

PRO-STIK

PREFORMED BUTYL JOINT SEALANT



What It Is

Pro-Stik butyl joint sealant is a rope form joint sealant that will not shrink, crack or dry out.

Containing a higher proportion of butyl rubber over competitive products gives you the added benefit of a better performing joint sealant.

It provides excellent adhesion and cohesion to a wide-variety of surfaces such as concrete, metal, painted surfaces and even glass.

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.

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

Why It's Better

- A variety of shapes and sizes to fit almost any application.
- Allow for joint movement and differential settlement in low temperature in accordance to ASTM C765 - Standard Test Method for Low Temperature Flexibility of Preformed Tape Sealants.
- Tested to higher standards than bitumen (mastic) and blended materials besides ASTM C990, Section 6.2 Butyl Rubber Sealants.
- Conforms to ASTM C972-00 (2011), Compression Recovery. Butyl sealants provide rebound for joint settlement and movement.



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Protecting Our Planet's Clean Water Supply
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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 C 990, section 6.2, Butyl Rubber Sealant, ASTM C 765 Low Temperature 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

Pro-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 M 198 - 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



PRO-STIK AVAILABLE SIZES

1/2"
.45 x .45
11 x 11 mm

1/2" x 3/4"
.50 x .75
13 x 19 mm

3/4"
.60 x .80
15 x 20 mm

1"
.75 x 1.05
19 x 27 mm

1 1/4"
.88 x 1.40
22 x 36 mm

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 ft	6.95 m	12	24	279.1
.50 X .75	13 x 19 mm	1/2" X 3/4"	21.75 ft	6.95 m	8	40	288.33
.60 X .80	15 x 20 mm	3/4"	14.5 ft	4.64 m	8	40	279.2B
.75 X 1.05	19 x 27 mm	1"	14.5 ft	4.64 m	6	40	279.3
.88 X 1.40	22 x 36 mm	1-1/4"	14.5 ft	4.64 m	4	40	279.4C

All pallets are shrink-wrapped for outside storage.
Quantity discounts available - contact our Customer Service Department.



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PHYSICAL PROPERTIES

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

Typical Properties

The following values represent typical properties of Pro-Stik

	Test Method	Requirement	PRO Stik
Butyl Rubber (Hydrocarbon Content %)	ASTM D297	50% min.	50.2%
Ash Inert Mineral Filler %	AASHTO T111	30% min.	42.5%
Volatile Matter (AASHTO T47)	ASTM D6; ASSHTO T47	3% max.	0.5%
Specific Gravity @ 77°F (25°C)	ASTM D71; AASHTO T229	1.15 - 1.50	1.30-1.45
Ductility @ 77°F (25°C)	ASTM D113; AASHTO T51	5.0 cm min.	5.2%
Flash Point C.O.C.	ASTM D92	350°F (177°C) min.	544°F (290°C)
Fire Point C.O.C.	ASTM D92	375°F (191°C) min.	608°F (320°C)
Compression Index @ 77°F (25°C)	ASTM C 972	100 lbs/in ³ max	84
5 minute recovery			6.3 mm
2 hour recovery			6.8 mm
Compression Index @ 32°F (0°C)	ASTM C972	200 lbs/in ³ max	188
5 minute recovery			6.6 mm
2 hour recovery			7.6 mm
Cone Penetration @ 77°F (25°C)	ASTM D217	50 - 120 dmm	84
Cone Penetration @ 32°F (0°C)		30 dmm min.	50
Low Temperature Flexibility [14 days @ 70°C (158°F), followed by 4 hrs @ -23°C (-9°F)]	ASTM C765	180 bend; no cracking or loss of adhesion	Pass
Low Temperature Flexibility [14 days @ 70°C (158°F), followed by 4 hrs @ -10°C (14°F)]			
Elevated Temperature Flow [14 days @ 158°F (70°C)]	ASTM C766	No sag; no change in extruded shape.	Pass
Adhesion After Impact	ASTM C766	No greater loss than 50% of adhesion.	Pass
Chemical Resistance	ASTM C990	No deterioration, no cracking, no swelling after separate 30 day immersions in the following:	
		5% KOH	Pass
		5% NaOH	
		5% HCl	
		5% H ₂ SO ₄	
		5% Saturated H ₂ S	
		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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