

EZ-STIK

PREMIUM BUTYL JOINT SEALANT



Where To Use

- Sanitary Manhole Joints
- Stormwater Manhole Joints
- Irrigation and Drainage Systems
- Box Culverts
- Elliptical/Arch Pipe
- Architectural Foundations
- Underground Utility Vaults
- Stormwater Treatment & Inlet Structures
- On-Site Treatment Tanks
- Grease Interceptors
- Wet Wells

What It Is

The EZ-Stik butyl rubber all-weather joint sealant in rope form seals all forms of underground concrete and containment structures watertight.

Containing a higher percentage of butyl rubber, EZ-Stik provides a better performing joint sealant for longer service life.

EZ-Stik comes in many sizes and shapes for sealing both precision and non-precision joints in manhole, catch basins, curb inlets, vaults, pipe, box culverts, and other sanitary and drainage products.

How It Works

- Sealant is applied as a continuous ring around entire joint.
- The excess sealant is then cut to length to create a butt joint.
- Ends of butt joint are kneaded together.
- Protective release paper is removed from the sealant ring.

Why It's Better

- A variety of shapes and sizes to fit almost any application.
- Allows for joint movement and differential settlement in low temperature in accordance to ASTM C 765 - Standard Test Method for Low Temperature Flexibility of Preformed Tape Sealants.
- Tested to higher standards than bitumen (mastic) and blended materials including ASTM C990 Section 6.2 Butyl Rubber Sealants.
- Provides rebound for joint settlement and movement; meets ASTM C972 for compression recovery at 77°F and 32F.

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SUBMITTAL SPECIFICATIONS

The joints and/or joint surfaces of the structures shall be sealed with a butyl rubber based preformed flexible sealant conforming to ASTM C990, paragraph 6.2, Butyl Rubber Sealant, ASTM C 765 Low Temperature and Flexibility, ASTM C 972-00 (2011): Butyl sealants provide rebound for joint settlement and movement and ASTM C 972 Compression Recovery; compression index at 32° F, lbf/in³ 200 max.

The material shall be PRO-STIK or EZ-STIK as supplied by PRESS-SEAL CORPORATION, Fort Wayne, Indiana, or approved equal. The butyl material shall

consist of 50% (min.) butyl rubber and shall contain 2% or less volatile matter.

For preformed joint sealants, the sealant shall be sized such that the joint is filled to 50% (min.) of its annular volume when fully assembled, and the sealant shall have the ends kneaded together at the overlap. Primer and/or adhesive as recommended by the sealant supplier shall be employed for adverse, critical, or other applications.

Testing of joints and compliance with construction requirements shall be conducted in strict conformance with the requirements of the sealant supplier.

Product Performance

EZ-STIK BUTYL JOINT SEALANT meets or exceeds all requirements of the following Standards, Specifications and/or Test Methods:

- ASTM C990 - Standard Specification for Joints for Concrete Pipe, Manholes, and Precast Box Sections Using Preformed Flexible Joint Sealants; Section 6.2 Butyl Rubber Sealants
- AASHTO M198 - Joints for Circular Concrete Sewer and Culvert Pipe Using Flexible Watertight Gaskets
- ASTM C972 - 00(2011) - Standard Test Method for Compression-Recovery of Tape Sealant
- ASTM C765 - 97(2015) - Standard Test Method for Low-Temperature Flexibility of Preformed Tape Sealants



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EZ-STIK

SELECTION GUIDE

The selection guide displays various sealant sizes in black boxes with their dimensions in inches and millimeters, and their corresponding part numbers:

- 1/2"**: .45 x .45 (11 x 11 mm), Part No. 277.1
- 3/4"**: .675 x .675 (17 x 17 mm), Part No. 277.2B
- 1"**: .89 x .89 (23 x 23 mm), Part No. 277.3
- 1 1/4"**: 1.0 x 1.255 (25 x 31 mm), Part No. 277.4C
- 1 1/2"**: 1.187 x 1.5 (30 x 38 mm), Part No. 277.5
- 2"**: 1.875 x 1.675 (48 x 43 mm), Part No. 277.6A
- 3/8" (9.5 mm) Round**: Part No. 288.103
- 3.5" x 3/8"**: 90 x 10 mm, Part No. 287.288A
- 7/8" x 1 3/4"**: .88 x 1.75 (22 x 44 mm), Part No. 277.327
- 1/4" x 1/2" (6.3 x 13 MM)**: Part No. 288.406
- 3.5 x 5/8"**: 90 x 10 mm, Part No. 287.329A
- 1/2" x 1-1/2" (13 x 38 MM)**: Part No. 288.320

