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System No. C-AJ-8252

CAJ 8252

- 3. Through-Penetrants One or more of the following pipes or conduits installed within the opening. Pipes or conduits installed along the same center line (as Item 2 if used) so that only one seam will exist in the composite sheet. The space between pipes or conduits, pipes or conduit and cables, and between pipes or conduits and periphery of opening shall be min 1 in. (25 mm). The following types and sizes of metallic pipes or conduits may be used:
 - A. Steel Pipe Nom 6 in. (152 mm) diam (or smaller) Schedule 10 (or heavier) steel pipe.
 - B. Iron Pipe Nom 6 in. (152 mm) diam (or smaller) cast or ductile iron pipe.
 - C. Conduit Nom 6 in. (152 mm) diam (or smaller) steel electrical metallic tubing.
 - D. Conduit Nom 6 in. (152 mm) diam (or smaller) rigid steel conduit.
- 4. Fill, Void or Cavity Materials* Putty Nom 1 in. (25 mm) wide by 1/8 in. (3 mm) thick putty strips double stacked and installed to tightly follow the contour of the through-penetrants around the entire perimeter. Adjoining lengths of putty strips butt seamed together by hand. One layer of putty required on each side of floor or wall assembly installed to project approx 1 in. (25 mm) beyond each face of the composite sheet (Item 5) on both sides of floor or wall assembly.

HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC - CP 619T Firestop Putty Roll, CP 617 Putty Pad

5. Fill, Void or Cavity Materials* — Composite Sheet — Rigid aluminum foil-faced intumescent sheet with steel backer. Sheets cut to tightly follow the contour of the cable bundle and/or through-penetrants with an annular space equal to or less than 1/4 in. (6 mm). Sheets cut to lap a min of 2 in. (51 mm) onto floor or wall surfaces. Sheet installed on top surface of floor or both surfaces of wall. Sheet to be installed with the steel backer exposed (aluminum foil facing against floor or wall surface) and secured to floor or wall surface with min 3/16 in. (4.8 mm) diam by 1-1/4 in. (32 mm) long steel anchor screws, in conjunction with min 1-1/4 in. (32 mm) diam steel fender washers. Max spacing of fasteners not to exceed 6 in. (152 mm) and max 2 in. (51 mm) from ends with additional fasteners located on each side of butted seams or slits (see Item 6) made to permit installation or the sheet around the cable tray.

HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC - Hilti CFS-COS Firestop Composite Sheet

- 6. Cover Strip Min 2 in. (51 mm) wide strip of min 0.021 in. thick (26 ga) stainless steel centered over entire length of the butted seam or slit made in the composite sheet (Item 5). Prior to installation of the steel strip, the seam or slit in the composite sheet shall be covered with a nom 1 by 1/8 in. (25 by 3 mm) thick strip of putty or 1/2 in. (13 mm) bead of sealant (Item 7). Steel cover strip secured to steel backer of composite sheet with steel sheet metal screws or steel rivets spaced max 3 in. (76 mm) OC on each side of seam or slit.
- 7. Fill, Void or Cavity Materials* One layer of 1 by 1/8 in. (25 by 3 mm) thick putty strips or 1/2 in. (13 mm) diam bead of sealant positioned under composite sheet around entire perimeter of through opening and under steel cover strip. In addition, generous application of putty or sealant (1 in. (25 mm) wide by 2 in. (51 mm) high dome) to be applied around the penetrating items at their egress from the intumescent sheet on both sides of the floor or wall assembly. When annular space between cable bundle and penetrant or between penetrants in less than 2 in. (51 mm), space between cable bundle and penetrant or between penetrants shall be filled to a min. height of 2 in. (51 mm) above floor or wall. In walls, FS-ONE MAX sealant shall be used around cable bundles and penetrants.

HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — CP 619T Firestop Putty Roll, CP 618 Firestop Putty Stick or FS-ONE MAX Intumescent Firestop Sealant



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^{*} Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.