



- B. FILL, VOID OR CAVITY MATERIAL* - CAULK OR SEALANT - APPLIED TO FILL THE ANNULAR SPACE FLUSH WITH THE TOP SURFACE OF THE FLOOR OR SLEEVE OR FLUSH WITH BOTH SURFACES OF WALL. WHEN NO PIPE COVERING THICKNESS IS 2 IN., MIN. THICKNESS OF CAULK FILL MATERIAL IS 2 IN. WHEN NO. PIPE COVERING THICKNESS IS 1-1/2 IN. OR LESS, MIN. THICKNESS OF CAULK FILL MATERIAL IS 1 IN. THE HOURLY F AND T RATINGS OF THE FIRESTOP SYSTEM ARE DEPENDENT UPON THE THICKNESS OF THE FLOOR OR WALL, THE SIZE OF PIPE, THE THICKNESS OF PIPE COVERING MATERIAL AND THE SIZE OF THE ANNULAR SPACE (BETWEEN THE PIPE COVERING MATERIAL AND THE EDGE OF THE CIRCULAR THROUGH OPENING) AS SHOWN IN THE FOLLOWING TABLE:

3M. COMPANY - CP 25WB+ OR FB-3000 WT

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3. FILL, VOID OR CAVITY MATERIAL WITH CAULK OR SEALANT - MIN. 5/8, 1-1/4, 1-7/8 AND 2-1/2 IN. THICKNESS OF CAULK FOR 1, 2, 3 AND 4 HR RATED ASSEMBLIES, RESPECTIVELY, APPLIED WITHIN 1/8 IN. OF JOINTS, JOINTS WITH BOTH SURFACES FINISHED WITH 1/8 IN. DIA. BEAD OF CAULK APPLIED TO GYPSUM BOARD/PENETRANT INTERFACE AT POINT CONTACT LOCATION ON BOTH SIDES OF WALL. THE HOURLY 'F' RATING OF THE FIRESTOP SYSTEM IS DEPENDENT UPON THE HOURLY 'F' RATING OF THE WALL ASSEMBLY IN WHICH IT IS INSTALLED, AS SHOWN IN THE FOLLOWING TABLE. THE HOURLY 'F' RATING OF THE FIRESTOP SYSTEM IS DEPENDENT UPON THE TYPE OF THE PIPE OR CONDUIT AND THE HOURLY 'F' RATING OF THE WALL ASSEMBLY IN WHICH IT IS INSTALLED, AS TABULATED BELOW:

+WHEN COPPER PIPE IS USED, T RATING IS 0 HR.

3M COMPANY - TYPE CP 25WB+ OR FB-3000 W

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3. PIPE COVERING*—THE 0.1 OR 0.2 IN. (2.5 OR 51 MM) THICK HOLLOW CYLINDRICAL HEAVY DENSITY (MIN 3.5 PCF) GLASS FIBER UNITS JACKED ON THE OUTSIDE OF THE PIPE TO PROVIDE SERVICE JACKET. LONGITUDINAL JOINTS SEaled WITH METAL FASTENERS OR FACTORY-APPLIED SELF-SEALING LAP TAPE. TRANSVERSE JOINTS SEaled WITH METAL FASTENERS OR WITH BUTT STRIP TAPE SUPPLIED WITH THE PRODUCT. WHEN NOM. 1 IN. (25.4 MM) THICK PIPE COVERING IS USED, THE ANNUAL SPACE BETWEEN THE PIPE COVERING AND THE CIRCULAR CUTOUT IN THE GYPSUM WALLBOARD LAYERS ON EACH SIDE OF THE WALL SHALL BE MIN. 1/4 IN. TO MAX. 3/8 IN. (6 MM TO MAX 10 MM) WHEN NOM. 2 IN. (51 MM) THICK PIPE COVERING IS USED, THE ANNUAL SPACE BETWEEN THE PIPE COVERING AND THE CIRCULAR CUTOUT IN THE GYPSUM WALLBOARD LAYERS ON EACH SIDE OF THE WALL SHALL BE MIN 1/2 IN. TO MAX 3/4 IN. (13 MM TO MAX 19 MM)

SEE PIPE AND EQUIPMENT COVERING MATERIALS (BRGU) CATEGORY IN BUILDING MATERIALS DIRECTORY FOR NAME OF MANUFACTURERS. ANY PIPE COVERING MATERIAL MEETING THE ABOVE SPECIFICATIONS AND BEARING THE UL CLASSIFICATION MARKING WITH A FLAME SPREAD INDEX OF 25 OR LESS AND A SMOKE DEVELOPED INDEX OF 50 OR LESS MAY BE USED.

THE HOURLY T RATING OF THE FIRESTOP SYSTEM IS 3/4 HR WHEN NOM. 1 IN. (25 MM) THICK PIPE COVERING IS USED. THE HOURLY T RATING OF THE FIRESTOP SYSTEM IS 1 HR. AND 1-1/2 HR. WHEN NOM. 2 IN. (51 MM) THICK PIPE COVERING IS USED WITH 1 HR. AND 2 HR. FIRE RATED WALLS, RESPECTIVELY.

- A. FILL, VOID OR CAVITY MATERIALS* - WRAP STRIP - NOM. 1/4 IN. (6 MM) THICK INTUMESCENT ELASTOMERIC MATERIAL FACE ON ONE SIDE WITH ALUMINUM FOIL, SUPPLIED IN 2 IN. (51 MM) WIDE STRIPS, NOM. 2 IN. (51 MM) WIDE STRIP TIGHTLY WRAPPED AROUND PIPE COVERING (EQU. SIDE OUT) WITH SEAM BUTTED. WRAP STRIP LAYER SECURELY BOUND WITH STEEL

WIRE OR ALUMINUM FOIL TAPE AND SLID INTO ANNULAR SPACE APPROX 1-1/4 IN. (32 MM) SUCH THAT APPROX. 3/4 IN. (19 MM) OF THE WRAP STRIP WIDTH PROTRUDES FROM THE WALL SURFACE. ONE LAYER OF WRAP STRIP IS REQUIRED WHEN NOM. 1 IN. (25 MM) THICK PIPE COVERING IS USED. TWO LAYERS OF WRAP STRIP ARE REQUIRED WHEN NOM. 2 IN. (51 MM) THICK PIPE COVERING IS USED.

3M COMPANY - FS-195+

B. FILL, VOID OR CAVITY MATERIALS* - CAULK OR SEALANT - MIN. 1/4 IN. (6 MM) DIAM CONTINUOUS BEAD APPLIED TO THE WRAP STRIP/WALL INTERFACE AND TO THE EXPOSED EDGE OF THE WRAP STRIP LAYER APPROX 3/4 IN. (19 MM) FROM THE WALL SURFACE.

3M COMPANY - CP 25WB+, IC 15WB, FIREDAM 150+ OR FB-3000 WT

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