

CRETE STIK

PREFORMED BUTYL JOINT SEALANT



What It Is

Crete Stik butyl/bitumen blend joint sealant is a rope form joint sealant that will not shrink, crack or dry out.

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

How It Works

The Crete Stik should be sized such that the joint is filled to a minimum of 50% of its annular volume when fully assembled, and the Crete Stik should have the ends kneaded together at the overlap.

Testing of joints and compliance with specification requirements shall be conducted in strict conformance with the requirements of Press-Seal. For more information, refer to the full Installation Instructions.

Where To Use

Crete Stik is designed for underground infrastructure applications, including:

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

Why It's Better

- Cost effective.
- Meets ASTM C 990 requirements for Compression Index per ASTM C 972.
- Starter strip leads to less waste per roll.
- Packaging designed to ensure proper dimensions.
- Improved release liner.
- Save on freight with bundling options.
- Adhesion works on a variety of surfaces including metal, glass and more.



CRETE STIK

PHYSICAL PROPERTIES

Crete Stik is a butyl/bitumen blend joint sealant designed to be permanently flexible, tacky and resistant to moisture and to deterioration by exposure to dilute chemical solutions. Crete Stik meets all requirements of ASTM C 990-09.

Typical Properties

The following values represent typical test results.

Description	Specification	Requirement	Crete Stik	
Ash Inert Material Filler (% by weight)	AASHTO: T 111-11	30% min	36.71%	PASS
Volatile Matter (% by weight)	ASTM C 990	3% max	0.29%	PASS
Specific Gravity (25°C/77°F)	ASTM D 71	1.15 - 1.40 g/mL	1.39	PASS
Ductility (25°C/77°F)	ASTM C 990	5.0 cm min	9.6	PASS
Flash Point, COC	ASTM D 92	350°F min	446°F	PASS
Fire Point, COC	ASTM D 92	375°F min	460°F	PASS
Compression Index (25°C/77°F)	ASTM C 972	100 lbf/in ³ max	59	PASS
Compression Index (0°C/32°F)	ASTM C 972	200 lbf/in ³ max	99.47 lbf/in ³	PASS
Cone Penetration (25°C/77°F)	ASTM D 217	50 - 120 dmm	85	PASS
Hydrocarbon Blends (% by weight)	ASTM D 297	50% min	53%	PASS
Color			Black	

SELECTION GUIDE

*Not actual size. Demonstration purposes only.

3/4" .60 x .80 15 x 20 mm	7/8" .82 x .70 21 mm x 18 mm	1" .89 x .89 22 mm x 22 mm	1 1/4" .88 x 1.40 22 x 36 mm	1 1/2" 1.5 x 1.187 22 x 36 mm
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Dimensions		Round Equivalent	Roll Length		Rolls per Carton	Cartons per Pallet	Part No.
INCH	mm		FEET	Meter			
.60 X .80	15 mm x 20 mm	3/4"	14.5 ft	4.64 m	8	40	280.2
.82 X .70	21 mm x 18 mm	7/8"	14.5 ft	4.64 m	8	40	280.25
.89 X .89	22 mm x 22 mm	1"	14.5 ft	4.64 m	8	40	280.3A
.88 X 1.40	22 mm x 36 mm	1-1/4"	14.5 ft	4.64 m	5	40	280.4
1.5 x 1.187	30 mm x 38 mm	1-1/2"	10.5ft	3.20 m	5	40	280.5



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SUBMITTAL SPECIFICATIONS

The joints and/or joint surfaces of the structures shall be sealed with a butyl rubber based or butyl/bitumen blend preformed flexible sealant conforming to ASTM C 990-09, ASTM C 765 Low Temperature Flexibility, ASTM C 972: 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 CRETE STIK, as supplied by PRESS-SEAL CORPORATION, Fort Wayne, Indiana, or approved equal. The material shall meet ASTM C 990-09. 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

CRETE STIK butyl joint sealant meets or exceeds all requirements of the following standards, specifications and/or test methods:

- ASTM C 990-09 - Standard Specification for Joints for Concrete Pipe, Manholes, and Precast Box Sections Using Preformed Flexible Joint Sealants
- AASHTO M 198 - Joints for Circular Concrete Sewer and Culvert Pipe Using Flexible Watertight Gaskets
- ASTM C 972 - Standard Test Method for Compression-Recovery of Tape Sealant
- ASTM C 765 - Standard Test Method for Low-Temperature Flexibility of Preformed Tape Sealants

