



XHEZC.HW33 Firestop Systems

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Firestop Systems

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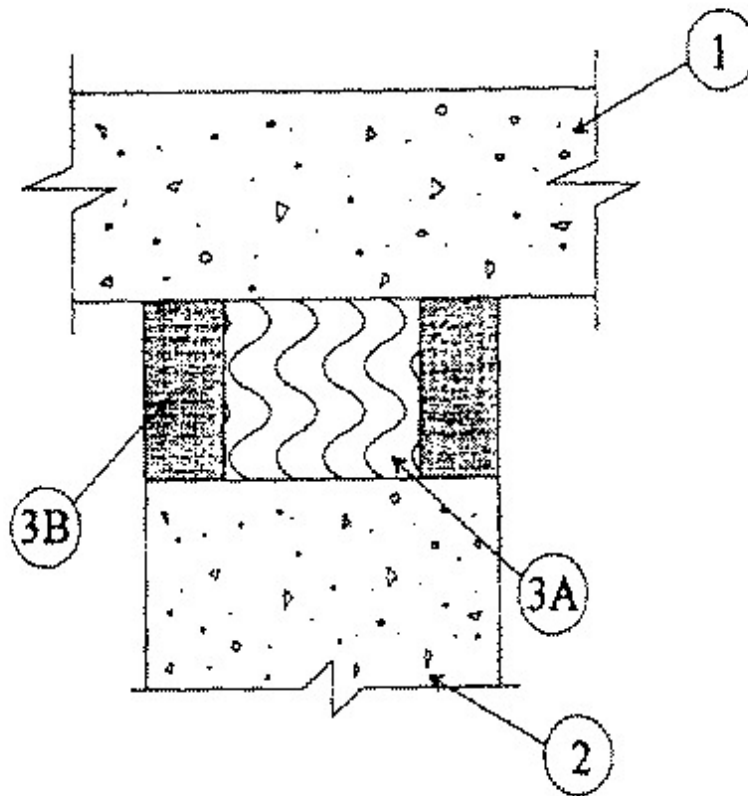
System No. HW33

October 03, 2005

F, FT, FH and FTH Ratings - 2 h

Nominal Joint Width - 84 mm

Movement Capabilities - 20% Compression or Extension



1. **Floor Assembly** — Minimum 115 mm thick steel-reinforced low-density or normal-density (1600 to 2400 kg/m^3) structural concrete.

2. **Wall Assembly** — Minimum 115 mm thick reinforced low-density or normal-density (1600 to 2400 kg/m^3) structural concrete. Wall may also be constructed of nominal 200 mm thick concrete block.

3. **Joint System** — Maximum separation between bottom of floor and top of wall (at time of installation of joint system) is 84 mm. The joint system is designed to accommodate a maximum 20% compression or extension from its installed width. The joint system consists of a forming material and a firestop material as follows:

- (a) **Firestop System Component** — (XHJZC). Minimum 64 kg/m³"A/D FIREBARRIER Mineral Wool" insulation installed in joint opening as a permanent form. Pieces of batt cut to minimum width of 102 mm and installed vertically, edge-first into joint opening, such that batt sections are compressed minimum 33% in thickness and such that the compressed batt sections are recessed from each surface of wall as required to accommodate the required thickness of firestop material. Adjoining lengths of batt to be tightly-buttressed with butted seams spaced minimum 610 mm apart along the length of the joint.

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- (b) **Firestop System Component** — (XHJZC). Minimum 6.4 mm thickness of "A/D FIREBARRIER Silicone Sealant" material applied within the joint, flush with each surface of wall.

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