



# 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.**

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