

## Product Description

Poly-Caulk® PX27SL (Self-Leveling) is a two component, 1:1 (A:B) ratio by volume, 100% solids polyurethane sealant.

### FEATURES

- » Odorless
- » Flexible
- » 100% Solids
- » Cured Material Remains Flexible, Even in Cold Temperatures

### TYPICAL USES

Poly-Caulk® PX27SL is used on interior and exterior horizontal concrete surfaces, to repair random cracks, control joints, and other areas where down time is limited.

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

### PACKAGING

- 1.5-gallon kit** One 1 quart (0.98 liter) can of Side-A and One 2 gallon pail, net fill 1.25 gallons (4.73 liters) of Side-B

### Color

Concrete Grey

### Coverage

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

### Surface Preparation

Allow concrete to cure 28 days before installation.

All joints must be clean and dry prior to installing Poly-Caulk® PX27SL. If joint is damp, dry with heat torch.

Remove all dust from the concrete pores prior to installing Poly-Caulk® PX27SL.

Backer rod should be used in control joints, the recommended depth is not greater than 25% of the total depth of the slab.

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 12" (20.4 cm) from the joint and a minimum of 2" (5.08 cm) deep.


For random crack and spall repairs, each side of the crack should be cut to create a minimum 2" (5.08 cm) deep vertical edge.

Ensure that all joint edges are at 90° angles to grade with no V-grooving or feather edges.

### TECHNICAL DATA (BASED ON DRAW DOWN FILM)

<b>Mix Ratio by Volume</b>	1A : 1B
<b>Specific Gravity,</b>	
Side-A	1.02 ± 0.1
Side-B	1.44 ± 0.1
<b>Viscosity at 75°F (24°C)</b>	
Side-A	65 ± 10 poise
Side-B	70 ± 10 poise
<b>Pot Life at 75°F (24°C), 50% R.H.</b>	2-3 hours
<b>Tack Free Time at 77°F (25°C), 50% R.H.</b>	12 hours
<b>Cure Time at 75°F (24°C), 50% R.H.</b>	36-48 hours
<b>Hardness, ASTM D-2240</b>	30 ± 5 Shore A
<b>Tensile Strength, ASTM D-412</b>	300 ± 50 psi 2.1 ± 0.3 MPa
<b>Elongation, ASTM D-412</b>	800 ± 50%
<b>Tear Strength, ASTM D-624</b>	50 ± 5 pli 8.8 ± 0.8 kNm
<b>Total Solids by Weight, ASTM D-2369</b>	100%
<b>Total Solids by Volume, ASTM D-2697</b>	100%

Depth of Joint	Width of Joint						
	1/4"	3/8"	1/2"	5/8"	3/4"	7/8"	1"
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



All surfaces must be primed with Polyprime 2180 or Polyprime EBF-LV.

### **Mixing**

Poly-Caulk® PX27SL may not be diluted under any circumstance.

Pre-mix Poly-Caulk® PX27SL 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 at low speed. Mix until a homogeneous mixture and color is achieved (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 air into the material as this may result in pinhole blisters and/or shortened pot life.

Do not mix in an up and down motion.

### **Application**

Apply using a caulking gun, hand pressure-type or pour from container.

This material can be applied at ambient 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 (24-27°C) prior to use.

### **Finishing**

After applying Poly-Caulk® PX27SL, wait 36-48 hours, depending on temperature and humidity before opening to traffic

### **Cleanup**

Cured product may be disposed of without restriction. Mix excess Side-A with Side-B material and allow to cure. Check local, state and federal laws before disposing of material.

### **Storage**

Poly-Caulk® PX27SL should be stored at room temperature, 60-95°F (15-35°C).

Poly-Caulk® PX27SL has a shelf life of one (1) year from date of manufacture in original, factory-sealed containers when stored indoors at a temperature between 60-95°F (15-35°C).

### **Limitations**

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

### **Warning**

**This product contains Isocyanates and Curatives.**

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