

# FLAMETECH INTUMESCENT FIRESTOP COLLAR

## INTUMESCENT FIRESTOPPING DEVICE

**PRODUCT NAME**

FlameTech Intumescent Firestop Pipe Collar

**MANUFACTURER**

Everkem Diversified Products  
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**PRODUCT DESCRIPTION**

FlameTech Intumescent Firestop Pipe Collars are prefabricated, ready-to-use firestop devices for the protection of plastic pipe and conduit through-penetrations in fire-rated systems.

The intumescent collars consist of a steel collar and an intumescent strip. In fire conditions, the intumescent strip expands to seal any openings that would otherwise develop as the plastic pipe deteriorates.

**APPLICATIONS**

- Multi-family & commercial construction
- Applications where up to a 3 hour fire-rating is required
- Suitable for use on 1.5", 2", 3", and 4" nominal plastic pipes
- Closed and vented plastic pipes
- Good for use with ABS, FRPP, PVC, and CPVC pipe

**ADVANTAGES**

- Tested to ASTM-E814
- Intumescent
- Up to 3-hour fire-rating
- Easy installation
- Chemically compatible with most pipe fittings, as well as all PVC, CPVC, ABS, PEX tubing and other applicable tested penetrating items

**LIMITATIONS**

- Not for use in outdoor environments where long-term exposure to rain or saltwater spray may occur

**AVAILABLE COLORS**

- FlameTech Intumescent Firestop Collars are available in Red

**TECHNICAL DATA**

**TYPICAL PHYSICAL PROPERTIES**

Materials:	Steel collar with intumescent strip
Asbestos Fillers:	None
Solvents:	None
Hazardous Ingredients:	None
Activation of Intumescence:	Expansion begins at 375°F (190°C); Expansion greatest at 575°to1100°F (302°C to 593°C)
ASTM-E814:	Tested to ASTM E-814: "Standard Test Method for Fire Tests of Penetration Firestop Systems"

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APPLICABLE STANDARDS  
& SPECIFICATIONS

**SPECIFIED DIVISIONS**

- Section 07 84 00 - Firestopping
- Section 07 84 13 - Penetration Firestopping
- Section 07 84 13.13 - Penetration Firestopping Devices
- Section 07 84 16 - Annular Space Protection
- Section 22 00 00 - Plumbing

**APPLICABLE STANDARDS/SPECIFICATIONS**

- ASTM-E814 - Standard Test Method for Fire Tests of Penetration Firestop Systems

**ECOSEAL STANDARDS**

- V.O.C. Content: <10 g/L

**INSTALLATION**

SURFACE PREPARATION

Surfaces should be clean of any debris or material that may prevent or deter proper contact of installation of firestopping pipe collars. Ensure that the area around the penetration is structurally sound to hold the collar.

APPLICATION

1. Select the proper collar to fit the diameter of pipe used. Refer to the applicable UL fire test system to ensure site installation details match the design selected. Be sure that the annular space of the penetrations are within the limits set by the UL tested conditions.
2. If specified by the UL tested diagram, install Firestop-814+ intumescent firestopping sealant as directed.
3. Fit intumescent strip and steel collar over the pipe and slide up to and against the floor or wall with fastening tabs oriented toward floor or wall. The ends of the intumescent strip should butt together as the collar is closed.
4. Mark fastener locations on floor or wall. Rotate collar and drill holes for fasteners. Roll collar tab back into position and fir collar locking tab into retainer.
  - For Floors:** Firestop collars must be installed on the underside of floors.
  - For Walls:** Install one Firestop collar on each side of the wall.
5. Fasten collar to the floor or wall with fasteners at each location.
  - Concrete:** Use ¼" (6mm) x 1¼" (32mm) hex washer head type concrete anchors or appropriate steel expansion/wedge anchors.
  - Gypsum:** Use ⅜" (3mm) x 2" (51mm) MOLLY type hollow wall anchors or 1½" (38mm) drywall or drywall laminating screws.

CLEANUP

Remove any shavings or dust from the installation area.

**AVAILABILITY**

Firestop-814+ 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)

PACKAGING OPTIONS

**PACKAGING OPTIONS**

Part #	Description	Packaging	Color
CLR-1	Instumescent Firestop Collar - 1.5" (38mm)	12 collars/case	Red
CLR-2	Instumescent Firestop Collar - 2" (50.8mm)	12 collars/case	Red
CLR-3	Instumescent Firestop Collar - 3" (76.2mm)	12 collars/case	Red
CLR-4	Instumescent Firestop Collar - 4" (101.6mm)	12 collars/case	Red

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### MAINTENANCE

Inspect the firestop system during the installation of material. In the event post-installation inspection or destructive sampling is necessary, repair the damaged firestop system by replacing any material that was damaged or removed with the same product originally installed, and ensuring the assembly matches the original firestop listing.

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### 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).

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### WARRANTY

Everkem Diversified Products warrants this product's performance provided it is properly stored and applied within 2 years. 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.

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### CAUTIONS

**WARNING: MAY CAUSE EYE IRRITATION. MAY CAUSE SKIN IRRITATION. MAY CAUSE IRRITATION TO MUCOUS MEMBRANES OF MOUTH, THROAT, STOMACH IF INGESTED.** Persons with pre-existing skin conditions or chemical allergies may be more susceptible to contact effects of the cured elastomer. Wear protective gloves. Wear eye or face protection. 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 AWAY FROM CHILDREN. NOT CONSIDERED HAZARDOUS BY OSHA HAZARD COMMUNICATION STANDARD**

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