



**System No. HW-D-0647**  
**XHBN.HW-D-0647**  
**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**

**XHBN7 - Joint Systems Certified for Canada**

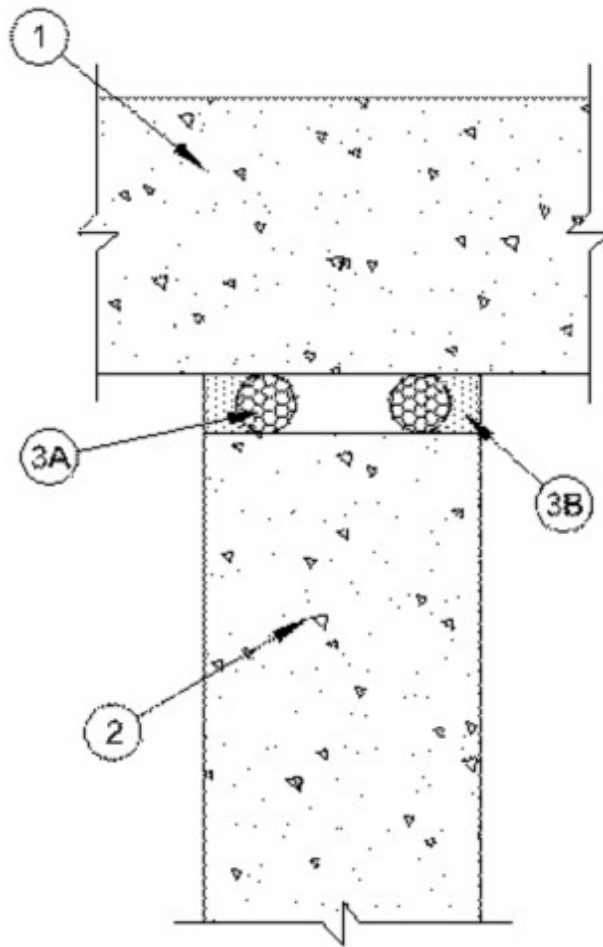
[See General Information for Joint Systems](#)

[See General Information for Joint Systems Certified for Canada](#)

**System No. HW-D-0647**

April 08, 2016

<b>ANSI/UL2079</b>	<b>CAN/ULC S115</b>
Assembly Rating — 2 Hr	F Rating — 2 Hr
Nominal Joint Width — 1 in.	FT Rating — 1 and 2 Hr
Class II or III Movement Capabilities — 3 % Compression or Extension	FH Rating — 2 Hr
L Rating At Ambient — Less Than 1 CFM/Lin Ft	FTH Rating —2 Hr
	Nominal Joint Width — 1 in.
	Class II or III Movement Capabilities — 3% Compression or Extension
	L Rating At Ambient — Less Than 1 CFM/Lin Ft



1. **Floor Assembly** — Min 4-1/2 in. (114 mm) thick reinforced lightweight or normal weight (100-150 pcf (1600-2400 kg/cu meter)) structural concrete.

2. **Wall Assembly** — Min 4-1/2 in. (114 mm) thick reinforced lightweight or normal weight (100-150 pcf (1600-2400 kg/cu meter)) 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 width of joint (at time of installation of joint system) is 1 in. (25 mm). The joint system is designed to accommodate a max 3 percent compression or extension from its installed width.** The joint system shall consist of the following:

A. **Packing Material** — Nom 1-1/2 in. (38 mm) diam polyethylene backer rod compressed and firmly packed into joint opening and recessed from both sides of wall to accommodate required thickness of fill material.

B. **Fill, Void or Cavity Material\* — Sealant** — Min 1/2 in. (13 mm) thickness of fill material applied within the joint, flush with both surfaces of wall.

**A/D FIRE PROTECTION SYSTEMS INC** — A/D FIREBARRIER Intumescent Sealant, A/D FIREBARRIER Intumescent Sealant II

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

Last Updated on 2016-04-08

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