UL Online Certifications Directory

BXUV.J704
Fire Resistance Ratings - ANSI/UL 263

Page Bottom

Fire Resistance Ratings - ANSI/UL 263

See General Information for Fire Resistance Ratings - ANSI/UL 263

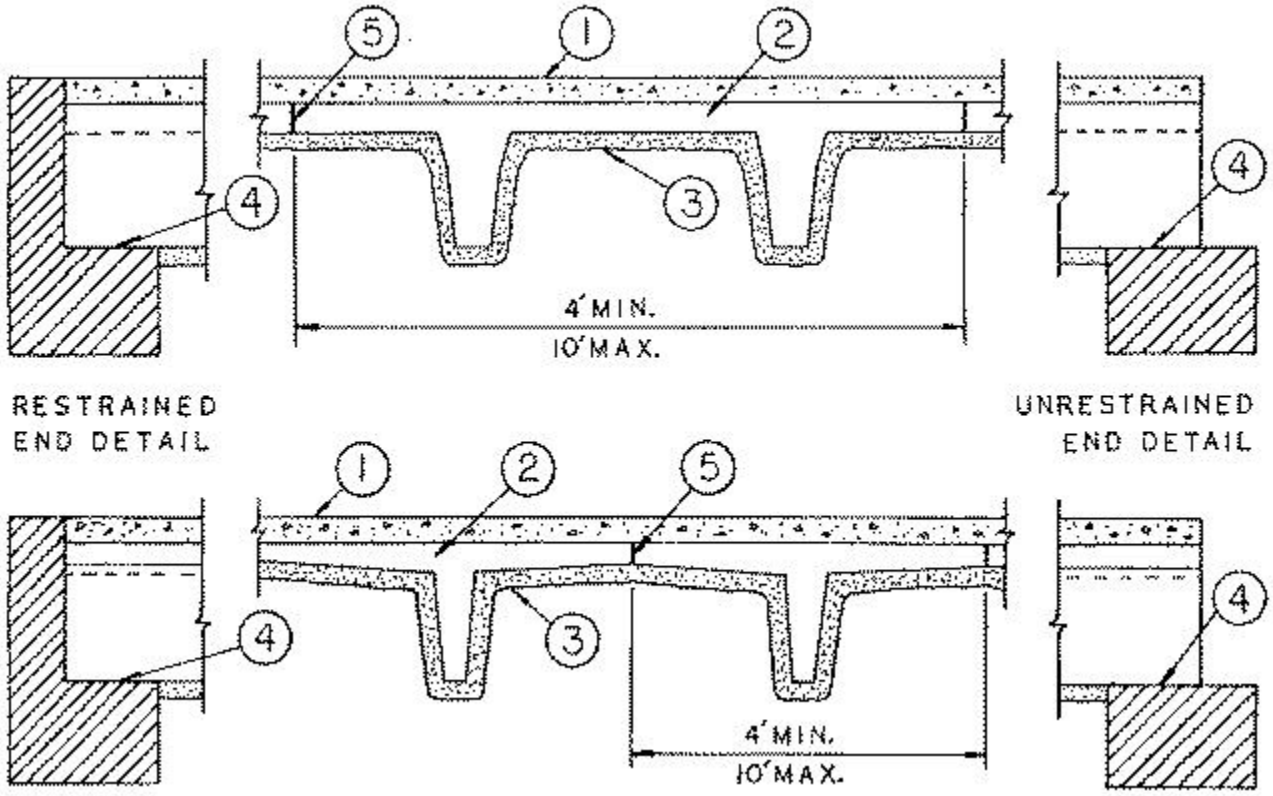
Design No. J704

June 05, 2006

Restrained Assembly Ratings — 2, 3, and 4 Hr.

Unrestrained Assembly Ratings — 2, 3, and 4 Hr.

Load Restricted for Canadian Applications — See Guide BXUV7



1. **Concrete Topping —** 3000 psi compressive strength, 110 to 153 unit weight. Min topping thickness, 1 in.

Thickness of Spray-Applied Fire Resistive Materials Required on Flanges

For Restrained and Unrestrained Assembly Ratings

Min Total Thkns of Concrete In.	Rating 2 Hr	3 Hr	4 Hr
1-1/2 in.	1-1/8 in.	1-3/4 in.	2-7/8 in.
2 in.	7/8 in.	1-1/2 in.	2 in.
2-1/2 in.	3/4 in.	1-5/16 in.	1-3/4 in.

3 in.	5/8 in.	1-1/8 in.	1-9/16 in.
3-1/2 in.	7/16 in.	15/16 in.	1-3/8 in.
4 in.	5/16 in.	3/4 in.	1-1/8 in.
4-1/2 in.	1/4 in.	9/16 in.	1 in.
5 in.	1/4 in.	7/16 in.	13/16 in.

2. **Precast Concrete Units* —** Normal weight concrete. Single or double stemmed units bearing the UL Classification Marking containing Design Nos. J941 or J944 and having a min slab thickness of 1-1/2 in.; or bearing the UL Classification Marking J704.

See **Precast Concrete Units** Category for names of manufacturers.

3. **Spray-Applied Fire Resistive Materials* —** Applied by mixing with water and spraying in one or more coats, to a final thickness as shown in the above illustration and in the tables described in Items 1 and 3, to concrete surfaces which must be clean and free of dirt and oil. Min avg and min ind density of 15/14 pcf respectively. Min avg and min ind density of 19/18 pcf respectively for Types 7GP and 7HD. For method of density determination, see Design Information Section.

Thickness of Spray-Applied Fire Resistive Materials Required on Stems

For Restrained and Unrestrained Assembly Ratings

UL Classification Marking on Precast Concrete Unit	Rating 2 Hr	3 Hr	4 Hr
J941	11/16 in.	11/16 in.	1-7/16 in.
J704-A	3/4 in.	1-1/8 in.	1-1/2 in.
J704-B	11/16 in.	1-1/16 in.	1-7/16 in.
J704-C	1/2 in.	7/8 in.	1-5/16 in.
J704-D	7/16 in.	13/16 in.	1-3/16 in.
J704-E	5/16 in.	5/8 in.	1 in.
J704-F	5/16 in.	3/8 in.	3/4 in.
J944		7/16 in.	13/16 in.

ARABIAN VERMICULITE INDUSTRIES — Types MK-5, MK-6/CBF, MK-6/ED, MK-6/HY, MK-6s, Sonophone 1.

GRACE CANADA INC — Type MK-5.

GRACE KOREA INC — Types MK-6/CBF, MK-6/ED, MK-6/HY, MK-6s, Monokote Acoustic 1.

PYROK INC — Type LD.

SOUTHWEST FIREPROOFING PRODUCTS CO — Types 4, 5, 5EF, 5GP, 5MD, 7GP, 7HD, 8EF, 8GP, 8MD, 9EF, 9GP, 9MD.

W R GRACE & CO - CONN

CONSTRUCTION PRODUCTS DIV — Types MK-4, MK-5, MK-6/HY, MK-6s, Monokote Acoustic 1, RG.

4. **Min. Bearing —** 3 in.

5. **Weld Plates —** Optional.

*Bearing the UL Classification Mark

Last Updated on 2006-06-05

Questions? Notice of Disclaimer Page Top

Copyright © 2006 Underwriters Laboratories Inc.®

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 Listed 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, Designs and/or Listings (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 Underwriters Laboratories Inc." must appear adjacent to the extracted material. In addition, the reprinted material must include a copyright notice in the following format: "Copyright © 2006 Underwriters Laboratories Inc.®"

An independent organization working for a safer world with integrity, precision and knowledge.