

ST-30

Premium Grade Butyl Based Sealant

For Precast Concrete Structures

Product Data Sheet

Description

ST-30 is 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.

Features	Benefits
ADCO ST-30 Meets or Exceeds Industry Specifications	AASHTO M-198* ASTM-C-990 Federal Specifications: SS-S-210*, SS-S-210A*
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 Temp. -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.

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 solution.

Health & Safety

Users must follow individual product data sheet and Material Safety Data Sheets for health and safety precautions.

Approvals

Meets requirements of ASTM C990-96 Section 6.

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

Availability/Cost

Can be obtained from your ADCO Products representative.

Packaging

ST-30 Butyl Rope Gasket is supplied in roll form on easy release liner. ST-30 9/00

ADCO Products, Inc. P.O. Box 457, 4401 Page Avenue Michigan Center, MI 49254 (800)248-4010 (517)764-6697 Fax



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Technical Data		
Physical Properties		
	ST-30 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:	0° F to 120° F	
Storage:	Under 120° F	
Shelf Life:	One year	

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