

- B. Spray-Applied Fire Resistive Materials* (Not Shown) Prior to the installation of the steel ceiling runners, Forming Material and Fill, Void or Cavity Material (Items 2A, 3A, 3B), the roof assembly shall be sprayed with the type and thickness of fire resistive material indicated in the individual P700 Series design.
- 2. Wall Assembly Min 8 in. (203 mm) thick steel reinforced lightweight or normal weight (100-150 pcf) (1600 -2400 kg/m3) structural concrete. Wall may also be constructed of any UL Classified Concrete Blocks*.
 - See Concrete Blocks (CAZT) category in the Fire Resistance Directory for names of manufacturers.



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System No. HW-D-1037

Assembly Rating - 2 Hr Nominal Joint Width - 3-1/2 In. Class II Movement Capabilities - 14% Compression and Extension

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Joint System — Max separation between bottom of floor units and top of concrete wall at time of installation is 3-1/2 in. (89 mm). The joint system is designed to accommodate a max 14 percent compression or extension from its installed width. The joint system shall consists of the following:

 A. Forming Material* — Nom 4 in. (102 mm) thick pieces of nom 4 pcf (64 kg/m3) forming material sized to attain a min compression rate of 50 percent in the thickness direction firmly packed to completely fill the flutes. Additional pieces of batt insulation, min 8 in. (203 mm) wide, shall be compressed 50 percent in thickness and installed edge first into joint opening between bottom of fluted floor or roof units and top of concrete wall.

THERMAFIBER INC — Type SAF

A1. Forming Material*—Plugs — Optional-Not Shown) Performed mineral wool plugs, formed to the shape of the fluted floor units, friction fit to completely fill the flutes above the ceiling runner. The plugs shall be flush with both wall surfaces. Additional forming material, described in Item 3A, to be used in conjunction with the plugs to fill the gap between the top of the wall and the bottom of the steel floor units. HILTI CONSTRUCTION CHEMICALS, DIV OF

HILTI INC - CP777 Speed Plugs

A2. Forming Material — As an alternate to Item 3A, min 6 pcf (96 kg/m3) ceramic blanket insulation installed in joint as a permanent form. Nominal 4 in (102 mm) thick pieces of nominal 6 pcf (96 kg/m3) forming material sized to attain a min compression rate of 50 percent in the thickness direction firmly packed to completely fill the flutes. Additional pieces of batt insulation, min 8 in. (203 mm) wide, shall be compressed 50 percent in thickness and installed edge first into joint opening between bottom of fluted floor or roof units and top of concrete wall.

B. Fill, Void or Cavity Material* - Sealant — A 1/8 in. (3.2 mm) wet thickness of fill material sprayed of trowled on each side of wall to completely cover mineral wool forming material and to overlap a min 1/2 in. (13 mm) onto steel floor units and concrete wall. When spray-applied fire resistive material* is applied to the steel deck, the fill material is to overlap the wall a min ½ in. and the spray-applied fire resistive material a min of 2 in. (51 mm) on both sides of the wall.

HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — CP672 Firestop Spray or CFS-SP WB Firestop Joint Spray

*Bearing the UL Classification Mark



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