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# Newsletter For Authorized Distributors of **Polywater® Electrical Products**

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The Juice is an opt-in, technical publication from American Polywater Corporation issued on an irregular basis for authorized distributors of Polywater Electrical Products.

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POLYWATER® FST FOAM DUCT SEALANT

Duct putty was specifically manufactured for sealing HVAC duct work and around junction boxes, not conduit sealing. Duct putty, which is extremely difficult to mold into place in cold weather, dries out and sags over time. Duct putty seals are not gas or water tight. Both canned foam and duct putty fail to meet NEC code requirements for sealing conduits or electrical industry parameters for sealing high water head pressure and gases.

## **PRODUCT NEED**

Aerosol canned foams and duct putties are inexpensive and convenient, and have been used for years to seal conduits. However, aerosol foams were manufactured specifically for insulating and void filling, not for sealing electrical conduits. These aerosols contain open-cell foams that often don't fully cure in the conduit. Even the fully cured foam tends to sag or compress under the weight of heavier cables, and can't hold water or gas pressure.



DUCT PUTTY & AEROSOL CANNED FOAM

## **PRODUCT SOLUTION**

Polywater® FST™ is superior to both duct putty and aerosol foam because it is tested for cable compatibility; holds 22 feet of continuous water head pressure and up to 90 feet of intermittent water surges; prevents gases from passing through conduits; 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.

[Download testing and technical data on the comprehensive 4-page Spec Sheet](#)



TOOL 250



FST-250KIT

Polywater® FST™ Foam Duct Sealant meets and exceeds the NEC section requirements for sealing raceways (*NFPA 70® National Electrical Code® 2011 Edition, 225.27 Raceway Seal, 230.8 Raceway Seal, 300.5(G) Raceway Seals*).

[Download Literature for full detail on product features.](#)

## **WHICH PACKAGE TO SELL?**

Promote the new FST-MINI for conduit applications from 3/4" to 1.5", and the **FST-250** for use in conduits from 1.5" to 8". Polywater® FST™ Foam Duct Sealant is a high-performance, closed-cell foam. The two-part base is mixed in equal parts when pushed through the mixing nozzle, expanding and hardening in 8 minutes to seal out water, gases, acids, greases, insects, rodents, and copper thieves from PVC, metal, fiberglass and HDPE conduits. Robust FST™ seals help protect switchgear, electrical equipment, light fixtures, junction boxes, manholes and more from becoming damaged by water, moisture or gases.



FST-MINI-1

## **HOW MANY TO SELL?**

One FST-MINI cartridge seals approximately ten 1” conduits, and the FST-250 seals five 2” conduits. The FST-MINI is deployed with the TOOL-50-11, and the FST-250 is deployed with a standard high-ratio caulking gun (our cat #TOOL-250). Now your customers have better options for meeting the NEC Code in all conduit sizes. Both cartridge styles are available separately or in kit form with gloves, damming material, positioning rods, etc.

[Click here to direct you to the FST calculator.](#)

## **DISTRIBUTOR RESOURCES**

We emphasize that the recommended caulking gun isn't the \$2 variety. Beefier high-ratio spring-operated caulking guns work best for regular use. Cheaper tools will not eject the foam through the mixing nozzle fast enough to mix the FST™ foam adequately. [Click here for a short YouTube video](#) demonstration of the FST-250 in a clear conduit. Additional support materials include:

- [Free crosscut seal samples for Counter Demos](#)
- [Detailed 4-page Instructions for Use on FST-250 and FST-MINI](#)

Click here to locate your local Polywater representative.

American  
**Polywater**®  
Corporation

American Polywater | P.O. Box 53 | Stillwater, MN 55082 USA  
1-(651) 430-2270 (Voice) | 1-(651) 430-3634 (Fax) | 1-(800) 328-9384 (Toll-Free US/Canada Only)  
[www.polywater.com](http://www.polywater.com) | [custserv@polywater.com](mailto:custserv@polywater.com)