

TremSEAL[®] Pro

One Component Polyurethane Roofing Sealant

FEATURES

Medium modulus

One Component

Smooth tooled finish

Non-sag

Compatible with many coatings

Extreme UV 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 roofing sealant.

BASIC USES

TremSEAL Pro is a durable, flexible roofing 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
20.2 oz (600 mL) sausages

COLOR

White (ctg + ssg), Aluminum Stone (ctg + ssg), Bronze (ctg + ssg), Limestone (ctg only), Black (ctg + ssg)

STORAGE LIFE

1 year when stored at 40° to 110° F (5° to 43° C)

Store in original, undamaged packaging in a clean, dry, protected location with temperatures between 40° to 110° F (5° to 43° C).

COVERAGE RATE

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 and approximately 50 linear feet per sausage.

SKIN & OVERCOAT TIME

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

APPLICABLE 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
- NFPA 285 Listed Component

APPLICATION

Substrate Preparation: Surfaces must be sound and clean. All release agents, existing waterproofing, dust, loose mortar, paints or other finishes 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.

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APPLICATION CONTINUED

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.

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.

TremSEAL Pro can be used as a stand-alone sealant repair material. Following cure, TremSEAL Pro can be top coated with an approved Tremco product to extend the service life of the application.

TremSEAL Pro should be top-coated within 72 hrs of application. If cured sealant is exposed longer than 72 hrs prior to intended top coat, an application of Geogard Primer will be required to promote adhesion between coats.

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.

STORAGE

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.

PHYSICAL PROPERTIES

PROPERTY	TYPICAL VALUE	TEST METHOD
Solids	98%	
Hardness Properties	40 +/-5	ASTM C661
Skin Time	2 to 3 hr	ASTM C679
Tack Free Time	6 to 8 hr	73.4°F (23°C) 50% RH
Adhesion to Concrete	35 pli	ASTM C794
Adhesion to Concrete After Immersion	30 pli	ASTM C794
Movement Capability	+/-50%	ASTM C719
Tensile Strength	350 to 450 psi	ASTM D412
% Elongation	800 to 900%	ASTM D412
Modulus at 100%	75 to 85 psi	ASTM D412
Tear Strength	65 to 75 psi	ASTM D412
Service Temperature	-40° to 180 °F (-40° to 82 °C)	
Application Temperature	40° to 100 °F (4° to 37 °C) *	
VOC	40g/l	ASTM D3960

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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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