

SECTION 07270

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.
- D. Fire Stopping Details: Provide complete complement of U.L. fire stopping installation details pertinent to all project conditions requiring fire stopping. These details shall remain on site allowing the installation process to be continuously monitored. Installers shall be properly trained and shall be experienced and knowledgeable with all applications.

2 PART 2 PRODUCTS

2.1 FIRESTOPPING MATERIALS

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

- 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. Cafco TPS Mortar.
 - 2. SpecSeal Fire Rated Mortar SSM
 - 3. USG Firecode Compound.
- E. Firestopping Material: Single component elastomeric compound.
 - 1. Cafco TPS Type C.
 - 2. SpecSeal Latex Sealant LC150
 - 3. 3M Fire Barrier CP 25WB+ Caulk.
 - 4. 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.
- F. Protect installed firestopping from damage during construction operations.

END OF SECTION