

# Polywater® FST™-250

## FOAM DUCT SEALANT MULTI-USE CARTRIDGE



UL Recognized  
Component

FST™ closed-cell foam was engineered for harsh construction environments.

- Seals Out Water, Sewer Gases, and Rodents From Conduits
- Reenterable
- Holds Over 22' of Water Head Pressure
- Seals Multiple Conduits
- Works Great with High-Ratio Caulking Guns
- Compatible with Cables and Conduits
- Complies with TIA-758-B Standard 5.1.1.2.8, 5.4.2.3 and 7.4.2.8.1
- Complies U.S.A. NEC Sections 225.27, 230.8, 300.5 (G), 300.7 (A), and 501.15 (B) (2) on Conduit and Raceway Seals

Actual cross section of cured FST™ closed-cell foam.



### Open-Cell Canned Foams & Duct Putty

- Do Not Hold Water-Head Pressure
- Do Not Fully Cure in Conduits
- Sag and Dry Out Over Time

**Polywater® FST™ Foam Duct Sealant** meets and exceeds the NEC code requirements for sealing conduits. Polywater® FST™ is superior to both duct putty and aerosol cans of foam because it has been tested for cable compatibility; holds 22 feet of water head pressure continuously and up to 90 feet intermittently; prevents the passage of gas; does not sag; will not dry out; and is re-enterable. FST™ sealant is chemically resistant to gasoline, oils, dilute acids and bases, and most unsaturated hydrocarbons. Review our technical bulletin to see our extensive ASTM product testing.

**FST™ meets the following from the NFPA 70® National Electrical Code® 2008, 2011 Editions:**

**NEC 225.27 Raceway Seal.** Where a raceway enters a building or structure from an underground distribution system, it shall be sealed in accordance with 300.5(G). Spare or unused raceways shall also be sealed. Sealants shall be identified for use with the cable insulation, shield, or other components.

**NEC 230.8 Raceway Seal.** Where a service raceway enters a building or structure from an underground distribution system, it shall be sealed in accordance with 300.5(G). Spare or unused raceways shall also be sealed. Sealants shall be identified for use with the cable insulation, shield, or other components.

**NEC 300.5(G) Raceway Seals.** Conduits or raceways through which moisture may contact live parts shall be sealed or plugged at either or both ends.

Informational Note: Presence of hazardous gases or vapors may also necessitate sealing of underground conduits or raceways entering buildings.

**NEC 300.7 (A) Sealing.** Where portions of a cable raceway or sleeve are known to be subjected to different temperatures and where condensation is known to be a problem, as in cold storage areas of buildings or where passing from the interior to the exterior of a building the raceway or sleeve shall be filled with an approved material to prevent the circulation of warm air to a colder section of the raceway or sleeve. An explosion proof seal shall not be required for this purpose.

**NEC 501.15 (B)(2) Conduit Seals, Class 1 Division 2:** A conduit seal shall be required in each conduit run leaving a Class 1, Division 2 location... and it shall be designed and installed to minimize the amount of gas or vapor within the portion of the conduit installed in the Division 2 location... Such seals shall not be required to be explosion proof..."

*\* As always with the NEC code it is prudent to check with and get approval from the AHJ before installing any product in a hazardous location area due to varying interpretations*

Polywater® FST™ Product #	Description	Units/Case
FST-250KIT1	8.5-oz cartridge (cat# FST-250) – 1, 24" Foam damming strips (cat# FST-DAM) – 4, Mixing nozzles (cat# MXR-30T-10) – 3, Pair disposable gloves – 1, Positioning rod for foam dam – 1, Pre-treating wipe (cat# HP-P158ID) – 1, 24" abrasive strip (sanding cloth) – 1, Resealing cap – 1, Instruction sheet – 1 <i>TOOL-250 SOLD SEPARATELY</i>	1
FST-250KIT	6 units of the above product	6
FST-250	8.5-oz cartridge with mixing nozzle	12
MXR-30T-10	Mixing nozzle 10-PACK for FST-250	1
TOOL-250	High-ratio caulking gun	1
FST-DAM	24" Foam damming strip	24
HP-P158ID	Conduit pre-treating wipe	144
<b>Polywater® FST™ is now available in a convenient Burst Pack</b>		
FSTBP-200KIT1	FSTBP-200 Burst Pack – 1, Pair of Gloves – 1, Sanding Cloth – 1, Foam Strips – 4, RP-1 – 1, Instructions - 1	1
FSTBP-200KIT6	FSTBP-200 Burst Pack – 6, Pair of Gloves – 6, Sanding Cloth -1, Foam Strips – 24, RP-1 – 6, Instructions - 1	1
FSTBP-200B6	FSTBP-200 Burst Packs – 6, Pairs of Gloves – 6, Instructions -1	1

**To view technical information on our website go to:**

Support Page: [www.polywater.com/ductseal.html](http://www.polywater.com/ductseal.html)

Application Videos: [www.polywater.com/videos.asp](http://www.polywater.com/videos.asp)



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Important Notice: The statements here are made in good faith based on tests and observations we believe to be reliable. However, the completeness and accuracy of the information is not guaranteed. Before using, the end-user should conduct whatever evaluations are necessary to determine that the product is suitable for the intended use.

American Polywater expressly disclaims any implied warranties and conditions of merchantability and fitness for a particular purpose. American Polywater's only obligation shall be to replace such quantity of the product proven to be defective. Except for the replacement remedy, American Polywater shall not be liable for any loss, injury, or direct, indirect, or consequential damages resulting from product's use, regardless of the legal theory asserted