

FLAME GUARD-814

NONCOMBUSTIBLE FIRESTOPPING CAULK

PRODUCT NAME

Flame Guard-814 - Noncombustible Firestopping Caulk

MANUFACTURER

 Everkem Diversified Products
 120 Regent Drive, Winston Salem, NC 27103
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PRODUCT DESCRIPTION

Flame Guard-814 non-combustible firestopping caulk is a UL classified sealant designed to resume the integrity of 1 & 2 hour fire-rated floors and walls when penetrated by plumbing, electrical, or other mechanical items. The Flame Guard -814 forms an effective barrier to prevent the spread of flames, smoke, and toxic gases. Flame Guard-814 has been tested, classified, and approved to be used as a filler for "through penetration" firestop systems.

APPLICATIONS

- Commercial construction
- 1 and 2 hour fire rated concrete floor and walls
- Cables, metal pipes, and open voids

ADVANTAGES

- Tested to ASTM-E814
- Meets ASTM-E136
- Excellent adhesion

LIMITATIONS

- Not intended for water immersion

AVAILABLE COLORS

Flame Guard-814 is available in Brick Red

TECHNICAL DATA
TYPICAL PHYSICAL PROPERTIES
Typical Uncured Properties

Chemistry:	Silicate mortar
Application Temperature:	40°F to 120°F (4.4°C to 48.9°C)
Tooling Time:	15 minutes
Full Cure Time:	2 to 3 days
Shelf Life:	1 year

Typical Cured Properties

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

Cured State:	Solid mortar
ASTM-E814:	Meets ASTM-E814 "Standard Test Method for Fire Tests of Penetration Firestop Systems"
ASTM-E136:	Meets ASTM-E136 "Standard Test Method for Behavior of Materials in a Vertical Tube Furnace at 1382°F (750°C)"
ASTM-E84:	Meets ASTM-E84 "Standard Test Method for Surface Burning Characteristics of Building Materials" Flame Spread: 0, Smoke Developed: 0
Service Temperature:	-30°F to 2700°F (-34.4°C to 1482°C)
V.O.C. Content:	< 1 g/l

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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 Mortars
- Section 07 84 16 - Annular Space Protection
- Section 07 90 00 - Joint Protection
- Section 07 92 00 - Joint Sealants
- Section 22 00 00 - Plumbing
- Section 23 00 00 - Electrical

APPLICABLE STANDARDS/SPECIFICATIONS

- ASTM-E814 - Standard Test Method for Fire Tests of Penetration Firestop Systems
- ASTM-E136 - Standard Test Method for Behavior of Materials in a Vertical Tube Furnace at 1382°F (750°C)

ECOSEAL STANDARDS

- V.O.C. Content: <1 g/l

INSTALLATION

SURFACE 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. 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 Flame Guard-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 2 to 3 days for full cure.

CLEANUP

Excess caulk should be cleaned off tools and nonporous surfaces while it is in an 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

Flame Guard-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
FG-814	Flame Guard-814 - 10.1 Fl. Oz. (298.7mL) Tube	12 tubes/case	Brick Red
FG-814-28	Flame Guard-814 - 28 Fl. Oz. (828.01mL) Tube	12 tubes/case	Brick Red
FG-814-5	Flame Guard-814 - 5 Gallon (106L) Pail	Each	Brick Red

MAINTENANCE

Inspect the firestop system during 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.

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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.

WARRANTY

Everkem Diversified Products warrants this product's performance provided it is properly stored and applied within 1 year. 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



WARNING: CAUSES 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.**



WARNING: This product can expose you to chemicals including Titanium dioxide, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov

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