



# P-TUFF® SEALANT GG (PTS 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 (1A:5B) ratio by volume, non sag, 100% solids, polyurethane-joint sealant. Please use the correct 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
- Cured Material Remains Flexible, Even In Cold Temperatures
- Flexible
- Odorless

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

## 1.04 COLOR

Concrete 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.
- 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" (1.27 cm) and no less than 1/4" (0.64 cm).
- 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

## TECHNICAL DATA (Based on draw down films)

Specific Gravity	A-Side: 1.14 ± 0.1 B-Side: 1.24 ± 0.1
Viscosity at 80°F (26°C)	A-Side: 50 ± 20 cps B-Side: Thixotrope
Mixing Ratio (A:B) by Volume	1:5 (A:B)
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
Hardness, ASTM D-2240 Shore A	30 ± 5
Tensile Strength, ASTM D-412	200 ± 50 psi (1.4 ± 0.3 mPa)
Tear Strength, ASTM D-624	50 ± 5 pli (8.8 ± 0.8 kN/m)
Elongation, ASTM D-412	600 ± 50%
Total Solids by weight and volume	100%

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

P-Tuff® Sealant GG may not be diluted under any circumstance.

Pre-mix P-Tuff® Sealant GG Side-B material before combining with Side-A. Note: Side-A material requires no mixing. 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).

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

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 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 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 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.**

## 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.

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