



# FOAM & FILL

# Fire Block Polyurethane Foam Sealant

Foam & Fill® Fire Block is a self-extinguishing polyurethane foam sealant specially formulated to inhibit the spread of flames through concealed cavities by blocking the free flow of air, smoke, and gas. This one-component, ready-to-use foam sealant expands quickly upon application and cures to a water/air-tight seal.

## USES:

Fill, insulate, and seal gaps commonly found between walls, ceilings, and floors of Type V residential and non-rated commercial construction.

## FEATURES:

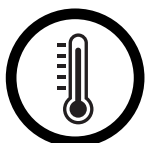
- Extreme heat resistant
- Restricts the spread of fire and smoke.
- Type V residential Fire Block
- High expansion rate with high-yield coverage
- Superior adhesion to most substrates
- Minimal shrinkage
- Excellent thermal and acoustic insulation.
- Waterproof and mold-proof once cured
- Ready to use and easy to apply
- Cured foam is paintable after inspection.
- VOC Compliant

## ADHERES TO:

Wood, concrete, brick, glass, metal, PVC & other plastics.



FIRE & SMOKE  
BLOCKING



HIGH HEAT  
RESISTANCE



MULTI-SURFACE  
BONDING



INTERIOR &  
EXTERIOR



R38267

## Meets or Exceeds Specifications:

- ASTM E84
- UL 723
- DIN 4102-1
- NFPA 286
- ICC-ESR Approved



www.reddevil.com  
Customer Service: 1-800-423-3845

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Pryor, OK 74361

# TECHNICAL DATA SHEET

## Fire Block Polyurethane Foam Sealant

PART#	COLOR	PACKAGE	UPC #	CASE QTY.
0915	Orange	12 oz. Fire Block Straw Canister	0-75339-01365-6	12
0925	Orange	24 oz. Fire Block Gun Canister	0-75339-02605-2	12

### PHYSICAL & CHEMICAL PROPERTIES:

**Base:** Single Component Polyurethane

**Curing System:** Moisture Cure

**Gap Size:** 0.25 in. to 1.60 in. (single application)

**Tack-Free Time:** Approx. 10 - 12 min. at 1" diameter bead

**Cutting Time:** 20-45 minutes (ASTM C1620)

**Cure-Time:** 24 hours

**Foam Color:** Orange

**Shelf Life:** 12 months (unopened package 77°F / 25°C)

**Yield per 12 oz. can:** Approx. 19 L or 1327 linear ft at 1/4" bead

**Yield per 24 oz. can:** Approx. 38 L or 2648 linear ft at 1/4" bead

**UL 723 Fire Rating:** Flame Spread - 10 | Smoke Developed - 15

**Thermal Conductivity:** 0.25BTU-in/(hr.°F-ft<sup>2</sup>) (ASTM C177)

**Core Density:** Approx. 1.18 lbs/ft<sup>3</sup> (19 Kg/m<sup>3</sup>) (ASTM D1622)

**Compression Strength:** 4.35 psi (ASTM D792)

**Shrinkage:** < 5% after 24 first hours

**Water Absorption:** max. 1% after 24 hours (ASTM D570)

**Temperature Resistance:** -40°F to 194°F (-40°C to 90°C)

**Application Temperature:** 41°F to 86°F (5°C to 30°C)

### RESTRICTIONS:

- Not to be used as a firestop product (non-intumescent).
- Storage above 86°F/ 30°C and Below 41°F/ 30°C
- Should be stored and transported in a vertical position.
- Should be kept at room temperature for at least 12 hours before application.
- Yield amount & cure time depend upon climate conditions and volume of applied sealant.
- Cured foam will discolor if exposed to UV light.
- Doesn't bond to Polyethylene, PTFE, or Siliconized surfaces.

CRITERIA	STATUS
CARB Compliance	Yes (Currently Exempt)
Prop 65 Ingredients	None
DOT Proper Shipping Name	Aerosols Flammable
AIR OR OCEAN EXPORT/DOT	AEROSOLS, class 2.1, UN 1950
VOC Content	16% by weight (154 g/L)
LEED Credit	EQc 4.1

### APPLICATION PREPARATION:

- Shut off all gas pilot lights, electrical igniters, burners, and other sources of ignition and heat before and during use, as this product is **FLAMMABLE** during dispensing. Surface should be clean, dry, & free of contaminants for maximum adhesion.
- Wear protective gloves and protective eyewear.
- **24 oz. Gun Canister:** Make sure the Gun's regulator knob is in the closed position. Screw the threaded end of the can into the dispensing gun basket until tight, do not over-tighten.
- **12 oz. Straw Canister:** Screw straw nozzle assembly to valve.

### APPLICATION GUIDLINES:

Clean the surface of oil, dust, and grease. For best results and maximum yield apply at temperatures 41°F-86°F. Use below 41°F is not recommended. Protect the perimeters of the application area with cloth or newspaper. Shake the can vigorously for at least one minute before use. Always dispense the can in an upside-down position.

**24 oz. Gun Canister:** The outflow of the foam can be controlled with the trigger, and the bead size can be adjusted with the regulator knob on the back side of the gun. Fill openings only 33% to allow for expansion of foam. Do not overfill. Overfilling can cause joints to buckle. If the canister is only partially used, leave it attached to the applicator gun to restart the product within approximately 30 days after initial use.

**12 oz. Straw Canister:** Slowly pull trigger until foam flows smoothly. Fill openings only 33% to allow for expansion of foam. Do not overfill. Overfilling can cause joints to buckle. Release trigger 5 seconds before endpoint but keep the nozzle end moving.

*Paint cured foam for best results in outdoor applications*

**CLEAN-UP:** Uncured foam - clean immediately with Red Devil® Gun Cleaner. Cured foam - mechanically remove using a sharp-edged tool. If foam hardens on skin, use an industrial hand cleaner with pumice. Repeat if necessary. Foam that cannot be removed will wear off in time.

### LIMITED WARRANTY:

Recommendations for use of this product are based on tests we believe to be reliable. Manufacturer and seller are not responsible for results where this product is used under conditions beyond our control. If applied as directed, this material peels, cracks or separates, it will be replaced without charge upon presentation of proof of purchase and used cartridge. This limited warranty applies only to residential use and damages including consequential damage and other remedies are excluded. No other warranties apply, including fitness for a particular purpose.

**CAUTION: CONTAINS HARMFUL CHEMICALS THAT MAY IRRITATE EYES, SKIN & RESPIRATORY TRACT. NOT FOR INTERNAL CONSUMPTION. KEEP OUT OF REACH OF CHILDREN & PETS. (See SDS for additional safety information)**