Dimensions		Round Equivalent	Roll Length		Rolls per Carton	Cartons per Pallet	Part No.
INCH	mm		FEET	Meter			
.45" X .45"	11 X 11 MM	1/2"	21.75'	6.95 M	12	40	277.1
.675" X .675"	17 X 17 MM	3/4"	14.5'	4.64 M	8	40	277.2B
.89" X .89"	23 X 23 MM	1"	14.5'	4.64 M	6	40	277.3
1" X 1.255"	25 X 31 MM	1.25"	14.5'	4.64 M	4	40	277.4C
1.187" X 1.5"	30 X 38 MM	1.50"	10.5'	3.2 M	4	40	277.5
1.875" X 1.675"	48 X 43 MM	2"	7'	2.1 M	3	40	277.6A
3/8" round	9.5 MM	3/8"	15'	4.5 M	12	56	288.103
3.5" X 3/8"	90 X 10 MM	3.5" X 3/8"	16'	4.9 M	2	56	287.288A
3.5" X 5/8"	89 X 16 MM	3.5" X 5/8"	14.5'	4.64 M	2	40	287.329A
7/8" X 1-3/4"	22 X 44 MM	7/8" X 1.75"	14.5'	4.64 M	4	40	287.327
1/2" X 1-1/2"	13 X 38 MM	1/2" X 1.50"	21.75'	6.95 M	4	40	288.320
1/4" X 1/2"	6.3 X 13 MM	1/4" X 1/2"	20'	6.1 M	20	56	288.406

Custom Sizes Available Upon Request

Also Available in Trowelable Bulk and Easy to Pump Bulk

All sizes sold 40 cartons per pallet. All pallets are shrink wrapped for outside storage.
Quantity discounts available - contact our Customer Service Department.



EZ-STIK

PHYSICAL PROPERTIES

EZ-STIK is a butyl rubber based sealant designed to be permanently flexible, tacky and resistant to moisture and deterioration by exposure to dilute chemical solutions. EZ-STIK meets ASTM C990, Section 6.2 requirements for Butyl Rubber Sealant, and AASHTO M198.

Typical Properties

The following values represent typical properties of EZ-STIK

	Test Method	Requirement	EZ Stik
Butyl Rubber (Hydrocarbon Content)	ASTM D4	50% min.	54.80%
Ash Inert Mineral Filler %	AASHTO T111	30% min.	45.2%
Volatile Matter (AASHTO T47)	ASTM D6 / AASHTO T47	2% max.	0.90%
Specific Gravity @ 77°F (25°C)	ASTM D71 / AASHTO T229	1.15 - 1.50	1.39 g/mL
Ductility @ 77°F (25°C)	ASTM D113 / AASHTO T51	5.0 min.	9.5 cm
Flash Point C.O.C.	ASTM D92	350°F (177°C) min	528°F (276°C)
Fire Point C.O.C.	ASTM D92	375°F (191°C) min	538°F (281°C)
Compression @ 77°F (25°C)	ASTM C972	100 max	80 lbs/in ³
5 minute recovery			6.1 mm
2 hour recovery			6.6 mm
Compression @ 32°F (0°C)	ASTM C 972	200 max	130 lbs/in ³
5 minute recovery			6.4 mm
2 hour recovery			7.0 mm
Cone Penetration @ 77°F (25°C)	ASTM D217	50 to 120	72 dmm
Cone Penetration @ 32°F (0°C)		30 min	41 dmm
Low Temp Flexibility	ASTM C765	180° bend, no cracking or loss of adhesion.	Pass
Adhesion after impact	ASTM C766	No greater loss than 50% adhesion.	Pass - 0% adhesion loss.
Chemical Resistance			
5% NaOH	ASTM C990	No deterioration, cracking, or swelling after separate 30 day immersions at ambient conditions.	Pass
5% KOH			
5% H2SO4			
5% HCl			
5% Saturated H2S			
5% Formaldehyde			
5% Formic Acid			

Application Properties

Service Temperature Range	-40°F to 250°F (-40° to 121° C)
Application Temperature	20°F to 120°F (-7° to 49° C)
Storage Temperature	Under 120°F (49° C)
Shelf Life	2 Years minimum

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