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System No. C-BJ-4025

- 5. Firestop System The firestop system may be installed as an asymmetrical system in a floor and symmetrical or asymmetrical system in a wall assembly. The firestop system shall consist of the following items:
 - A. Fill, Void or Cavity Materials*—Fire Blocks Fire blocks installed with 5 in. (127 mm) dimension projecting through the opening, flush with the top surface of concrete or either wall surface. Blocks to be firmly packed and completely fill the entire length and width of the opening. Either one or a combination of the block types specified below may be used.
 - HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC FS 657 Fire Block or CFS-BL Firestop Block
 - B. Fill, Void or Cavity Materials*—Putty When cover plate is used, formed into pads 1/4 in. (6 mm) thick, installed around periphery of cable bundle, extending min 2 in. (51 mm) onto penetrant and overlapping cover plate by min 1/2 in. (13 mm).
 - HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC CP 618 Firestop Putty Stick
 - B1. Fill, Void or Cavity Materials*—Sealant (Optional) (Not Shown) When cover plate is used, min 1/2 in. (13 mm) thickness of fill material to be applied at cables/cover plate interface. Additional 3/8 in. (9.53 mm) bead of fill material applied at fill cover plate interface, overlapping cover plate.
 - HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC FS-ONE Sealant or FS-ONE MAX Intumescent Sealant.
 - C. Steel Cover Plate (Optional) Min 0.020 in. (0.51 mm) thick (No. 22 MSG) steel plate shall be cut to fit contour of the cable bundle. Steel cover plate secured to the sheathing with 1/4-20 bolts or screws spaced max 12 in. (305 mm) OC. Annular space between the cables and the cover plate shall be min 0 in. (point contact) to max 1 in. (25 mm). Annular space between cables and sheathing shall be min 0 in. (point contact) to max 1 in. (25 mm). Annular space between the cables and sheathing shall be min 0 in. (point contact) to max 1 in. (25 mm). In order to achieve a T, FT and FTH Rating greater than 0 Hr, the annular spaces shall be treated as described in Items 5B and 5B1. When the cover plate is not used or annular spaces are not treated, the T, FT and FTH Ratings are 0 Hr.
- * Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.



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