

ST-30

Premium Grade Butyl Based Sealant

(For Precast Concrete Structures)

Description

ST-30 a premium grade butyl based sealant designed to be permanently flexible, tacky, and resistant to moisture and to deterioration by exposure to dilute chemical solutions.

Basic Use

- Flexible rope gasket for sealing precast concrete.
- Self-sealing joints in Manholes, Septic Tanks, Box Culverts, Concrete Pipe, Concrete Vaults, Utility Vaults, Vertical Panel Structures.

Instructions

All installations surfaces must be clean and dry. Primer is recommended for damp concrete and installations below 40°F.

Limitations

Not recommended for use with oils or hydrocarbon solvents.

Health & Safety

Users must follow individual product data sheet and Material Safety Data Sheet (M.S.D.S.) for health and safety precautions. Always use protective eyewear.

Features	Benefits
Meets or Exceeds Industry Specifications	AASHTO M-198* ASTM-C-990 Federal Specification* SS-
Chemical Resistance: 30 Day Immersion Testing	No Visual Deterioration
Cold Weather Flexibility at -10°F	180° Bend • No Adhesion Loss • No Cracking
Wide Range of Application Temperature	Service Temperature • -40°F to 250°F Workability Temperature • 0°F to 120°F
Easy Application	Faster Installation
Permanently Flexible, No Shrinkage, Non Corrosive ST-30 will not oxidize or harden with aging	Watertight Joints Hydrostatic Performance ASTM C-990 Sec. 10.1 10 psi for 10 min.

Approvals

Meets requirements of ASTM C990-96 Section 6.

* AASHTO M-198 and Federal Specifications: SS-S-210, SS-S210A with the exception of flash point and fire point.

Packaging

ST-30 Butyl Rope Gasket is supplied in roll form on easy release liner

CAUTION: All statements and technical information in this document are based on tests or data that Foam Sealant believes is reliable. However, Foam Sealant does not warrant or guarantee the accuracy or completeness of this information. The user has sole knowledge and control of factors that can affect the performance of Foam Sealant's products in the user's intended application. It is the user's responsibility to conduct tests to determine the compatibility of Foam Sealant's product with the design, structure, and materials of the user's end product and the suitability of Foam Sealant's product for the user's method of application and intended use. The user assumes all risk and liability arising out of such use.

Technical Data

Physical Properties

	Typical Values	Test Method
Color	Black	Visual
Specific Gravity	1.25 to 1.35	ASTM D71
Hydrocarbon Content	50% Min.	ASTM C-990
Ash Content	45% - 48%	AASHTO T111
Ductility @ 77° F	6.0 cm	ASTM D113
Rebound/Recovery		
@ 77° F	4 -7%	ASTM C 972
@ 32° F	5 -10%	
Compression Index		
@ 77° F	40 - 55 lbf/in ³	ASTM C 972
@ 32° F	130 -160 lbf/in ³	
Solids Content	99%	ASTM D6
Elevated Temperature Flow	No sag or shape change after 14 days @ 158° F	ASTM C766
Adhesion after Impact	No loss of adhesion	ASTM C990
Cone Penetration @ 77°F	55 to 85	ASTM D217
Chemical Resistance	No visible change after 30 days immersion in 5% solutions of HCl, H ₂ SO ₄ , NaOH, KOH, H ₂ S	SS-S-210 SS-S-21A Sec. 3.6
Low Temperature Flexibility	No cracking or adhesion loss at -10°F	ASTM C765

Application Properties

Service Temperature Range	-40°F to 250°F	
Application Temperature:	20°F to 120°F	
Storage:	Under 120°F	
Shelf Life:	Two years minimum	

NOTE: The foregoing information is published as general information only. The listed properties and performance characteristics are approximate values and are not part of the product specification.

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