



Flame Tech FB

Polyurethane Fireblocking Foam Sealant

Technical Data Sheet

Product Description:

Flame Tech FB Fireblocking Foam is a one-component, polyurethane based insulating foam sealant used to fill the annular space around vents, pipes, ducts, cables, and wires at ceiling and floor level in non-rated, Type V, one and two-family residential construction. Due to its expansion capabilities, Flametech FB offers maximum yield with minimal effort allowing for significant yield and increased labor savings. Flametech FB has been tested per ASTM-E814 (modified) as an alternative fireblocking material and meets the International Residential Code standards for fireblocking penetrations in Type V Residential Construction.

Applications:

- Type V Residential Construction
- Non-rated ceiling and floor openings
- Electrical, plumbing, and other mechanical penetrations
- Irregular voids and non-linear cracks, crevices, and gaps

Product Features

UL Recognized Fireblocking Alternative
Meets ASTM-E84 Class 1
Inhibits passage of flame, smoke, and toxic gases
Easy To Use
Reduces Labor Costs
Tack Free in 10 Minutes
Water Resistant
Identifiable Bright Orange Color

Standards & Specifications:

Complies With:
IRC Section R302.11, Item 4

UL-ER 38112-01
NFPA 30B Classification:
Level 2 Aerosol

UL Classified
File # 38112 Caulking & Sealants
UL 723 / ASTM-E84 (12.5%)
Flame Spread: 25
Smoke Developed: 50

Tested in accordance to
ASTM-E84
Performance Criteria

Tested in accordance to
ASTM-E814 (Modified)
Performance Criteria

Physical Properties:

Chemistry	Polyurethane Foam
Color	Bright Orange
Core Density	1.1 lbs/ft ³ (17.6 kg/m ³)
K-Factor	0.222 BTU-inch / ft ² x h x °F
R Value	4.50 / inch
Air Barrier Properties	6.24 psf: <.01 cfm/ft ² 1.57 psf: <.0025 cfm/ft ²
Compression Strength	6.38 psi
Closed Cell Content	10 Minutes at 75°F
Open Cell Content	48 to 72 Hours at 75°F
Tack Free Time	Approximately 5 Mins
Cuttable	Approximately 1 Hour
Cure Time	12 to 24 Hours
Flame Spread	25
Smoke Developed	15
Yields	1/4" Bead: 1996 lin ft. 3/8" Bead: 887 lin ft. 1/2" Bead: 499 lin ft.
Shelf Life:	18 Months
Application Temperature	41°F - 86°F
V.O.C. Level	140 grams / liter



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Application Procedures:

1. Optimum application temperature is between 41°F-86°F (18°C-27°C). Clean dust, grease, oil, and other debris from surfaces to be foamed. Cover surrounding areas.
2. Shake well. Screw nozzle adapter onto valve stem, being careful not to activate valve.
3. With valve end of can down, slowly press trigger to dispense foam. Test on experimental surface.
4. Fill cavity only 1/3 full with foam in order to allow for expansion. For cavities greater than 3 in (.75mm) in diameter, moisten substrate before applying.
5. Dries tack free in approximately 5 minutes, cuttable within 1 hour, and cures in 12-24 hours. Do not disturb uncured foam.
6. Cured foam exposed to outdoors must be covered with paint or stain within 2 days.
7. Store upright in cool, dry area. Leave nozzle on can.

Clean Up Procedures:

Uncured foam may be removed with approved cleaner. Cured foam must be removed mechanically.

Packaging Options:

Part #	Product Description	Color	Case Quantity
DP44242	Flame Tech FB Fireblocking Foam Sealant 12 oz. aerosol can - straw dispensed	Bright Orange	12 cans/case

Caution:



DANGER: Extremely Flammable. **HAZARDS:** Extremely Flammable Aerosol. Contains gas under pressure; may explode if heated. Harmful if inhaled. Lung, skin, and eye irritant. May cause allergic skin reaction. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause damage to organs through prolonged or repeated exposure. Cured foam is combustible and may present a fire hazard if exposed to flame or temperatures above 240°F (116°C). **PRECAUTIONS:** Product is extremely sticking and difficult to remove from all surfaces. Keep away from heat/sparks/open flames/hot surfaces - No Smoking. Do not spray on open flame or other ignition source. Do not puncture, incinerate, or store can above 122°F (50°C). Avoid contact with eyes and skin. Wear protective glasses or goggles, nitrile gloves, and clothing that protects against exposure. Only use in a well-ventilated area or with proper respiratory protection.

FIRST AID: Get medical advice/attention in any first aid situation. **EYES:** Flush with water for at least 15 minutes. **SKIN:** Remove contaminated clothing. Wash with plenty of soap and water. **INHALATION:** Remove person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. **INGESTION:** Give large quantities of water. Do not induce vomiting. See Safety Data Sheet for further information.

KEEP OUT OF REACH OF CHILDREN



Scan this QR Code to be directed to our online product page, where you can view additional information including Safety Data Sheets and Applicable Testing Documentation

Disclaimer:

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. This limited warranty only applies to residential use and damages including consequential damage and other remedies are excluded. No other warranties apply, including fitness for a particular purpose.