

SECTION 07 84 00

FIRESTOPPING

1 PART 1 GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of Contract, including General and Supplementary Conditions and Division 1 specification sections, apply to work of this section.

1.2 SECTION INCLUDES

- A. Firestopping materials and accessories.

1.3 SYSTEM DESCRIPTION

- A. Firestopping Materials: Complete systems of materials tested under ASTM E119, ASTM E814, UL 263, UL 1479 to achieve a fire rating as noted on Drawings.
- B. Surface Burning: ASTM E84, UL 723 with a flame spread / smoke developed rating of 0/0
- C. Firestop all interruptions to fire rated assemblies, materials and components.

1.4 SUBMITTALS

- A. Product Data: Provide data on product characteristics, performance and limitation criteria.
- B. Manufacturer's Certificate: Certify that products meet or exceed specified requirements.
- C. Schedule: Provide a schedule of openings and penetrations requiring firestopping and firesafing. Correlate with products submitted, fire ratings, and testing agency test results.

2 PART 2 PRODUCTS

2.1 FIRESTOPPING MATERIALS

- A. Manufacturers:
 - 1. Hilti USA
 - 2. Isolatek International (Cafco Products).
 - 3. Specified Technologies Inc.
 - 4. 3M Fire Protection Products.
 - 5. United States Gypsum Co.

6. Substitutions permitted.
- B. Firestopping Material: Mineral fiber stuffing insulation.
 1. USG Thermafiber Safing Insulation.
 - a. Density: 4.0 lb/cu ft.
- C. Firestopping Material: Single component mortar compound.
 1. Hilti CP 637 Firestop Mortar
 2. Cafco TPS Mortar.
 3. SpecSeal Fire Rated Mortar SSM
 4. USG Firecode Compound.
- D. Firestopping Material: Single component elastomeric compound.
 1. Cafco TPS Type C.
 2. Hilti FS-One High Performance Sealant
 3. SpecSeal Latex Sealant LC150
 4. 3M Fire Barrier CP 25WB+ Caulk.
 5. USG Smoke-Seal Compound.

2.2 ACCESSORIES

- A. Primer: Type recommended by firestopping manufacturer for specific substrate surfaces.
- B. Dam Material: Permanent:
 1. As required by manufacturer to meet system listing.
- C. Installation Accessories: Clips, collars, fasteners, temporary stops or dams, and other devices required to position and retain materials in place.

3 PART 3 EXECUTION

3.1 EXAMINATION AND PREPARATION

- A. Verify openings are ready to receive the work of this section.
- B. Clean substrate surfaces of matter which may effect bond of firestopping material.
- C. Install backing materials to arrest liquid material leakage.

3.2 APPLICATION

- A. Apply primer and materials in accordance with manufacturer's instructions.
- B. Apply firestopping material in sufficient thickness to achieve rating, in manner consistent with tested and listed assemblies.
- C. Install material at openings and edge of floor slabs requiring firestopping.
- D. Install material at walls or partition openings which contain penetrating sleeves, piping, duct work, conduit and other items, requiring firestopping.
- E. Protect installed firestopping from damage during construction operations.

...END OF SECTION 07 84 00