

# Polywater<sup>®</sup> Duct Sealant

## Water Block Foam Kit

A Multi-Use, Quick-Setting, Two-Part, Cured Foam Duct Sealing System



- ◆ **Seals water, dirt, oil, rodents, or other contaminants out of conduit/duct**  
*Protects your investment in cable and electronics*
- ◆ **Cured foam is strong, resilient and chemically resistant**  
*Provides superior protection in adverse field conditions and where cable movement is present*
- ◆ **Foam expands and cures quickly even when water is present**  
*Seals ducts quickly and neatly*
- ◆ **Kit seals up to 3 large ducts (100mm/4")**  
*Saves money over single-use products*
- ◆ **Two-part foam is mixed in nozzle as it is injected**  
*Saves time with no measuring or mixing required*
- ◆ **Cured foam is low density**  
*Easy to cut out for cable changes or additions*
- ◆ **Cartridge injection system allows partial use of foam base**  
*No wasted reacted material*



*FST-180-KIT contains everything needed to contain and place the foam for a good seal.*



*FST-TOOL is recommended to push the base for thorough mixing in the mixing nozzle.*

# Polywater® Duct Seal/Water Block Foam Kit

**Polywater® Duct Seal/Water Block Foam Kit** contains a two-barrel cartridge filled with a two-part foam base. The foam base is mixed in equal parts as it is pushed through the mixing nozzle. When mixed and injected, the foam expands and hardens, keeping water, acids, greases, insects, rodents, etc., out of the conduit. The foam has good wetting and adhesion to metals, plastics, and concrete. The kit contains enough material to seal up to 3 large ducts. A separate, reusable, ratchet application tool is used to inject the foam.

Catalog No.	Description	Units/CS
FST-180-KIT	1 6-oz cartridge (cat# FST-180) 2 24" Foam damming strips (cat# FST-DAM) 3 Mixing nozzles 1 Pair disposable gloves 1 Positioning rod for foam dam 1 Pre-treating wipe (cat# CD-1) 1 Resealing cap 1 Instruction sheet	6
FST-180	1 6-oz cartridge with 3 mixing nozzles	12
FST-TOOL	1 Ratchet application tool	1
FST-DAM	1 24" Foam damming strip	24
CD-1	1 Conduit pre-treating wipe	288

## Properties of Foam Base and Cured Expanded Foam

- Appearance:** Amber color
- Viscosity:** Part A = 1,000 cps; Part B = 250 cps; Mixed = 600 cps
- Specific Gravity:** Part A = 1.23; Part B = 1.10; Mixed = 1.16; (Water = 1.00)
- Reaction Time:** 15 seconds
- Cure Time:** 5 -10 minutes
- Density:** 64.4 kg/m<sup>3</sup>
- Compressive Strength:** 13.8 MPa
- Tensile Strength:** 15.9 MPa
- Flexural Strength:** 14.5 MPa
- Service Temperature:** 200° F/93°C Continuous; 250°F/121°C Peak
- Package:** 2-part (180 ml) two-barrel cylinder used to seal up to 3 ducts
- Expansion Ratio:** Approximately 10 times

View "Technical Data Sheet" and "Instructions for Use" online at  
<http://www.polywater.com/ductseal.html>

Copyright ©2002-2005. American Polywater Corporation. All Rights Reserved

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.

LIT-FSTFLYER/8-04/maru(5/05)



P.O. Box 53  
Stillwater, MN 55082  
U.S.A

1-800-328-9384  
custserv@polywater.com(e-mail) 1-651-430-2270  
<http://www.polywater.com>(URL) fax 1-651-430-3634