

TremSEAL® HP

A High Performance, Multi-Component Elastomeric Roofing Sealant

FEATURES

- Low modulus
- Excellent adhesion
- Non-sag
- Two component
- Compatible with a variety of coatings
- Resists UV, ozone and moisture

BENEFITS

- Ideal for moving joints
- Resists separation along bond line
- Can be used on vertical joints
- Predictable chemical cure
- Can be used with a variety of roof coatings and waterproofing membranes
- Long performance life and moisture

DESCRIPTION

TremSEAL® HP is a multi-component, non-sag, polyurethane roofing sealant. It is a general purpose sealant which offers a unique combination of maximum durability and excellent flexibility in a fast curing formulation. TremSEAL HP is available in a pretinted Limestone color or as a base which must be tinted using Tremco Universal Color Paks.

BASIC USES

TremSEAL HP is ideally suited for providing a weather-tight seal in dynamic joints in building components. Applications include vertical expansion joints, floor/wall junctions, reglet joints, masonry cracks, and a variety of other areas.

Because of its low modulus and high recovery, adhesion-breaking stress is minimized along the bond line when TremSEAL HP is used in working joints.

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

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

PACKAGING

TremSEAL HP is available in 2 gallon (7.5 L) containers, producing 1-1/2 gal (5.6 L) when mixed. TremSEAL HP is available in a pretinted Limestone color. TremSEAL HP is also available as a base which must be tinted with one (1) pouch of a Tremco Universal Color Pak (must be purchased separately). Included in each container is 1 unit of Curing Agent.

COLOR

Pretinted limestone is available. A wide range of Universal Color Paks are also available, such as precast white, white, aluminum/stone, black gray, buff and bronze.

GRADE

Gun grade consistency.

STORAGE

One year in unopened containers.

POT LIFE

6 to 8 hours at 75°F (24°C).

COVERAGE RATE

Consult a Sealant Volume Chart for more detailed info.

Per 1-1/2 gal (5.6 L) container:

- 462 lineal feet (141 m) for joint size 1/4" X 1/4" (6 mm X 6 mm).
- 115 lineal feet (35 m) for joint size 1/2" X 1/2" (13 mm X 13 mm).
- 46 lineal feet (14 m) for joint size 5/8" X 1" (16 mm X 25 mm).

CURE TIME

Initial Set: 16 to 24 hours at 75°F (24°C). Cure time increases by 1 day for every 10° F decrease in temperature.

TremSEAL® HP

Tack-Free Time: 2 days at 75°F (24°C), or 1 to 2 weeks at 40°F (4°C).

Meets U.S. Federal Specification TT-S-00227E, Class A, Type II, and ASTM C 920, Type M, Grade NS, Class 25, Use NT, M, A, and O. CAN/CGSB 19.24-M90 TYPE II, CLASS B.

Joint Design:

- Joint size should be four times the anticipated width.
- Sealant depth shall not exceed width for joints 1/2" (13mm) wide or less. For joints wider than 1/2" (13 mm), sealant depth shall be no less than 1/2" (13 mm) but no greater than 5/8" (16 mm).
- **Minimum joint size:** 1/4" X 1/4" (6 mm X 6 mm).
- **Maximum joint size:** 2" (50 mm) wide by 5/8" (16 mm) deep in single application.
- Consult your local Tremco Representative for specific design details.

APPLICATION DATA:

Surface Preparation: Substrate must be clean, sound, dry, and free of laitance and other foreign material. Protect adjacent areas with masking tape.

Masonry Surfaces: All previous sealants, dampproofing, mastics, or joint fillers must be removed by saw-cutting. Joint faces must then be ground to expose clean, sound masonry. Prime masonry with Geogard® Primer.

Metal Surfaces: Wipe clean to remove surface contaminants. Prime metal with Tremco Non-Porous Primer. Consult with your local Tremco Representative for surface preparation required for special finishes.

Joint Backing/Bond-breaker: Joints shall be backed with round closed-cell polyethylene, neoprene, or butyl rod under 30% compression. Where joint design or depth of joint will not permit the use of joint backing, a bondbreaker tape must be installed to prevent three-sided adhesion. An adhesive backed polyethylene tape should be used. Do not install more joint backing or bondbreaker tape than can be sealed during the same day.

Mixing: TremSEAL HP must be thoroughly mixed according to directions on container. Add 1 unit Curing Agent and 1 unit Color Pak to Base. Do not add Color Pak to the pretinted Limestone version. Mix with a low speed, heavy-duty drill (maximum 300 rpm) for not less than 6 minutes, using a two-blade mixing paddle.

Application: Apply TremSEAL HP with a standard bulk caulking gun. Fill joint completely. Apply at temperatures above 40°F (4°C).

Tooling: Immediately after application, tool TremSEAL HP to ensure firm, full contact with joint interfaces. Dry tooling is preferred, but tooling agents can be utilized. Care must be exercised to avoid contamination of open joints below.

Remove masking tape immediately after tooling, before sealant skins. Immediately use xylene or mineral spirits to clean tools and equipment, and to remove excess sealant adjacent to joint.

- Do not use in areas subject to harsh chemical spillage, such as acids alkalis, and organic solvents.
- Not for use in areas subject to temperatures in excess of 180°F (82°C).
- Do not use on joints subject to constant water immersion, such as swimming pools, reservoirs, or sewage treatment basins.
- Not for application to bituminous substrates.

PROPERTY	TYPICAL VALUE	TEST METHOD
Hardness (Shore A)	30±3	ASTM C-920-87
Bond durability (Mortar)	Pass	ASTM C-920-87
Staining	None	ASTM C-920-87
Service Temperature range	-40°F to 180°F (-40°C to 82°C)	

CURE TIME CONTINUED

APPLICABLE STANDARDS

APPLICATION

CLEAN UP

LIMITATIONS

PHYSICAL PROPERTIES

TremSEAL[®] HP

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.



www.tremcoroofing.com
3735 Green Road
Beachwood, Ohio 44122
1.800.852.6013

50 Beth Nealson Drive
Toronto, Ontario M4H 1M6
1.800.668.9879

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