

Sample Specification

2.01 FIRESTOPS FOR MULTI-CABLE & CABLE TRAY PENETRATIONS

- A. Firestopping materials and systems shall meet the requirements specified herein.
1. All firestop products and systems shall be devices designed and installed so that the basic sealing system will allow the full restoration of the thermal and fire resistance properties of the barrier being penetrated with minimal repair if penetrants are subsequently removed.
 2. When penetration is through a gypsum wall the openings must be sleeved with 16 gauge metal or heavier.
 3. Penetrations containing loose electrical, data or communications cabling shall be protected using firestopping products that allow unrestricted cable changes without damage to seal or use of caulk, putty or sealant.
 4. Firestopping materials and systems must be intumescent or capable of filling through-openings created by the burning or melting of combustible pipes, pipe insulation materials or cable jacketing and the deflection of sheet metal due to thermal expansion.
 5. Firestop system shall have F and T Ratings suitable for intended service, UL tested.
 6. All materials shall have a minimum one-year shelf life.
 7. Materials shall not affect or derate the properties of cables in energized cable applications.
 8. Firestop materials shall not contain flammable or toxic solvents and shall not produce toxic or flammable out-gassing during the drying or curing process.

2.02 THROUGH-PENETRATION FIRESTOPPING OF FIRE-RATED CONSTRUCTION

- A. Through-penetration firestop product(s) tested to ASTM E814 listed in the UL Fire Resistance Directory in which it is classified as a fill, void or cavity material or a firestop device. This should be classified for approval with the particular type of penetrating item and the wall or floor assembly that the item is penetrating in order to maintain the integrity required.
- B. Additional requirements refer to section 2.01.

2.03 ACCEPTABLE MANUFACTURERS/ SUPPLIERS

- A. Dorn Equipment Corp., 27 Upham Street, Melrose, Massachusetts 02176

2.04 MATERIALS

A. Firsto Fire Stop (Type FSP), for use on floor and concrete wall openings

1. Enclosure Device – a two-piece enclosure (lower casing and top cover) formed of .061" thick steel. The lower casing has flanged edges of 2.375" and the top cover is reinforced with steel angle brackets.
2. Fixation plate – a .25" steel angle bracket used as the main support for the firestop unit. The depth of the unit is 10"; the width and height dimensions are based on the size of the cable tray, or wall or floor opening.
3. Fill Void or Cavity Materials - Fire Resistant Rubber Sponge - Nominal 1" thick (Actifoam™ expands on application of heat) material supplied in sheets of 10" by 12". The sponge is a closed cell material and is unaffected by moisture.