



PRO-STIK

HIGH-PERFORMANCE PREFORMED BUTYL JOINT SEALANT

What It Is

PRO-STIK is a preformed butyl joint sealant that is supplied in rope form. It is carefully blended from uncured butyl rubber and other solids and will not shrink, crack, or dry out. Although clean to handle, it provides excellent adhesion and cohesion to a wide variety of surfaces - concrete, metal, most concrete coatings, glass, wood, and painted surfaces.



Why It's Better

- High quality rubber, 98% solids that will not harden, shrink or oxidize.
- Good adhesion to dry concrete, commonly specified concrete coatings, steel, glass, or painted surfaces.
- Rectangular shapes for optimal adhesion.
- Coated release paper for easy installation.
- Long service life.
- Cohesive properties allow for joint movement.
- Compatible for use with rubber O-Ring designs.
- Low moisture vapor transmission rate (MVTR).
- Special primers available for use on damp, contaminated, or difficult surfaces.

How It Performs

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

ASTM C 990 - 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

Typical Applications

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

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Submittal Specification

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, paragraph 6.2. 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.

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
.45 X .45	11 x 11 mm	1/2"	26.4 ft	8.44 m	12	24	279.1A
.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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Description

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 C-990; Section 6.2 for Butyl Rubber Sealants and AASHTO M 198.

Typical Properties

The following values represent typical test results and are not manufacturing specifications.

	<u>SPEC.</u>	<u>REQUIRED</u>	<u>PRO-STIK</u>
Butyl Rubber (Hydrocarbon Content %)	ASTM D4	50% min.	51%
Ash Inert Mineral Filler %	AASHTO T111	30% min.	41%
Volatile Matter (AASHTO T47)	ASTM D6	2% max.	0.3%
Specific Gravity @ 77°F (AASHTO T229)	ASTM D71	1.15 - 1.50	1.25 - 1.35
Ductility @ 77°F, cm (AASHTO T51)	ASTM D113	5.0 min.	6.0 cm
Flash Point C.O.C.	ASTM D92	350° min.	375°F
Fire Point C.O.C.	ASTM D92	375° min.	385°F
Rebound Test			
@77°F	ASTM C972	5% - 15%	9.5%
@32°F		30% - 60%	41%
Compression Test			
@77°F, lbf/in ³	ASTM C972	100 max.	64 lbf per cubic in.
@32°F, lbf.in ³		200 max.	92 lbf per cubic in.
Low Temperature Flexibility			
@-10°F	ASTM C765	180° bend, no cracking, nor loss of adhesion	Pass - no cracking or adhesion loss.
Elevated Temperature Flexibility			
14 days @ 158°F	ASTM C766	No sag, nor change in extruded shape.	Pass - no sag or shape change.
Adhesion After Impact	ASTM C766-84	No greater loss than 50% of adhesion.	Pass - no loss of adhesion.
Cone Penetration			
@ 77°F, dmm	ASTM D217	50 - 100 dmm	67 dmm
@ 32°F, dmm		40 min.	50 dmm
Chemical Resistance		No deterioration, no cracking, no swelling.	Pass-no visible change after 30 days immersion in 5% solutions of HCl, H ₂ SO ₄ , NaOH, KOH, H ₂ S

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