CAN/ULC-S134-13-REV2
(Including Revision 2)

STANDARD METHOD OF FIRE TEST OF EXTERIOR WALL ASSEMBLIES

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The intended primary application of this standard is stated in its scope. It is important to note that it remains the responsibility of the user of the standard to judge its suitability for the particular application.

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Standard Method of Fire Test of Exterior Wall Assemblies, CAN/ULC-S134

Second Edition, Dated August 1, 2013

Summary of Topics

This revision of CAN/ULC-S134 dated October 14, 2021 has been issued to reflect the latest SCC approval dates, and to incorporate the proposal dated May 26, 2021; 10.2.2.

Text that has been changed in any manner or impacted by UL's electronic publishing system is marked with a vertical line in the margin.

The revised requirements are substantially in accordance with Proposal(s) on this subject dated May 26, 2021.

PLEASE NOTE THAT CERTAIN CODES MAY REFER TO A SUPERSEDED VERSION OF THIS STANDARD. IN THOSE INSTANCES, THE RELEVANT VERSIONS ARE AVAILABLE FOR PURCHASE.

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CAN/ULC-S134-13-REV2

STANDARD METHOD OF FIRE TEST OF EXTERIOR WALL ASSEMBLIES

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PREFACE

This is the Second Edition of the Standard Method of Fire Test of Exterior Wall Assemblies, CAN/ULC-S134.

This Edition of the Standard has been formally approved by the ULC Standards Committee on Fire Tests.

This Standard has been developed in compliance with the requirements of Standards Council of Canada (SCC) for accreditation of a Standards Development Organization.

Only metric SI units of measurement are used in this Standard. If a value for measurement is followed by a value in other units in parentheses, the second value may be approximate. The first stated value is the requirement.

Appendices A, B, B, D, and E, identified as informative, are for informational purposes only.

In Canada, there are two official languages, English and French. All safety warnings must be in French and English. Attention is drawn to the possibility that some Canadian authorities may require additional markings and/or installation instructions to be in both official languages.

This Second Edition National Standard of Canada is based on, and now supersedes, the First Edition.

Attention is drawn to the possibility that some of the elements of this Canadian standard may be the subject of patent rights. ULC Standards shall not be held responsible for identifying any or all such patent rights.

Requests for interpretation of this Standard should be sent to ULC Standards. The requests should be worded in such a manner as to permit a “yes” or “no” answer based on the literal text of the requirement concerned.

This CAN/ULC-S134 Standard is under continuous maintenance, whereby each revision is approved in compliance with the requirements of SCC for accreditation of a Standards Development Organization. In the event that no revisions are issued for a period of four years from the date of publication, action to revise, reaffirm, or withdraw the standard shall be initiated.

Comments or proposals for revisions on any part of the Standard may be submitted at any time. Proposals should be submitted via a Proposal Request in the On-Line Collaborative Standards Development System (CSDS) at https://csds.ul.com/canada.

This Standard is intended to be used for conformity assessment.

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1 SCOPE

1.1 This test method evaluates the performance of an exterior wall assembly under controlled conditions representing the fire exposure resulting from a post flashover fire in a compartment venting through an opening in the wall. The results may not reflect the actual performance of an exterior wall assembly under all fire exposure conditions.

1.2 The test determines the comparative burning characteristics of exterior wall assemblies by evaluating the following:

A Fire spread over the exterior surface;

B Heat flow from the fire plume to the exterior surface; and

C Fire spread within the test specimen.

1.3 This test method does not assess:

A The fire performance of framing details or treatments of windows, doors or other openings that may be used in combination with the test specimen;

B The fire performance of the test specimen when exposed to the effects of an interior fire migrating through an exterior wall assembly; and

C *Loadbearing* capabilities of the exterior wall.

1.4 Durability requirements, as a product of exposure and influence (if any) due to climate change, are outside the scope of this standard. (Refer to Appendix E).

2 REFERENCE PUBLICATIONS

2.1 The documents shown below are referenced in the text of this Standard. Unless otherwise stated elsewhere in this Standard such reference shall be considered to indicate the edition and/or revisions of the document available at the date on which the Committee approved this ULC Standard. If a standard is used other than those given herein, the issue used shall be that which was in force at the time of the full Committee review of this edition of this Standard.

Document Published by the American Society for Testing and Materials (ASTM)
100 Barr Harbour Drive, PO Box C700, West Conshohocken, PA 19428-2959 U.S.A.
Telephone: (610) 832-9585
www.astm.org

• ASTM D2898-10, Standard Practice for Accelerated Weathering of Fire-Retardant-Treated Wood for Fire Testing

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Documents Published by ULC Standards (prior to May, 2010, identified as Underwriters Laboratories of Canada)
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• CAN/ULC-S101-07, Standard Method of Fire Endurance Tests of Building Construction and Materials

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