass
Skin Time	ASTM C679	2 to 3 hr
Tack Free Time	73.4°F(23°C) 50% RH	6 to 8 hr
Stain and Color Change	ASTM C510	Pass
Adhesion to Concrete	ASTM C794	35 pli
Adhesion to Concrete After Immersion	ASTM C794	30 pli
Adhesion to Green Concrete	ASTM C794	>25 pli
Adhesion to Damp Concrete	ASTM C794	>20 pli
Effects of Accelerated Aging	ASTM C793	Pass
Movement Capability	ASTM C719	±50%
Movement Capability	ASTM C719 (Modified)	+100/-50%
Tensile Strength	ASTM D412	350 to 450 psi
% Elongation	ASTM D412	800 to 900%
Modulus at 100%	ASTM D412	75 to 85 psi
Tear Strength	ASTM D412	65 to 75 psi
Fungal Resistance	ASTM G21-15	Fungal Resistance = 0, No Growth
Service Temperature		-40 to 180 °F (-40 to 82 °C)
Application Temperature		40 to 100 °F (4 to 37 °C) *
Smoke Development, Fire Spread	ASTM E84	5, 5
Smoke Development, Fire Spread	CAN S102	10, 10
Crack Bridging	ASTM C1305	Pass
Nail Seal Ability	ASTM D1970 Section 7.9	Pass

For temperatures below 40 °F, please refer to the Technical Bulletin Cold Temperature Sealant Application Recommendations.

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

VXTR-DS/0626

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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