



P-TUFF® SEALANT PG

A Two Component, Pourable Grade, 100% Solids Polyurethane Joint Sealant

1.01 DESCRIPTION

P-Tuff® Sealant PG is a self-leveling, two-component, 1:1 (A:B) ratio by volume, pourable-grade, 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 PG is used on interior and exterior horizontal concrete surfaces to repair random cracks and control joints.

- 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 gallon can, net fill 0.75 gallons (2.84 liters) of Side-A and one 2 gallon pail, net fill 0.75 gallons (2.84 liters) 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 P-Tuff® Sealant PG.
- If joint is damp, dry with heat torch.
- Remove all dust from the concrete pores prior to installing P-Tuff® Sealant PG.
- 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 2" (5.08 cm) and no less than 4" (10.16 cm).

TECHNICAL DATA

(Based on draw down films).

Mixing Ratio (by Volume)	A:B 1:1
Specific Gravity	
Side-A	1.02 ± 0.1
Side-B	1.44 ± 0.1
Viscosity at 80°F	
Part-A	65 ± 10 poise
Side-B	70 ± 10 poise
Pot Life @ 77°F (25°C) 50% RH	30-40 minutes
Tack-Free Time @ 77°F (25°C) 50% RH	12 Hours
Cure Time @ 77°F (25°C) , RH 50%	36-48 Hours
Shore A Hardness, ASTM D-2240	30 ± 5A
Tensile Strength, ASTM D-412	300 ± 50 psi (2.1 ± 0.3 mPa)
Elongation, ASTM D-412	800 ± 50 %
Tear Strength, ASTM D-624	50 ± 5 pli (8.8 ± 0.8 kNm)
Solids by Weight and Volume	100%

- 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.

1.07 MIXING

- A. P-Tuff® Sealant PG may not be diluted under any circumstance.
- B. Pre-mix P-Tuff® Sealant PG 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 PG 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 A and B material and allow to cure. Check local, state and federal laws before disposing of material.

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

2.04 STORAGE

P-Tuff® Sealant PG 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 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.

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