

# FLAMETECH FB

## FIREBLOCKING FOAM SEALANT

**PRODUCT NAME**

Flametech FB - Fireblocking Foam Sealant

**MANUFACTURER**

Everkem Diversified Products  
 120 Regent Drive, Winston Salem, NC 27103  
 PH: 1-800-638-3160 | FAX: (336) 661-7969

**PRODUCT DESCRIPTION**

Flametech FB is a ready-to-use polyurethane expanding foam for filling, insulating, and sealing the annular space around wires, vents, pipes, ducts, and other mechanical items that penetrate top/sill plates and similar openings in Type V residential construction. FlameTech FB is a UL recognized alternative fireblocking material.

**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

**ADVANTAGES**

- Inhibits passage of smoke, flame, and toxic gases
- Tack free in 10 minutes, cuttable in 1 hour
- Water-resistant
- Reduces labor and material costs
- Identifiable orange color

**LIMITATIONS**

- **Not for use in sealing around penetrations in fire-rated floor or wall assemblies.**
- Not for use in fireblocking applications where the diameter of the cavity is larger than 1 7/16" (36.51mm) without a thermal barrier. Maximum area of exposed sealants must not exceed 18 in.<sup>2</sup> per ft.<sup>2</sup> (116 cm<sup>2</sup> per m<sup>2</sup>)
- Not UV stable - cured foam will discolor if exposed to ultraviolet light.

**AVAILABLE COLORS**

Flametech FB is available in Orange.

**TECHNICAL DATA**

**TYPICAL PHYSICAL PROPERTIES**

**Typical Uncured Properties**

Chemistry:	Polyurethane foam
Appearance:	Orange, foamy liquid mixture
Application Temperature:	40°F to 100°F (7.2°C to 48.9°C); Optimum product temperature for application is between 65°F to 80°F (18°C to 27°C)
Tack Free Time:	5 to 10 minutes
Cuttable:	1 hour
Cure Time:	12 to 24 hours
Shelf Life:	15 months

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**TECHNICAL DATA (CONT.)**

**TYPICAL PHYSICAL PROPERTIES**

**Typical Cured Properties**

Curing conditions of 75°F (24°C) and 50% relative humidity)

Cured State:	Orange, firm foam
ASTM-E84:	Tested to ASTM-E84 "Standard Test Method for Surface Burning Characteristics of Building Materials" 25 Flame Spread / 50 Smoke Developed
Service Temperature:	-200°F to 240°F (-129°C to 116°C)
Paintability:	Paintable
Open Cell Content:	87%
V.O.C. Content:	106 g/L

**APPLICABLE STANDARDS & SPECIFICATIONS**

**SPECIFIED DIVISIONS**

- Section 07 92 00 - Joint Sealants
- Section 22 00 00 - Plumbing
- Section 23 00 00 - Heating, Ventilating, and Air Conditioning (HVAC)
- Section 26 00 00 - Electrical

**APPLICABLE STANDARDS/SPECIFICATIONS**

- ASTM-E84 - Standard Test Method for Surface Burning Characteristics of Building Materials

**ECOSEAL STANDARDS**

- V.O.C. Content: 106 g/L

**INSTALLATION**

**PREPARATION**

Surfaces should be clean of any debris or material that may prevent or deter adhesion. Such debris include, but not limited to: dirt, frost, loose particles, existing sealants, grease, oils, rust, etc.

**APPLICATION**

1. The optimum product temperature for application is 65°F to 80°F (18°C to 27°C).
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 cavities only 1/3 full to allow for expansion. Use in fireblocking applications is limited to up to 1 7/16" without a thermal barrier.
5. Flametech FB dries tack-free in approximately 5 minutes, is cuttable within 1 hour, and cures in 12-24 hours.
6. Store upright in a cool, dry area. Do not expose to temperatures exceeding 122°F (50°C). Keep nozzle on can. Use remainder of can within 30 days.

**CLEANUP**

Excess, uncured foam may be removed with GC-12 Multi-purpose Polyurethane Foam & Gun Cleaner, or other foam gun cleaner. Cured foam must be removed mechanically. Cured foam may be trimmed or sanded.

**AVAILABILITY**

Flametech FB and other Everkem products are available from stocking distributors nationwide or direct from the manufacturer. For the name and telephone number of the nearest Everkem representative, call the number below or visit [www.everkemproducts.com](http://www.everkemproducts.com)

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**AVAILABILITY (CONT.)**  
PACKAGING OPTIONS

PACKAGING OPTIONS			
Part #	Description	Packaging	Color
DP44242	Flametech FB - 12oz. (354.88mL) Straw Dispensed Aerosol Can	12 cans/case	Orange

**MAINTENANCE**

Inspect sealant at a minimum of every five years. If sealant or bond of sealant is damaged, completely remove or cut away sealant in the damaged area, clean surface, and reapply sealant.

**TECHNICAL SERVICES**

Everkem representatives are available to assist you in selecting the sealant or adhesive appropriate for your application. For further assistance contact your local Everkem Diversified Products representative, call our corporate office at 1-800-638-3160, or contact us via our website at [www.everkemproducts.com](http://www.everkemproducts.com)

**WARRANTY**

Everkem Diversified Products warrants this product's performance provided it is properly stored and applied within 15 months. If when applied as directed this material proves to be defective, return the remaining product and proof of purchase for refund or replacement of product exclusive of labor or cost of labor. This is the sole and exclusive remedy for defects of product failure. The determination of eligibility for this warranty shall be made at the sole discretion of Everkem Diversified Products and any decision made shall be final. This warranty is in lieu of any other warranties, expressed or implied, including but not limited to a warranty of merchantability or fitness for a particular purpose, and in no instance will Everkem Diversified Products be liable for damages in excess of the purchase price, except where such exclusion or limitation is prohibited by state law. Users must read and follow the directions of the current Technical Data Guide and SDS prior to product use. The user determines the suitability of the product intended for use and assumes all risks. Recommendations for the use of this product are based on tests we believe to be reliable. The manufacturer and seller are not responsible for results where the product is used under conditions not in strict accordance with our published recommendations and in applications considered suitable for this product. Everkem Diversified Products shall not be responsible for the use of this product in a manner to infringe upon any patent or any other intellectual property rights held by others.

**CAUTIONS**



**DANGER: EXTREMELY FLAMMABLE. CONTAINS GAS UNDER PRESSURE; MAY EXPLODE IF HEATED. CAUSES SERIOUS EYE IRRITATION. MAY CAUSE DROWSINESS OR DIZZINESS. REPEATED EXPOSURE TO SKIN MAY CAUSE DRYNESS OR CRACKING.** Keep away from heat, sparks, open flames, and/or hot surfaces. No smoking. Do not spray on open flames or other ignition sources. Do not puncture, incinerate, or store can above 122°F (50°C). Do not breathe mist, vapors, or spray. Avoid contact with eyes and skin. Wear protective gloves. Wear eye or face protection. Wear clothing that protects against dermal exposure. Wash hands thoroughly after handling. **IF ON SKIN:** Wash with soap and water. Remove contaminated clothing, washing before reuse. If skin irritation occurs: Get medical attention. **IF IN EYES:** Rinse cautiously with water. Remove contact lenses if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention. **IF INGESTED:** Wash mouth with water. Remove victim to fresh air. Give small quantities of water to drink. Do not induce vomiting. Store locked up. Dispose of contents in accordance with all local, regional, national, and international regulations. **KEEP OUT OF REACH FROM CHILDREN.**

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