



## XHBN.WW-D-0239 - JOINT SYSTEMS

## 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. WW-D-0239

May 16, 2019

#### ANSI/UL2079

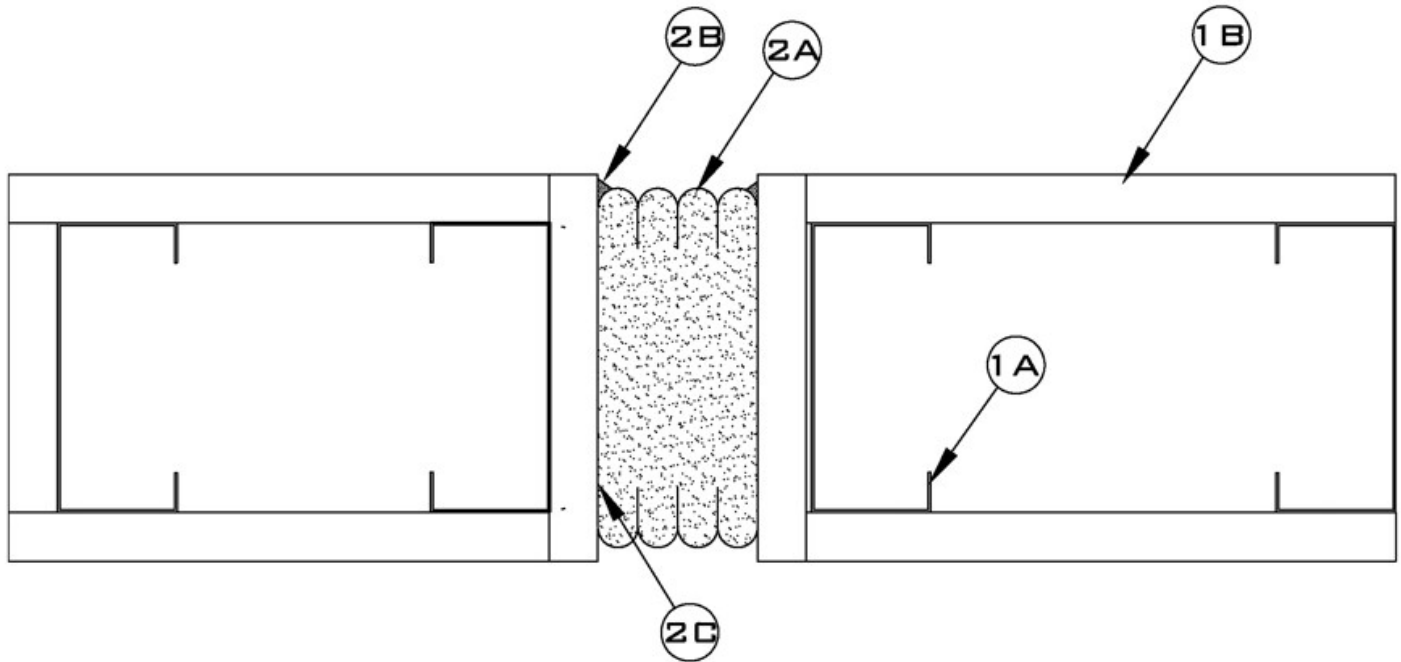
#### CAN/ULC S115

Assembly Ratings —1 Hr	F Ratings —1 Hr
Nominal Joint Width — 1/2 to 2 In.	FT Ratings —1 Hr
Class II or III Movement Capabilities — 50% Compression or Extension	FH Ratings —1 Hr
	FTH Ratings —1 Hr
	Nominal Joint Width —1/2 In. (13 mm) to 2 In. (50 mm)
<b>Cookies on UL</b>	Class II or III Movement Capabilities — 50% Compression or Extension

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**1. Wall Assembly** — The 1 hr fire rated framed gypsum wallboard wall assembly shall be constructed of the materials and in the manner specified in the individual U300, V300, U400, V400 or W400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:

A. **Studs** — Steel studs to be min 3-5/8 in. (89 mm) wide and spaced max 24 in. (610 mm) OC. Wood studs to be 2 by 4 in. (38 by 89 mm) lumber spaced max 16 in. (406 mm) OC.

B. **Gypsum Board\*** — Gypsum board to be installed to a min total thickness of 5/8 in. (16 mm) on each side of wall and on each stud face within joint opening.

**2. Joint System** — **Nominal width of joint is 1/2 to 2 in. (13 to 50 mm). The joint system is designed to accommodate a max 50 percent compression or extension from its installed width.** The joint system shall consist of the following:

A. **Mechanical Joint Assembly\*** — Compressed, fire-retardant impregnated, 3-3/4 in. (95 mm) deep foam coated on each side with silicone. Foam is installed in joint opening as a permanent form.

**EMSEAL L L C** — WFR1 Mechanical joint system.

B. **Sealant Band** — (Optional) — Watertight 3/4 in. (19 mm) deep silicone sealant band and corner bead supplied by joint system manufacturer, and installed in accordance with installation instruction.

C. **Epoxy adhesive** — Consists of two parts; part A (base), and part B (hardener). The epoxy is supplied by joint system manufacturer, and installed in accordance with installation instructions.

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**\* 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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