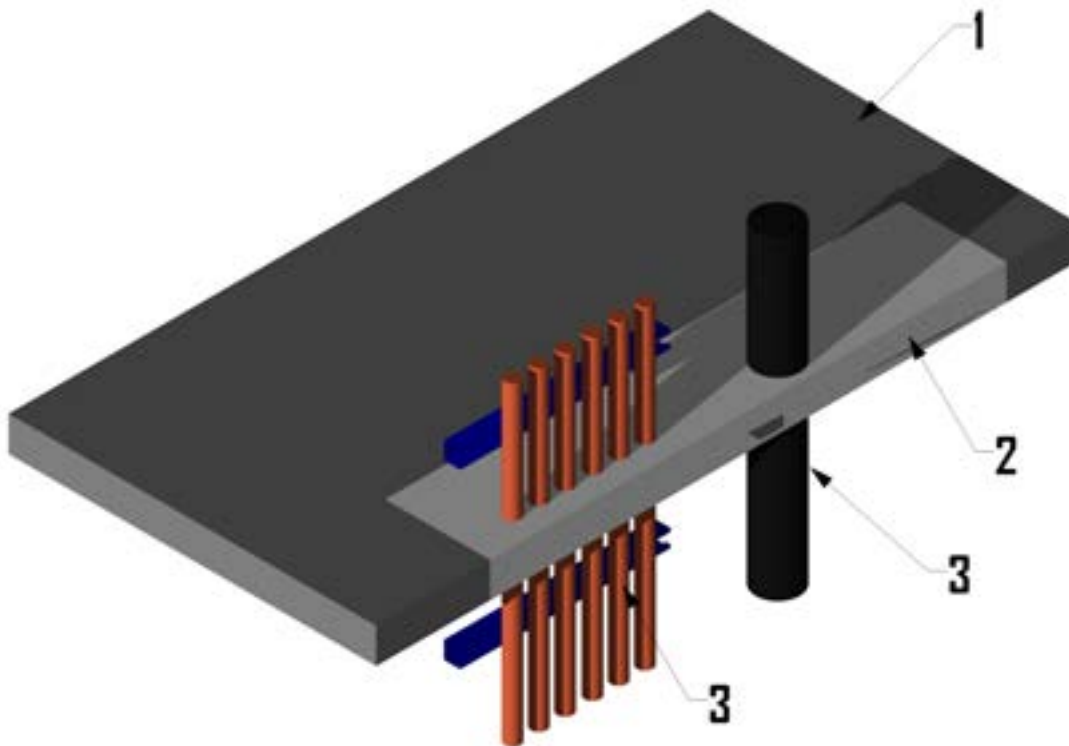


**AD/PFSM 180-01  
(Formerly AD/PHV 180-01)  
Horizontal or Vertical (Floor or Wall)  
A/D Fire Protection Systems  
Fire Barrier Mortar  
ASTM E814  
F Rating: 3 hours**

Penetration	T Rating
None	3 hours
Type A	15 minutes
Type B	15 minutes
Type C	15 minutes
Type D	15 minutes
Type E	0 minutes

**Test Furnace Internal Positive Pressure Differential-5 Pascal (0.02-in. H<sub>2</sub>O) Minimum**



1. Floor or wall: Minimum depth as necessary for required grade of fire separation, but a minimum of 3 in. Maximum size of opening for penetrations is 57-1/2 in. x 60 in. (1460 mm x 1525 mm).
2. CERTIFIED MANUFACTURER: A/D Fire Protection Systems

CERTIFIED PRODUCT: Fire stop Component

MODEL: A/D FIREBARRIER Mortar

Apply fire rated nonflammable acoustic/smoke seal firestop sealant at a minimum bead diameter of 3/8 in. (10 mm) into the joints where gypsum wall board meets a floor or ceiling assembly.

**Division 07 – Thermal and Moisture Protection**  
**07 84 00 Fire Stopping**  
**07 84 13.13 Penetration Fire Stopping Mortars**

**2 of 2**

3. Penetrations:

A. Nominal 3-1/2 in. (90mm) x 24 in. (620mm) steel ladder type cable tray spaced 1 in. (25mm) from perimeter of opening. Maximum cable and conduit loading not to exceed 32% by area of cable tray.

B. Maximum seventeen (17) Type 500 MCM COREFLEX II RA90XLPE or #6 AWG/4 90 XLPE TECK HL FT4 cables installed individually or 1/2 in. (13mm) apart in cable tray.

C. 2 in. (50mm) OD and 13/64 in. (5.0mm) wall thickness steel conduit

individually or spaced a minimum of 2 in. (50mm) from the cables in the tray.

D. Schedule 40 steel pipe, nominal 3-1/2 in. (90mm) OD spaced a minimum of 1-1/2 in. (38mm) from the edge of the opening and 2 in. (50mm) from the cables in the tray.

E. Nominal 3-1/4 in. (82mm) OD copper type with a 1/16 in. (1.59mm) wall thickness spaced a minimum of 1-1/2 in. (38mm) from the edge of the opening and 2 in. (50mm) from the cables in the tray.