

BXUV.S723 - FIRE-RESISTANCE RATINGS - ANSI/UL 263

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.

BXUV - Fire Resistance Ratings - ANSI/UL 263 Certified for United States

BXUV7 - Fire Resistance Ratings - CAN/ULC-S101 Certified for Canada

See General Information for Fire-resistance Ratings - ANSI/UL 263 Certified for United States Design Criteria and Allowable Variances

See General Information for Fire Resistance Ratings - CAN/ULC-S101 Certified for Canada Design Criteria and Allowable Variances

Design No. S723

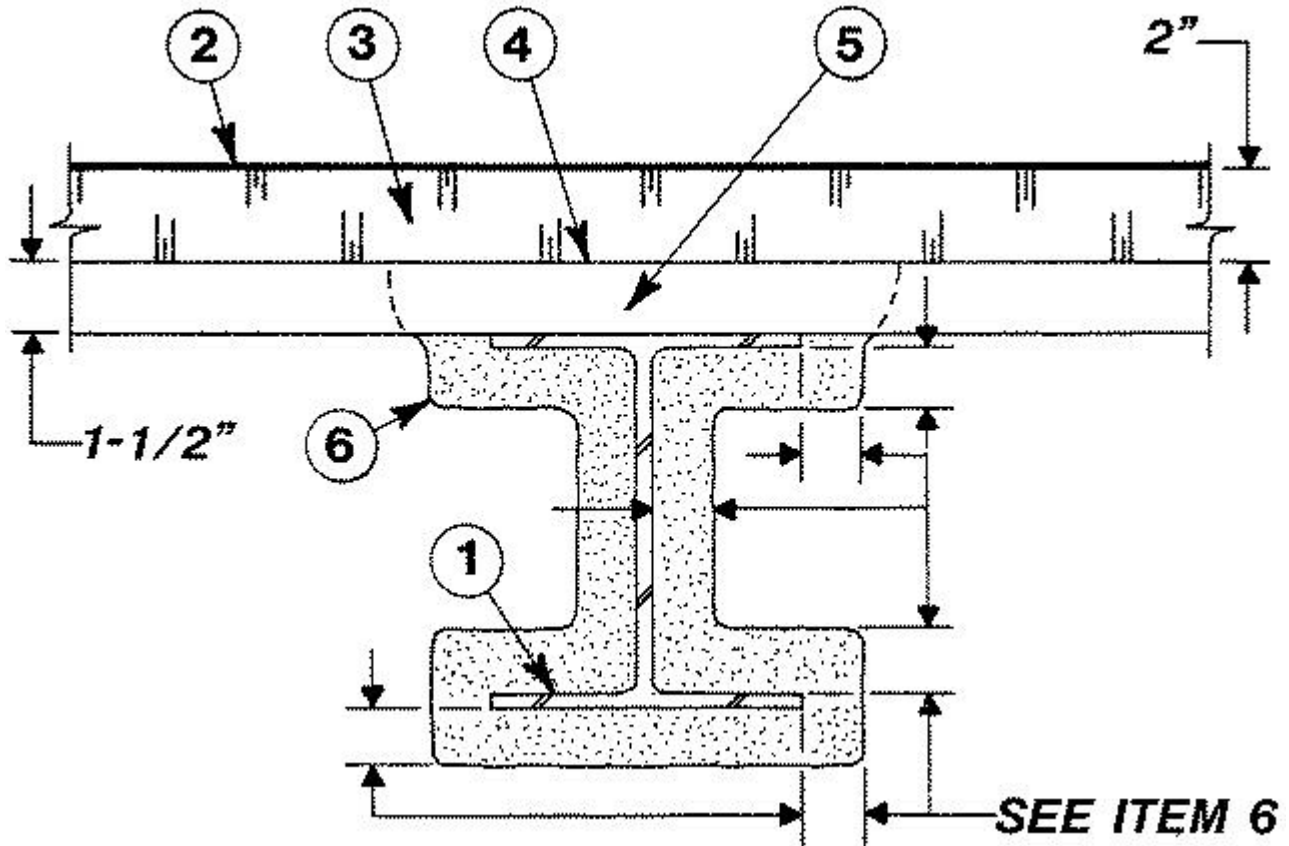
November 12, 2014

Restrained Beam Ratings — 1, 1-1/2, 2 and 3 Hr.

Unrestrained Beam Ratings — 1, 1-1/2, 2 and 3 Hr.

This design was evaluated using a load design method other than the Limit States Design Method (e.g., Working Stress Design Method). For jurisdictions employing the Limit States Design Method, such as Canada, a load restriction factor shall be used — See Guide BXUV or BXUV7

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



1. **Steel Beam** — W8 x 28 min size.

2. **Roof Covering*** — Consisting of hot mopped, cold application or single-ply materials, compatible with insulation(s) described herein which provide Class A, B or C coverings. See Roofing Materials and Systems Directory-Roof Covering Materials (TEVT).

3. **Mineral and Fiber Boards*** — 24 by 48 in. boards applied in single or multiple layers. Boards secured to steel roof deck units and previous layer of insulation, if multiple layers are used, with adhesive.

JOHNS MANVILLE

4. **Adhesive*** — Applied to steel roof deck units in 1/2 in. wide ribbons approx 6 in. OC at 0.4 gal/100 sq ft. See Adhesives (BYWR) category for names of manufacturers.

5. **Steel Roof Deck** — (Unclassified) — Fluted, 24 MSG. galv, 1-1/2 in. deep with 3-1/2 in. wide flutes spaced 6 in. OC and 30 in. overall width. Ends overlapped at supports a min 1-1/2 in. and welded to supports, max 12 in. OC. Adjacent units button-punched or welded together at midspan along side joints.

6. **Spray-Applied Fire Resistive Materials*** — Applied by mixing with water and spraying in more than one coat to the beam to the final thickness shown below. Crest areas above the beam shall be filled with Spray-Applied Fire Resistive Materials. All surfaces must be clean and free of dirt, loose scale and oil. The min avg and min ind density is 44/40 pcf respectively. For method of density determination, see Design Information Section.

**Restrained & Unrestrained
Beam Rating Hr**

Min Thkns In.

Restrained & Unrestrained Beam Rating Hr	Min Thkns In.
1	1
1-1/2	1-5/16
2	1-5/8
3	2-5/16

GREENTECH THERMAL INSULATION PRODUCTS MFG CO L L C — Type M-II.

ISOLATEK INTERNATIONAL — Type M-II.

NEWKEM PRODUCTS CORP — Type M-II.

6A. **Spray-Applied Fire Resistive Materials*** — Applied by mixing with water. Trowel applied in more than one coat to the beam to the final thickness shown below. Crest areas above the beam shall be filled with Spray-Applied Fire Resistive Materials. All surfaces must be clean and free of dirt, loose scale and oil. The min avg and min ind density is 44/42 pcf respectively. For method of density determination, see Design Information Section.

Rating Hr	Min Thkns In.
1	1
1-1/2	1-5/16
2	1-5/8
3	2-5/16

GREENTECH THERMAL INSULATION PRODUCTS MFG CO L L C — Type TG.

ISOLATEK INTERNATIONAL — Type TG.

NEWKEM PRODUCTS CORP — Type TG.

*** 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 2014-11-12

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: "© 2019 UL LLC"