



XHBN.FF-D-1088 Joint Systems

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- Authorities Having Jurisdiction should be consulted in all cases as to the particular requirements covering the installation and use of UL Listed or Classified 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.
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Joint Systems

[See General Information for Joint Systems](#)

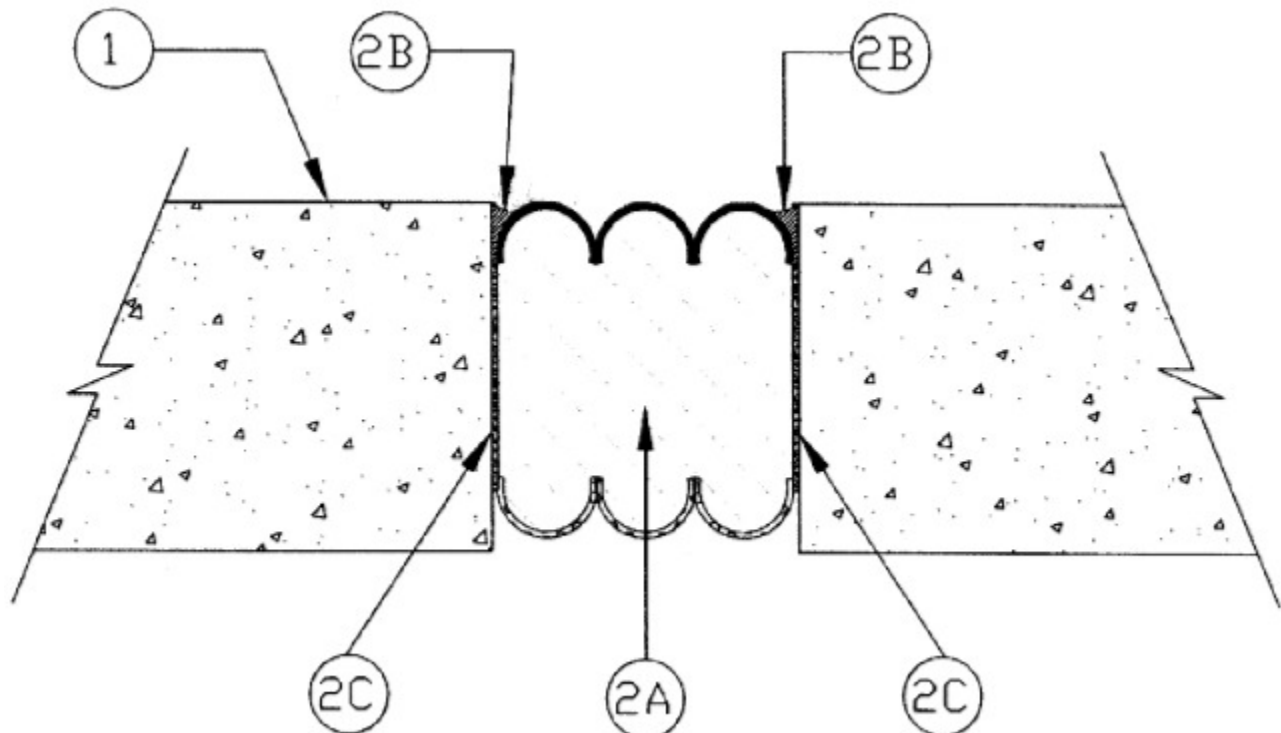
System No. FF-D-1088

April 30, 2010

Assembly Rating — 3 Hr

Nominal Joint Width — 2-1/4 to 4 in.

Class II & III Movement Capabilities — 25% Compression and Extension



1. **Floor Assembly** — Min 5 in. (127 mm) thick reinforced lightweight or normal weight (100-150 pcf, or 1600-2400 kg/cu

meter), structural concrete.

2. **Joint System** — Nominal width of joint is 2-1/4 to 4 in. (55 to 100 mm). The joint system is designed to accommodate a max 25 percent compression or extension from its installed width. The joint system shall consist of the following:

A. **Forming Material*** — Compressed, fire-retardant impregnated, 3 3/4 in. (95 mm) deep foam. Topside of foam is coated with polyurethane and underside is coated with intumescent. As an option, one additional layer of polyurethane may be applied over the underside layer of intumescent. Foam is installed in joint opening as a permanent form.

EMSEAL L L C — SSF3 Mechanical joint system.

B. **Sealant Band** — (Optional) —Watertight 3/4 in. (19 mm) deep polyurethane 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.

*Bearing the UL Classification Mark

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