



P-TUFF® SEALANT HA (PTS 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. Please use the correct product grade that complies with VOC regulations as per federal, state, 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.

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

1.04 COLOR

Grey

1.05 PACKAGING

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

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.

TECHNICAL DATA (Based on draw down films)

Tear Resistance Die C, ASTM D-624	425 ± 50 pli (74.5 ± 8.8 kN/m)
Gel Time @ 75°F (24°C), ASTM D-2471	4-5 minutes
Hardness, ASTM D-2240 Shore A	80 ± 4
Total Solids by Weight, ASTM D-2369	100%
Total Solids by Volume, ASTM D-2697	100%
Elongation, ASTM D-412	600 ± 50%
Tensile Strength, ASTM D-412	2000 ± 200 psi (13.8 ± 1.4 mPa)
Volatile Organic Compounds, ASTM D-2369-81	0 lbs/gal (0 gm/liter)

1.07 MIXING

P-Tuff® Sealant HA may not be diluted under any circumstance. DO NOT ESTIMATE – proportions are premeasured.

Pre-mix P-Tuff® Sealant HA Side-B material before combining with Side-A. Side-A material requires no mixing. 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 attained (at least 5 minutes).

Use care to scrape the sides of the container to ensure that no unmixed material remains. 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 0.63 cm by 2.54 cm).

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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 SHELF LIFE AND STORAGE

P-Tuff® Sealant HA has a shelf life of 12 months from date of manufacture in original, factory-sealed containers when stored indoors at a temperature between 60-95°F (15-35°C).

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 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 and chemical properties. 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.

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