UL Product iQ®

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

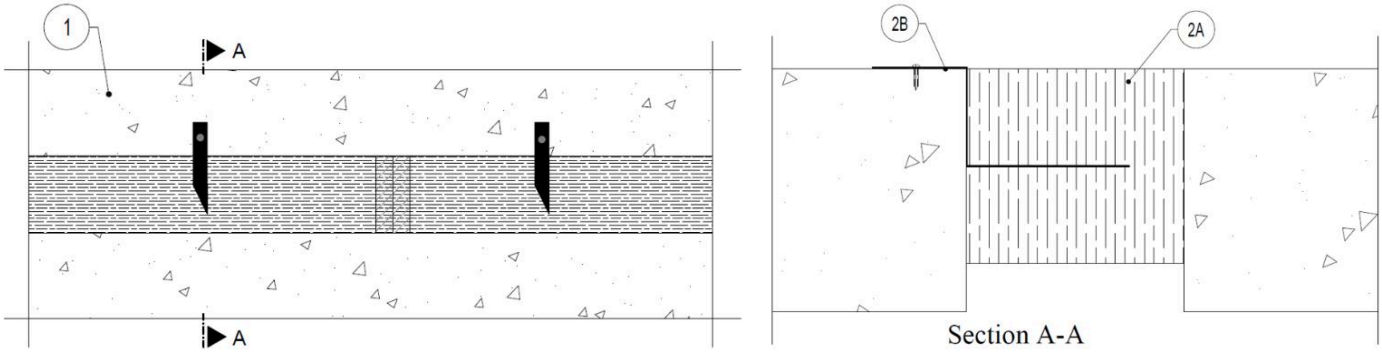
See General Information for Joint Systems

See General Information for Joint Systems Certified for Canada

System No. FF-D-1230

May 27, 2024

ANSI/UL2079	**CAN/ULC S115**
Assembly Rating – 2 Hr	F Rating – 2 Hr
	FT Rating – 2 Hr
	FH Rating – 0 Hr
	FTH Rating – 0 Hr
Nominal Joint Width – 5-1/3 In.	Nominal Joint Width – 135 mm
Class II Movement Capabilities – 10% Compression or Extension	Class II Movement Capabilities – 10% Compression or Extension
L Rating at Ambient - Less than 1 CFM/Lin Ft.	L Rating at Ambient - Less than 1.55 L/s/m
L Rating at 400 F - Less than 1 CFM/Lin Ft.	L Rating at 204 C - Less than 1.55 L/s/m



1. **Floor Assembly —** Min 5.9 in. (150 mm) thick reinforced aerated, lightweight or normal weight (38-150 pcf) (600-2400 kg/m^3) structural concrete.
2. **Joint System —** Max. width of joint (at time of installation of joint system) is 5-1/3 in. (135 mm). The joint system is designed to accommodate a max. 10 percent compression or extension from its installed width. The joint system shall consist of the following:
   A. **Forming Material* —** Foil faced mineral wool batt insulation 120 mm thick installed in joint opening as a permanent form. The width of forming material to be compressed is at least 20% greater than the width of the joint opening. The forming material is inserted into the linear gap such that its top surface is flush with the top-surface of the floor assembly using galvanized steel brackets (item 2B). Adjoining lengths of batt to be tightly-butted with splices spaced min 20-1/3 in. (515 mm) apart along the length of the joint. Splices shall be covered with 120 mm wide aluminum jointing tape (Siderise RFT120) on top side of the floor.

   SIDERISE INSULATION LTD – SIDERISE CW-FS 120

   B. **Forming material fixing bracket —** Galvanized steel bracket with nominal 0.04 in. (1mm) thickness and nominal 1 in. (25mm) width bent into “Z” shape and shall be impaled into the forming material at mid-thickness to an approximate depth of 75% of the forming material. The other horizontal leg of the “Z” bracket shall be fixed to the surface of the floor assembly as per installation instructions. Two brackets shall be used per piece of forming material of max. length 47 in.(1200mm) at a spacing of max. 23.6 in. (600mm) OC.

*** 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 2024-05-27