



P-Tuff® Sealant GG

A Two Component, Gun Grade, Non-Sag, Polyurethane Joint Sealant

1.01 DESCRIPTION

P-Tuff® Sealant GG is a two-component, gun-grade, 1:5 (A:B) ratio by volume, non-sag, 100% solids, polyurethane joint sealant. 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

- Odorless
- Flexible
- 100% Solids Meets VOC Regulations
- Cured Material Remains Flexible, Even In Cold Temperatures

1.03 TYPICAL USES

P-Tuff® Sealant GG is used on interior and exterior vertical concrete surfaces, to repair random cracks, control joints, and other areas where downtime is limited.

- Airports
- Bridge Headers
- Spalls
- Truck Aprons
- Grade Matching
- Saw Utility Cuts
- Parking Garage Decks
- Industrial/Manufacturing Facilities

1.04 COLOR

Concrete gray

1.05 PACKAGING

1.5-gallon kit: One 1 quart can of Side-A and one 2 gallon pail – net fill 1.25 gallons of Side-B.

1.06 SURFACE PREPARATION

- Allow concrete to cure 28 days before installation.
- All joints must be clean and dry prior to installing.
- If joint is damp, dry with heat torch.
- Remove all dust from the concrete pores prior to installing.
- Backer rod should be used in control joints to control the sealant depth. The depth of the sealant should be 1/2 the width of the joint not to exceed 1/2" and no less than 1/4".
- Construction joints are to be filled to full depth using no backer rod or silica sand.
- To repair T-joints, the joint should be cut a minimum of 25% of the total depth of the slab. The side of the T-joint must be cut 1-1/2" (3.81 cm) from the joint and a minimum of 1/2" (1.27 cm) deep.
- For random crack and spall repairs each side of the crack should be cut to create a minimum 1/2" (1.27 cm) deep vertical edge.
- Ensure that all joint edges are at 90° angles to grade with no V-grooving or feather edges.
- All surfaces must be primed with Enviro-Grip® EP#2 or Enviro-Grip® EBF-LV.

TECHNICAL DATA

(Based on draw down films).

Mixing Ratio (A:B) by Volume	1:5 (A:B)
Specific Gravity	
Side-A	1.14 ± 0.1
Side-B	1.20 ± 0.1
Viscosity at 80°F	
Side-A	50 ± 20 cps
Side-B	Thixotrope
Pot Life @ 77°F (25°C) 50% RH	40-60 minutes
Tack-Free Time @ 77°F (25°C) 50% RH	12 Hours
Cure Time @ 75°F (24°F), RH 50%	36-48 Hours
Shore A Hardness, ASTM D-2240	30 ± 5A
Tensile Strength, ASTM D-412	200 ± 50 psi (1.4 ± 0.3 mPa)
Elongation, ASTM D-412	600 ± 50%
Tear Strength, ASTM D-624	50 ± 5 pli (8.8 ± 0.8 kNm)
Total Solids by weight and volume	100%

1.07 MIXING

- A. P-Tuff® Sealant GG may not be diluted under any circumstance.
- B. Pre-mix P-Tuff® Sealant GG Side-B material before combining with Side-A. Note: 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 "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

Apply using a caulking gun, hand pressure-type or pour from container. This material can be applied at environmental temperatures from 40°F (4.4°C) to as high as 135°F (57° C). The product needs to be conditioned at 75-80°F (24-26°C) prior to use.

2.02 FINISHING

After applying P-Tuff® Sealant GG wait 36-48 hours, depending on temperature and humidity before open to traffic.

2.03 CLEAN-UP

Cured product may be disposed of without restriction. Mix excess

Coverage Rates - Linear Feet / Gallon

		WIDTH OF JOINT						
		1/4"	3/8"	1/2"	5/8"	3/4"	7/8"	1"
DEPTH OF JOINT	1/4"	308	205	154	123	102	88	77
	3/8"	205	136	102	82	68	58	51
	1/2"	154	102	77	61	51	44	38
	5/8"	123	82	61	49	41	35	30
	3/4"	102	68	51	41	34	29	25
	7/8"	88	58	44	36	29	25	22
	1"	77	51	38	30	25	22	19

Coverages and yields shown do not include allowances for loss or waste and variations in job conditions. Each user must establish his own factors for loss from experience.

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 GG 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.

2.06 LIMITATIONS

Do not use in cracks, construction joints or control joints if surface is subject to thermal cycling.

Discoloration will occur if exposed to UV, however no change will occur in the physical properties.

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.

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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.

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