

# Polywater® Foam Duct Sealant 2-Part Urethane

## Description:

Polywater® Foam Sealant FST is a two-part, “water-blown” urethane foam. It cures to a strong, rigid closed-cell structure. It has an excellent wetting and adhesion to metal, concrete and plastic surfaces. It provides superior resistance to water, acids, greases and bases and most organic compounds due to its thermoset nature and high percentage of closed cells. The FST sealant is formulated to a 1/1 ratio for use in side-by-side cartridges with a special static mixer provided.

## Typical Properties:

### Handling:

Mix Ratio .....	1/1
Color	
Part A .....	Amber
Part B .....	Clear
Viscosity	
Part A .....	180-300 cps
Part B .....	900-1200 cps
Specific Gravity	
Part A .....	1.3
Part B .....	1.1
Reaction Time (70°F) .....	30 – 120 seconds
Cure Time (70°F) .....	5 – 10 minutes
Density .....	4 lb / cu. Ft.

### Performance:

Closed Cell Content .....	99%
Compressive Strength (ASTM D1691) .....	400 psi
Tensile Strength (ASTM D1623) .....	650 psi
Flexural Strength (ASTM D790) .....	550 psi
Water Tightness .....	Holds 40 feet waterhead Intermittent Holds 15 feet waterhead Continuous
Air Tightness .....	Holds 7 psi
Service Temperature .....	-20° – 200° F Continuous -40° C (-40° F) – 121° C (250° F) Peak

Chemically resistant to gasoline, oils, dilute acids and bases, and most unsaturated hydrocarbons.

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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.

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