



BXUVC.F918 Fire-resistance Ratings

[Page Bottom](#)

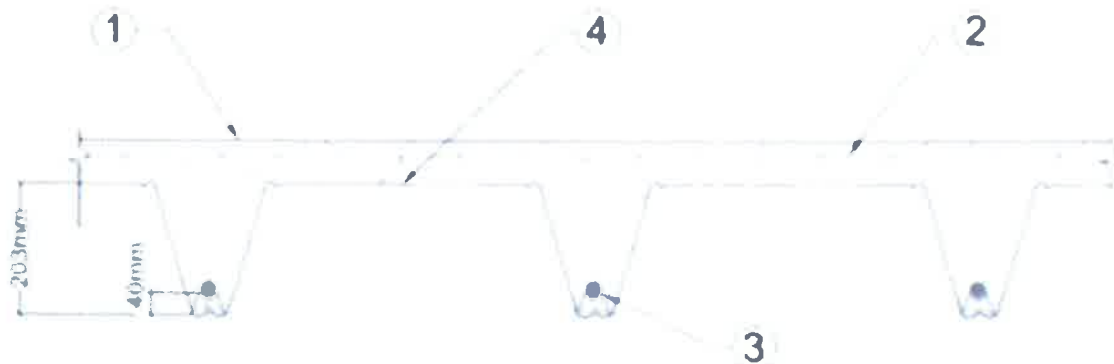
BXUVC - Fire-resistance Ratings

[See General Information for Fire-resistance Ratings](#)

Design No. F918

November 20, 2015

Unrestrained Assembly Rating - 2 Hr.



- **1. Normal Weight Concrete** — Normal weight concrete, carbonate or siliceous aggregate, $2400 \pm 50 \text{ kg/m}^3$ unit weight, min. compressive strength 30 MPa, vibrated. Min concrete topping thickness 110 mm as measured from the crest of the floor units.
- **1a. Lightweight Concrete** — $1750 \pm 50 \text{ kg/m}^3$ unit weight, expanded shale or slate aggregate by rotary-kiln method or expanded clay aggregate by rotary-kiln or sintered-grade method, min. compressive strength 30 MPa, vibrated, 4 to 7 per cent entrained air. Min concrete topping thickness 83 mm as measured from the crest of the floor units.
- **2. Welded Wire Fabric** — 152 by 152 - Min wire thickness MW 18.7 / MW18.7 steel wire mesh.
- **3. Rib Reinforcement** — Min 10 mm deformed bar. Concrete cover below the steel reinforcement shall be 40 mm minimum. Chairs spaced max 1055 mm OC.
- **4. Steel Floor Units (CHWXC)** — Composite, galv steel units. Min thickness 0.953 mm (20 MSG). Side joints of adjacent units fully overlapping, fastened together by using 30 mm. long self-drilling, self-tapping steel screws driven through Shear-Bond Clips (not shown) at 350 mm. OC. Steel end closures flashings (not shown) made of min thickness 1.37 mm (16 MSG) galv steel, fixed to the steel work before decking is placed. Consult the deck manufacturer for comprehensive load tables and design parameters referencing this UL Design.

BAILEY METAL PRODUCTS LTD — Type COMSLAB™ 210

Last Updated on 2015-11-20

Copyright © 2015 Underwriters Laboratories of Canada Inc.

When the UL Leaf Mark is on the product, or when the word "Environment" is included in the UL Mark, please search the [UL Environment database](#) for additional information regarding this product's certification.

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 ULC's Follow-Up Service. Only those products bearing the ULC Mark should be considered to be Listed and covered under ULC's Follow-Up Service. Always look for the Mark on the product.

ULC permits the reproduction of the material contained in the ULC Online Directories 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 ULC Online Directories with permission from Underwriters Laboratories of Canada Inc." must appear adjacent to the extracted material. In addition, the reprinted material must include a copyright notice in the following format: "Copyright © 2015 Underwriters Laboratories of Canada Inc."

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

