



One Component Polyurethane Sealant

FEATURES

Medium modulus
One Component
Smooth tooled finish
Non-sag
Compatible with many coatings
Extreme UV exposure resistance

BENEFITS

- Ideal for moving joints or expansion
- No mixing required, reducing hazards, and labor costs
- Aesthetically pleasing
- Can be used on vertical joints
- Upon curing, may be top coated
- Long performance life

DESCRIPTION:

TremSEAL Pro is a high-performance, high-movement, single-component, medium-modulus, low-VOC, UV-stable, non-sag, smooth tooled finish, polyurethane sealant.

BASIC USES:

TremSEAL Pro is a durable, flexible sealant that offers excellent performance in moving joints and exhibits tenacious unprimed adhesion once fully cured, to concrete, metal and wood surfaces. Typical applications for TremSEAL Pro include roof reglets, termination bars, coping joints, expansion and control joints, precast concrete panel joints, perimeter caulking (windows, doors and panels), aluminum, masonry and vinyl siding.

Not recommended for use in chlorinated, potable, heavy or waste water.

PACKAGING:

10.1 oz (300 mL) cartridges

COLOR:

White, Aluminum Stone, Bronze, Limestone

STORAGE LIFE:

1 year when stored at 40° to 100° F (5° to 43° C)

Store in original, undamaged packaging in a clean, dry, protected location with temperatures between 40° to 100° F (5° to 43° C).

APPLICATION STANDARDS:

TremSEAL Pro meets or exceeds the requirements of the following specifications:

- ASTM C920 Type S, Grade NS, Class 50, Ute NT, T, M, A, O, I
- US Federal Specification TT-S-00230C, Class A type II
- CAN/CGSB-19.13-M87
- International Code Council (ICC) Section R703.8 Flashing
- AAMA 714-15 Specification for Liquid-Applied Flashing

APPLICATION:

Substrate Preparation: Surfaces must be sound and clean. All release agents, existing waterproofing, dust, loose mortar, paints, other finishes or field applied coating must be removed. This can be accomplished with a thorough wire brushing, grinding, sandblasting, or solvent washing, depending on the contamination.

Tremco recommends that surface temperatures be 40° F (5° C) or above at the time the sealant must be applied.

Tooling: Is recommended immediately after application to insure firm, full contact with the joint interface. Dry tooling is preferred. For a cleaner finish, mask the sides of the joint with tape prior to filling.

APPLICATION:
(continued)

Coverage Rates: 308' of joint per gallon for a ¼" x ¼" (6 mm x 6 mm) joint, which corresponds to approximately 25 linear feet per cartridge.

Priming: TremSEAL Pro typically adheres to common construction substrates without primers. However, Tremco always recommends that a mock-up or field adhesion test be performed on the actual materials being used on the job to verify the need for a primer, proper cleaning and prep requirements. A description of the field adhesion test can be found in the appendix X1 of ASTM C1193, Standard Guide for Use of Joint Sealants.

Where required, use Geogard® Primer on porous substrates and AlphaGuard M-Prime for metals or plastics.

Application: TremSEAL Pro is easy to apply with conventional caulking equipment. Ensure that the closed cell polyethylene backer rod is fitted properly for friction and that any necessary primers have been applied. Avoid three side joint adhesion with either backer rods or bond breaker tape to ensure a long lasting installation.

Fill the joint completely with a proper width-to-depth ratio, and then tool to ensure intimate contact of sealant with joint substrates. The minimum width and depth of any sealant application should be ¼" x ¼" (6 mm x 6mm). The depth of sealant may be equal to width of joints less than ½" wide.

SKIN & OVERCOAT TIME:

2 hours with a tack-free time of 6 – 8 hours to significantly reduce dirt attraction.

Store in original, undamaged packaging in a clean, dry, protected location with temperatures between 40° to 100° F (5°-43° C).

CLEAN UP:

Excess sealant and smears adjacent to the joint interface can be carefully removed with mineral spirits before the sealant cures. Any utensils used for tooling can also be cleaned with mineral spirits.

PRECAUTIONS:

Use with adequate ventilation.

Always utilize the accompanying SDS for information on Personal Protective Equipment (PPE) and Health Hazards.

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.

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.

PHYSICAL PROPERTIES:

PROPERTY	TEST METHOD	TYPICAL VALUES
Solids		98%
Hardness Properties	ASTM C661	40 +/-5
Skin Time	ASTM C679	2 to 3 hr
Tack Free Time	73.4°F (23°C) 50% RH	6 to 8 hr
Adhesion to Concrete	ASTM C794	35 pli
Adhesion to Concrete After Immersion	ASTM C794	30 pli
Movement Capability	ASTM C719	+/-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
Service Temperature		-40° to 180 °F (-40° to 82 °C)
Application Temperature		40° to 100 °F (4° to 37 °C) *
VOC	ASTM D3960	40g/l



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