UL Product iQ™

BXUV.X841 - 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

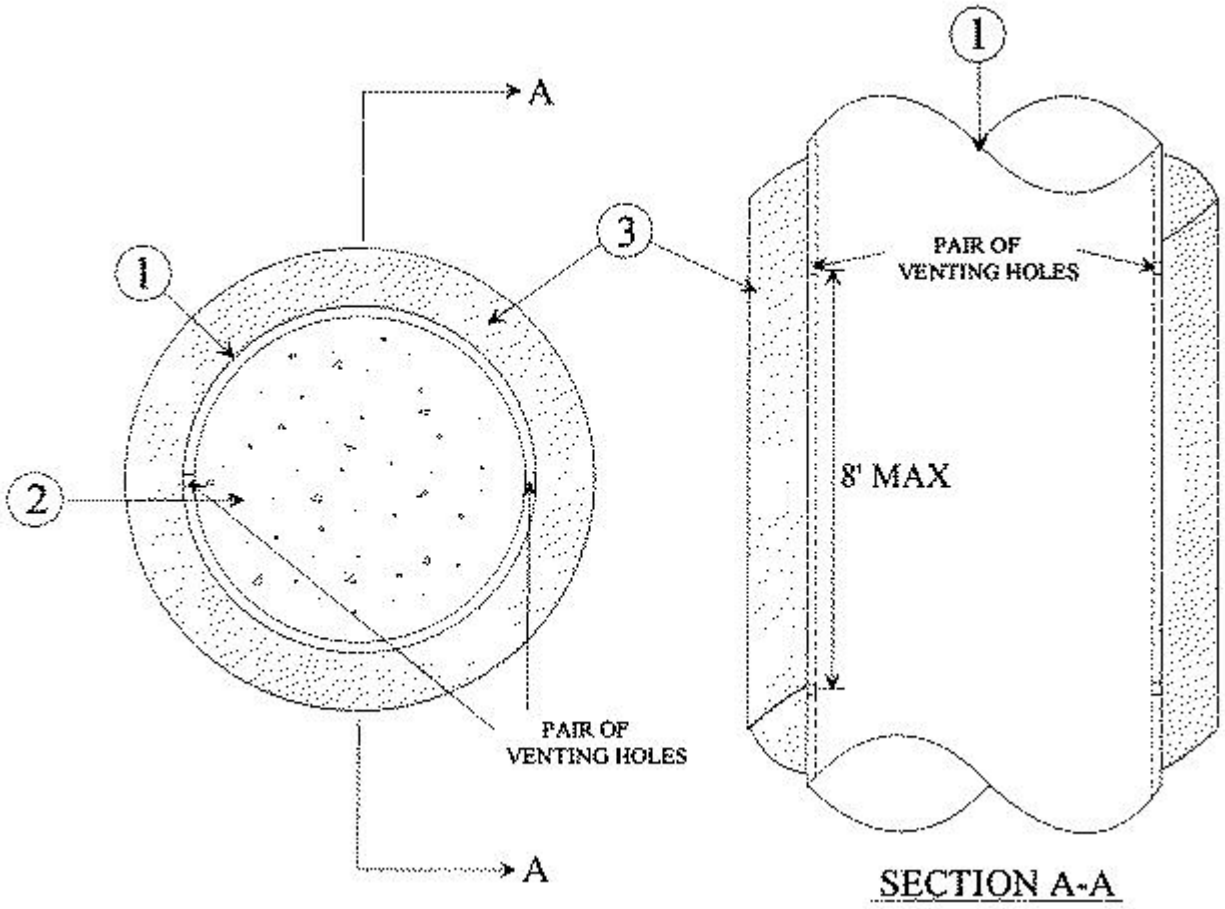
See General Information for Fire Resistance Ratings - CAN/ULC-S101 Certified for Canada
Design Criteria and Allowable Variances

Design No. X841

May 08, 2018

Rating 1, 1-1/2, 2, 3, and 4 Hr.

* 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 Pipe —** Steel Circular pipe with diam (ID) ranging from a min 12 in. to a max of 32 in. with a min wall thickness of 3/16 in. Steel pipe will be vented with a minimum of one pair of 1/2 in. diameter holes or 0.145 sq in. of vent per cubing foot of concrete, whichever is greater. The spacing of the vents shall not exceed 8 ft OC.

2. **Normal Weight Concrete —** Siliceous or carbonate aggregate, min density of 150 pcf, min 3000 psi compressive strength, vibrated.

3. **Spray-Applied Fire Resistive Material* —** Applied by spraying with water, in one untamped coat at the thickness shown in the table below to steel surfaces which are free of dirt, oil or scale. Use of adhesive is optional. Min avg untamped density with min ind untamped density of 11 pcf for Types II, II HS, or DC/F. Min avg and min ind untamped densities of 22 and 19 pcf, respectively, for Type HP. Tamping is optional. For method of density determination refer to Design Information Section.

Rating Hr.	Min Thickness In.
1	1/2
1-1/2	9/16
2	11/16
3	7/8
4	1-3/16

ISOLATEK INTERNATIONAL — Type D-C/F, HP, II, or II HS. Investigated for exterior use. Type EBS or Type X adhesive/sealer optional.

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Last Updated on 2018-05-08