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**Wisconsin**  
Department of Commerce

Evaluation #

200514-O

Safety & Buildings Division  
201 West Washington Avenue  
P.O. Box 2658  
Madison, WI 53701-2658

## Wisconsin Alternate Standard Evaluation

Standard

CAN/ULC/S102.2-03  
Standard Test Method of Test for Surface Burning Characteristics of Floor  
Covering and Miscellaneous Materials and Assemblies

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### SCOPE OF EVALUATION

CAN/ULC/S102.2-03 Standard Test Method of Test for Surface Burning Characteristics of Floor Covering and Miscellaneous Materials and Assemblies has been evaluated as an alternative test methodology for ASTM E-84, Standard Test Methods for Surface Burning Characteristics of Building Materials.

This evaluation does not include the review for compliance to provisions of the current **Wisconsin Commercial Code (WCBC)**, other than those specifically referenced above.

The use of this alternate standard is subject to the description, limitations and conditions described in this evaluation.

### DESCRIPTION AND USE

CAN/ULC/S102.2-03 has a differing methodology for measuring the flame spread index and smoke-developed index for plastic pipe and has been determined to be appropriate for such use including showing compliance with **IMC Section 602.2.1** regarding the use of combustibles, including CPVC plastic pipe in HVAC plenums.

**Section 602.2.1** of the 2000 International Mechanical Code reads as follows:

**602.2.1 Materials exposed within plenums.** Except as required by Sections 602.2.1.1 through 602.2.1.4, materials exposed within plenums shall be noncombustible or shall have a flame spread index of not more than 25 and a smoke-developed index of not more than 50 when tested in accordance with ASTM E84.

#### **Exceptions:**

1. Rigid and flexible ducts and connectors shall conform to Section 603.
2. Duct coverings, linings, tape and connectors shall conform to Sections 603 and 604
3. This section shall not apply to materials exposed within plenums in one-and two-family dwellings.
4. This section shall not apply to smoke detectors.

The test results of CAN/ULC/S102.2-03 may be used to demonstrate compliance with the limitations of s. **IMC 602.2.1**.

**LIMITATIONS OF APPROVAL**

When this alternative test methodology has been utilized in the design of a project, a statement identifying that use shall be included with each project construction document, including the Wisconsin Alternative Standard Evaluation Number referenced above.

Deviations from this alternate standard shall void the use of the approval.

Pursuant to s. **Comm 61.61(1)**, the department may reexamine an approval and issue a revised approval at any time.

This approval will be valid through December 31, 2010, unless manufacturing modifications are made to the alternate standard or a re-examination is deemed necessary by the department. The product approval is applicable to projects approved under the current edition of the applicable codes. This approval may be void for project approvals made under future applicable editions.

**DISCLAIMER**

This approval addresses only the specified applications for the alternate standard and does not waive any code requirements not specified in this document.

Approval Date: November 2, 2005 By: \_\_\_\_\_

Lee E. Finley, Jr.  
Product & Material Review  
Integrated Services Bureau