

# TremSEAL® HP

## A High Performance, Elastomeric Sealant for Dynamic Joint Movement

**Composition:** TremSEAL® HP is a multi-component, non-sag, polyurethane joint sealant. It is a general purpose sealant which offers a unique combination of maximum durability, excellent flexibility, and outstanding aesthetics. 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 weathertight 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.

**Limitations:** 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.

**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.

**Grade:** Gun grade consistency.

**Colors:** 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.

**Storage Life:** One year in unopened containers.

**Applicable Standards:** 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 Primer #171.

**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.

<b>Product Advantages</b>	
<b>Features</b>	<b>Benefits</b>
Low modulus	• Ideal for moving joints
Excellent adhesion	• Resists separation along bond line
Non-sag	• Can be used on vertical joints
Two component	• Predictable chemical cure
Compatible with a variety of coatings	• Can be used with numerous flooring and waterproofing membranes
Resists UV, ozone and moisture	• Long performance life

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 bond-breaker tape must be installed to prevent three-sided adhesion. An adhesive backed polyethylene tape should be used. Do not install more joint backing or bond-breaker 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. Pot Life: 6 to 8 hours at 75°F (24°C).

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

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

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

Cleaning: Remove masking tape immediately after tooling, before sealant skins. Immediately use Xylene or Toluene to clean tools and equipment, and to remove excess sealant adjacent to joint.

Precautions: Users must read container labels and Material Safety Data Sheets for health and safety precautions prior to use.

Availability and Cost: Contact your local Tremco Roofing Representative for pricing and availability. For the name and number of your Representative, call the Roofing Division at 216/292-5000. In Canada, 416/421-3300.

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.

Guarantee/Warranty: Tremco, Inc. warrants TremSEAL HP to be free of defects and to meet published physical properties when tested according to ASTM and Tremco

## Physical Performance Characteristics

### TremSEAL HP

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)	

standards. Under this warranty, any product that is proved to be defective when applied in accordance with our written instructions, and in applications recommended by Tremco as suitable for this product will be replaced with like product at no charge. THIS IS BUYERS SOLE AND EXCLUSIVE REMEDY.

All claims concerning product defects must be made in writing within twelve (12) months of shipment. The absence of such claims in writing during this period will constitute a waiver of all claims with respect to such product. This warranty shall be IN LIEU OF any other warranty, express or implied, including but not limited to, any implied warranty of MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

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.

Statement of Policy and Responsibility: Tremco takes responsibility for furnishing quality materials and for providing specifications and recommendations for their proper installation.

As neither Tremco itself nor its Representatives practice architecture or engineering, Tremco offers no opinion on, and expressly disclaims any responsibility for the soundness of any structure on which its products may be applied. If questions arise as to the soundness of a structure or its ability to support a planned installation properly, the Owner should obtain the opinion of competent structural engineers before proceeding. Tremco accepts no liability for any structural failure or for resultant damages, and no Tremco Representative is authorized to vary this disclaimer.

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