



**System No. FF-D-1137**  
**XHBN.FF-D-1137**  
**Joint Systems**

[Page Bottom](#)

**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**

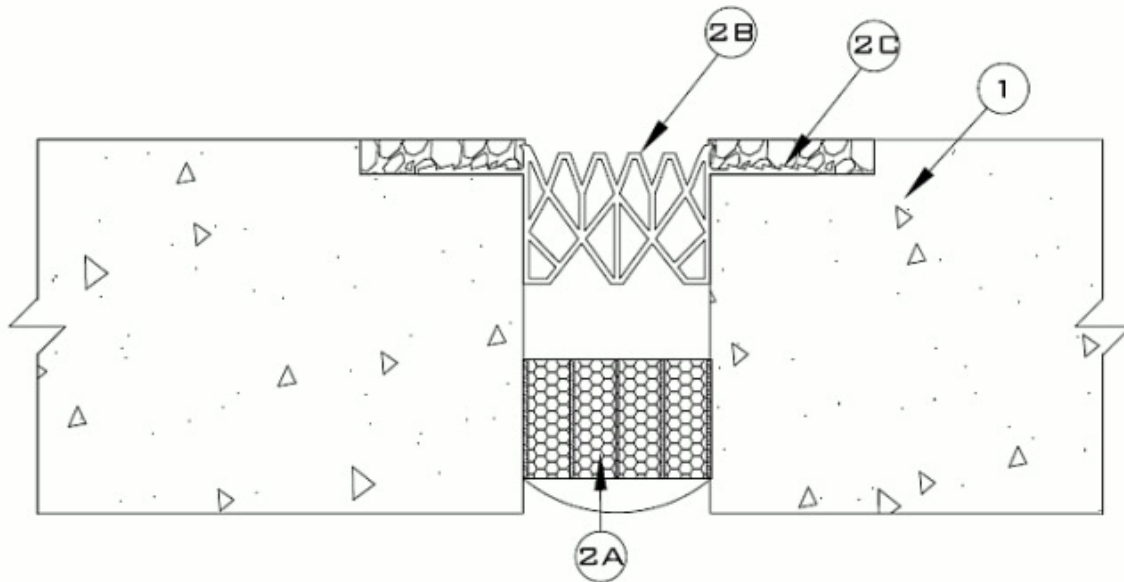
[See General Information for Joint Systems](#)

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

**System No. FF-D-1137**

November 01, 2013

ANSI/UL2079	CAN/ULC S115
Assembly Rating - 2 and 3 Hr	F Rating - 2 and 3 Hr
Nominal Joint Width — 4in.	FT Rating - 2 and 3 Hr
Class II and III Movement Capabilities - 50 % Compression or Extension	FH Rating - 0 Hr
	FTH Rating - 0 Hr
	Nominal Joint Width — 102 mm
	Class II and III Movement Capabilities — 50 % Compression or Extension



1. **Floor Assembly** — Min 8 in. (203 mm) thick reinforced lightweight or normal weight (100-150 pcf or 1600-2400 kg/m<sup>3</sup> concrete).

2. **Joint System** — Nominal width of joint (at time of installation of joint system) is 4 in. (102 mm) The joint system is designed to accommodate a max 50 percent compression and 50 percent extension from its installed width. Installation width may exceed or be less than 4 in (102 mm) provided installation width plus max. extension width does not exceed 6 in. (153 mm). The joint system shall consist of the following:

A. **Mechanical Joint Assembly\*** — Flexible multiple layer mat and foam installed in accordance with the installation instructions accompanying the units.

**BALCO INC** — METABLOCK™

B. **Joint Seal\*** — Nominal 4 in. (102 mm) Non-metallic joint seal secured with the supplied elastomeric concrete in accordance with manufacturer's instructions.

**BALCO INC** — CS Series joint seal

C. **Fill, Void or Cavity Material\*** — Two part primer, two part tack coat and three part elastomeric concrete installed in joint opening notch-out in conjunction with joint seal (Item 2C) in accordance with the joint seal installation instructions. The notch-out in the concrete floor assembly shall be treated with primer and tack coat prior to installation of the elastomeric concrete. The elastomeric concrete shall be installed at a min thickness of 3/4 in. (19 mm) and a min width of 2 in. (51 mm).

**BALCO INC** — Balco, Inc. EC-11 Elastomeric Concrete, Balco, Inc. TC-12 Tack Coat, Balco, Inc. Primer 2

**\* 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 2013-11-01

[Questions?](#)

[Print this page](#)

[Terms of Use](#)

[Page Top](#)

© 2016 UL LLC

The appearance of a company's name or product in this database does not in itself assure that products so identified have been manufactured under UL's Follow-Up Service. Only those products bearing the UL Mark should be considered to be Certified and covered under UL's Follow-Up Service. Always look for the Mark on the product.

UL permits the reproduction of the material contained in the Online Certification Directory subject to the following conditions: 1. The Guide Information, Assemblies, Constructions, Designs, Systems, and/or Certifications (files) must be presented in their entirety and in a non-misleading manner, without any manipulation of the data (or drawings). 2. The statement "Reprinted from the Online Certifications Directory with permission from UL" must appear adjacent to the extracted material. In addition, the reprinted material must include a copyright notice in the following format: "© 2016 UL LLC".