



# P-TUFF® SEALANT HA

A Two Component, Rapid Setting, Self-Leveling Polyurea Caulking Compound

## 1.01 DESCRIPTION

P-Tuff® Sealant HA (Hand-Mix) is a two-component, modified-aliphatic, rapid-setting, self-leveling, 100% solids, polyurea caulking compound. Be sure to use the right product grade that complies with VOC regulations as per federal, state, statutory bodies, county and city regulations/codes at the place of installation of product.

## 1.02 FEATURES

- 100% Solids meets VOC Regulations
- Flexible
- Meets USDA Criteria
- Odorless
- Remains Flexible – Even in Cold Temperatures

## 1.03 TYPICAL USES

P-Tuff® Sealant HA is for small repairs on interior and exterior horizontal concrete surfaces. It is used to repair random cracks, control joints and other problem areas where downtime is limited.

- Food Processing Plants
- Airports
- Bridge Headers
- Spalls
- Freezers & Cold Storage
- Truck Aprons
- Waste Water Treatment Plants
- Grade Matching
- Parking Garage Decks
- Industrial/Manufacturing Facilities

## 1.04 COLOR

Gray

## 1.05 PACKAGING

1-gallon kit: One 1 gallon can (net fill 0.875 gallons or 3.31 liters) of Side-A and one 1 pint can (net fill 0.125 gallons or 0.47 liters) of Side-B.

## TECHNICAL DATA

(Based on draw down films).

Mixing Ratio by Volume	A:B 7:1
Shore A Hardness, ASTM D-2240	80 ± 4A
Elongation, ASTM D-412	600 ± 50%
Tensile Strength, ASTM D-412	2000 ± 200 psi (13.8 ± 1.4 mPa)
Gel Time @ 75°F (24°C), ASTM D-2471	4-5 minutes
Tear Strength, ASTM D-624	425 ± 50 pli 74.5 ± 8.8kNm
Total Solids by Weight, ASTM D-2369	100%
Total Solids by Volume, ASTM D-2697	100%

## 1.06 SURFACE PREPARATION

- Allow concrete to cure 28 days before installation.
- Saw cut the joint to ACI Recommendations.
- All joints must be clean and dry prior to installing P-Tuff® Sealant HA.
- If joint is damp, dry with heat torch.
- Remove all dust from the concrete pores prior to installing P-Tuff® Sealant HA.
- Ensure that all joint edges are at 90° angles to grade with no V-grooving or feather edges.

## 1.07 MIXING

- A. P-Tuff® Sealant HA may not be diluted under any circumstance. DO NOT ESTIMATE – proportions are premeasured.
- B. Pre-mix P-Tuff® Sealant HA Side-B material before combining with Side-A. Side-A material requires no mixing.
- C. Add Side-A to Side-B while mixing, using a mechanical mixer with a low speed drill and a “Jiffy” Mixer blade. Mix until a homogeneous mixture and color is obtained (at least 5 minutes).
- D. Use care to scrape the sides of the container to ensure that no unmixed material remains.
- E. Use caution not to whip too much air into the material as this may result in pinhole blisters or shortened pot life.

## APPLICATION

### 2.01 APPLICATION BASICS

One gallon of P-Tuff® Sealant HA will fill approximately 72 linear feet at 1/4” by 1” (22 meters at 0.63cm by 2.54 cm).

#### **DO NOT ESTIMATE – Proportions are Premeasured.**

P-Tuff® Sealant HA can be applied at environmental temperatures from 32°F (0°C) to as high as 135°F (57°C). The product needs to be conditioned at 75-80°F (24°-26.7°C) prior to use.

## 2.02 FINISHING

After applying P-Tuff® Sealant HA wait 5-6 hours, depending on temperature and humidity, before opening up to traffic. Slice off any over pour flush to the surface.

## 2.03 CLEAN-UP

Cured product may be disposed of without restriction. Mix excess Side-A and Side-B material and allow to cure. Check local, state and federal laws before disposing of material.

## 2.04 STORAGE

P-Tuff® Sealant HA has a shelf life of one year from the date of manufacture; when stored indoors at a temperature between 60°F to 95°F (15°-35°C) and in the original factory sealed containers.

## 2.05 LIMITATIONS

- DO NOT dilute P-Tuff® Sealant HA under any circumstances.
- Do not use in cracks, construction joints or control joints if surface is subject to thermal cycling.
- Discoloration will occur if exposed to UV.

**WARNING: This product contains isocyanates and curatives.**

Please read all information in the General & Safety Guidelines, Technical Data Sheets, Guide Specifications and Safety Data Sheets (SDS) before applying material. PSI Products are for “Professional Use Only” and preferably applied by professionals who have prior experience with the PSI Products or have undergone training in application of PSI Products. Published technical data and instructions are subject to change without notice. Contact your local PSI representative or visit our website for current technical data, instructions, and project specific recommendations.

### **LIMITED WARRANTY**

PSI warrants its products to be free of manufacturing defects and that they will meet PSI current published physical properties. PSI warrants that its products, when properly installed by a state licensed waterproofing contractor according to PSI guide specifications and product data sheets over a sound, properly prepared substrate, will not allow water migration for a period of 12 months. Seller's sole responsibility shall be to replace that portion of the product which proves to be defective. There are no other warranties by PSI of any nature whatsoever expressed or implied, including any warranty of merchantability or fitness for a particular purpose in connection with this product. PSI shall not be liable for damages of any sort, including remote or consequential damages resulting from any claimed breach of any warranty whether expressed or implied. PSI shall not be responsible for use of this product in a manner to infringe on any patent held by others. In addition, no warranty or guarantee is being issued with respect to appearance, color, fading, chalking, staining, shrinkage, peeling, normal wear and tear or improper application by the applicator. Damage caused by abuse, neglect and lack of proper maintenance, acts of nature and/or physical movement of the substrate or structural defects are also excluded from the limited warranty. PSI reserves the right to conduct performance tests on any material claimed to be defective prior to any repairs by owner, general contractor, or applicator.

### **DISCLAIMER**

All guidelines, recommendations, statements, and technical data contained herein are based on information and tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty, either expressed or implied. It is the users responsibility to satisfy himself, by his own information and test, to determine suitability of the product for his own intended use, application and job situation and user assumes all risk and liability resulting from his use of the product. We do not suggest or guarantee that any hazard listed herein are the only ones which may exist. Neither seller nor manufacturer shall be liable to the buyer or any third person for any injury, loss or damage directly or indirectly resulting from use of, or inability to use, the product. Recommendations or statements, whether in writing or oral, other than those contained herein shall not be binding upon the manufacturer, unless in writing and signed by a corporate officer of the manufacturer. Technical and application information is provided for the purpose of establishing a general profile of the material and proper application procedures. Test performance results were obtained in a controlled environment and PSI makes no claim that these tests or any other tests, accurately represent all environments.

**POLY-TUFF SYSTEMS INTERNATIONAL CORPORATION MARCH 2017**