



## System No. HW-D-1017 XHBN.HW-D-1017 Joint Systems

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### Design/System/Construction/Assembly Usage Disclaimer

- Authorities Having Jurisdiction should be consulted in all cases as to the particular requirements covering the installation and use of UL Certified products, equipment, system, devices, and materials.
- Authorities Having Jurisdiction should be consulted before construction.
- Fire resistance assemblies and products are developed by the design submitter and have been investigated by UL for compliance with applicable requirements. The published information cannot always address every construction nuance encountered in the field.
- When field issues arise, it is recommended the first contact for assistance be the technical service staff provided by the product manufacturer noted for the design. Users of fire resistance assemblies are advised to consult the general Guide Information for each product category and each group of assemblies. The Guide Information includes specifics concerning alternate materials and alternate methods of construction.
- Only products which bear UL's Mark are considered Certified.

### XHBN - Joint Systems

[See General Information for Joint Systems](#)

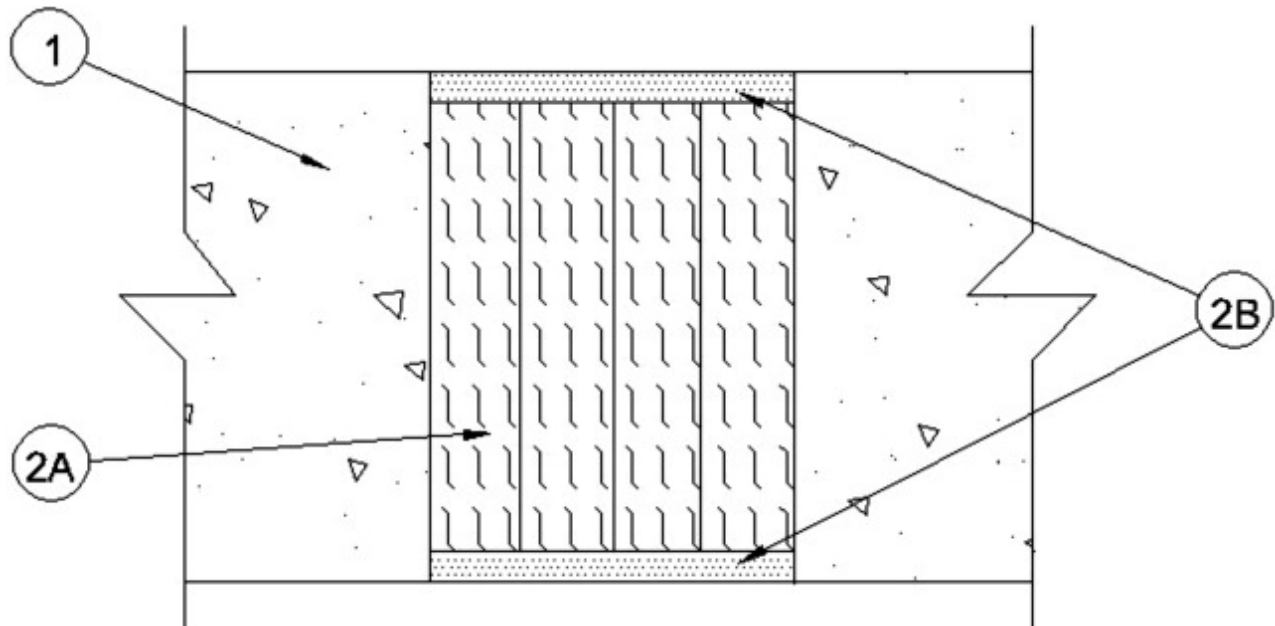
## System No. HW-D-1017

May 10, 2002

**Assembly Rating — 2 Hr**

**Nominal Joint Width — 3-5/16 in.**

**Class II Movement Capabilities — 20% Compression or Extension**



1. **Floor Assembly** — Min 4-1/2 in. thick reinforced lightweight or normal weight (100 - 150 pcf) structural concrete. Floor may also be constructed of any min 6 in. thick UL Classified hollow-core **Precast Concrete Units\***.

See **Precast Concrete Units** (CFTV) category in the Fire Resistance Directory for names of manufacturers.

2. **Wall Assembly** — Min 4-1/2 in. thick reinforced lightweight or normal weight (100 - 150 pcf) 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.

**3. Joint System — Max separation between bottom of floor and top of wall (at time of installation of joint system) is 3-5/16 in. The joint system is designed to accommodate a max 20 percent compression or extension from it's installed width.** The joint system shall consist of the following:

**A. Forming Material\*** — Min 4 pcf mineral wool batt insulation installed in joint opening as a permanent form. Pieces of batt cut to min width of 4 in. and installed edge-first into joint opening, parallel with joint direction, such that batt sections are compressed min 33 percent in thickness and that the compressed batt sections are recessed from each surface of the wall as required to accommodate the required thickness of fill material. Adjoining lengths of batt to be tightly-butted with butted seams spaced min 24 in. apart along the length of the joint.

**A/D FIRE PROTECTION SYSTEMS INC** — A/D FireBarrier Mineral Wool

**B. Fill, Void or Cavity Material\* - Sealant** — Nom 1/4 in. thickness of fill material applied within the joint, flush with each surface of wall.

**A/D FIRE PROTECTION SYSTEMS INC** — A/D FireBarrier Silicone

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

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