

FIRESTOP-814+

INTUMESCENT ELASTOMERIC FIRESTOP CAULK

PRODUCT NAME

Firestop-814+ - Intumescent Elastomeric Firestop Caulk

MANUFACTURER

Everkem Diversified Products
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PRODUCT DESCRIPTION

Firestop-814+ offers comprehensive UL Testing for a wide range of electrical, plumbing, HVAC, and head-of-wall applications for "Through Penetrations" found in up to 4 hour fire-rated wood, gypsum, and concrete floor & wall assemblies. Firestop-814+ is a highly flexible, general-purpose firestopping sealant that conforms to ASTM-E814 (UL 1479) standards for multi-family and commercial firestopping applications.

APPLICATIONS

- Multi-family & commercial construction
- Electrical, plumbing, and other mechanical penetrations in wood, gypsum, and concrete floor and wall assemblies
- As a fire-rated acoustical sealant or smoke sealant

ADVANTAGES

- Tested to ASTM-E814
- Tested to ASTM-E1966
- Up to 4 hour fire-rating
- Intumescent & elastomeric
- Tested to ASTM-E90
- Tested to LEED v4 emissions requirements (CDPH Standard Method / CA Section 01350)
- Chemically compatible with most pipe fittings, as well as all PVC, CPVC, ABS, PEX tubing, and other applicable tested penetrating items
- Excellent freeze-thaw
- Easily identifiable color

LIMITATIONS

- Not intended for water immersion.
- Not intended for use against hot uninsulated surfaces above 300°F (149°C)

AVAILABLE COLORS

Firestop-814+ is available in Red

TECHNICAL DATA

TYPICAL PHYSICAL PROPERTIES

Typical Uncured Properties

Chemistry:	Acrylic
Uncured State:	Glossy paste
Odor:	Low acrylic odor
Application Temperature:	40°F to 120°F (4.4°C to 48.9°C)
Tooling Time:	30 minutes
Full Cure Time:	3 to 4 weeks
Shelf Life:	2 years

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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:	Rubbery solid
ASTM-E814:	Tested to ASTM-E814 "Standard Test Method for Fire Tests of Penetration Firestop Systems"
ASTM-E1966:	Tested to ASTM-E1966 "Standard Test Method for Fire-Resistive Joint Systems"
ASTM-E84:	Meets ASTM-E84 "Standard Test Method for Surface Burning Characteristics of Building Materials" 10 Flame Spread / 0 Smoke Developed
ASTM-E90:	Tested to ASTM-E90 "Standard Test Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions and Elements" in a 65 STC Wall
LEED v4 Emissions:	Tested to CDPH Standard Method / CA Section 01350 Emissions Testing
Service Temperature:	Tested to time-temperature requirements of ASTM-E119
Paintability:	Paintable with latex paint after 2-hours; with oil-based paint after 24+ hours
Movement:	Elastomeric, suited for uses where dynamic movement is expected
V.O.C. Content:	< 10 g/l

APPLICABLE STANDARDS & SPECIFICATIONS
SPECIFIED DIVISIONS

- Section 07 84 00 - Firestopping
- Section 07 84 13 - Penetration Firestopping
- Section 07 84 16 - Annular Space Protection
- Section 07 84 43 - Fire-Resistant Joint Sealants
- Section 07 86 00 - Smoke Seals
- Section 07 92 00 - Joint Sealants
- Section 07 92 13 - Elastomeric Joint Sealants
- Section 07 92 19 - Acoustical Joint Sealants
- Section 22 00 00 - Plumbing
- Section 23 00 00 - Heating, Ventilating, and Air Conditioning (HVAC)
- Section 26 00 00 - Electrical
- Section 27 05 37 - Firestopping Communications Systems

APPLICABLE STANDARDS/SPECIFICATIONS

- ASTM-E814 - Standard Test Method for Fire Tests of Penetration Firestop Systems
- ASTM-E1966 - Standard Test Method for Fire Resistive Joint Systems
- ASTM-E84 - Standard Test Method for Surface Burning Characteristics of Building Materials
- ASTM-E90 - Standard Test Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions and Elements.

ECOSEAL STANDARDS

- CDPH SM / CA Section 01350 Emissions Testing for LEED v4 Compliance
- V.O.C. Content: < 10 g/l

INSTALLATION
SURFACE PREPARATION

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

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INSTALLATION (CONT)
APPLICATION

1. Refer to the manufacturer's UL specified application procedures to ensure proper application of the firestop sealant.
2. Fill the annular space or void with Firestop-814+ to the required depth.
3. When encountering multiple wires or cables through a single penetration, be sure to apply caulking between and around wires to ensure complete contact of filling material with the wire substrates and annular space surface.
4. There should be no visible passage upon completion of the firestop application.
5. Sealant normally "skins over" in 15 minutes, dries to touch in 1 hour, and cures and in 24 hours. Allow 3 to 4 weeks for full cure.

CLEANUP

Excess caulk should be cleaned off tools and nonporous surfaces while it is the uncured state, using a dry cloth or paper towels. Excessive amounts may require the use of a solvent such as acetone or mineral spirits. Cured compound should be cut away.

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

PACKAGING OPTIONS

PACKAGING OPTIONS

Part #	Description	Packaging	Color
FS814+	Firestop-814+ - 10.1 Fl. Oz. (298.7mL) Tube	12 tubes/case	Red
FS814+20	Firestop-814+ - 20 Fl. Oz. (591.48mL) Tube	16 tubes/case	Red
FS814+28	Firestop-814+ - 28 Fl. Oz. (828.06mL) Fiber Tube	12 tubes/case	Red
FS814+5	Firestop-814+ - 5 Gallon (106L) Pail	Each	Red

MAINTENANCE

Inspect the firestop system during the installation of the 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.

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.

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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.

CAUTIONS

MAY CAUSE SERIOUS EYE IRRITATION. CAUSES SKIN IRRITATION. MAY CAUSE RESPIRATORY IRRITATION. 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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