CAN/ULC-S136:2021-REV1
(Including Revision 1)

STANDARD METHOD OF FIRE TEST OF SPRINKLER PROTECTED WINDOW SYSTEMS

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CETTE NORME NATIONALE DU CANADA EST DISPONIBLE EN VERSIONS FRANÇAISE ET ANGLAISE

Standard Method of Fire Test of Sprinkler Protected Window Systems, CAN/ULC-S136

First Edition, Dated April 21, 2021

Summary of Topics

This revision of CAN/ULC-S136 dated November 30, 2021 includes an update of 4.1, 8.2 and Figure 7.1 for clarity.

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 July 29, 2021.

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ICS 13.220.20; 19.020; 81.040.20; 91.060.50

FIRST EDITION . . . . . **APRIL 21, 2021**
REVISION 1 . . . . . NOVEMBER 30, 2021

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PREFACE

This is the First Edition of the Standard Method of Fire Test of Sprinkler Protected Window Systems, CAN/ULC-S136.

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

This Standard has been developed in compliance with the requirements of 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.

Annex A, identified as informative, is for information purposes only.

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

Attention is drawn to the possibility that some of the elements of this Canadian standard may be the subject of patents rights. ULC Standards shall not be held responsible for identifying any or all such patents 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-S136 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 fire test method covers fire endurance tests applicable to sprinkler protected window systems and enables an assessment of the fire performance, under controlled fire exposure conditions, of a sprinkler protected window system.

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.

Standard Published by the National Fire Protection Association (NFPA)
1 Batterymarch Park, Quincy, MA 02169-7471 U.S.A
Telephone: (617) 984-7249
www.nfpa.org

• NFPA 13-2019, Standard for the Installation of Sprinkler Systems

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Codes Published by the National Research Council of Canada (NRC)
Canadian Commission on Building and Fire Codes
1200 Montreal Road, Building M-59, Ottawa, ON K1A 0R6 Canada
Telephone: (613) 993-9101 or 1-877-672-2672
www.nrc-cnrc.gc.ca

• National Building Code of Canada, 2015

• National Fire Code of Canada, 2015

Documents Published by ULC Standards
171 Nepean Street, Suite 400, Ottawa, ON K2P 0B4 Canada
Telephone: (613) 755-2729
www.ulc.ca/ulcstandards

• CAN/ULC-S101-14, Standard Method of Fire Endurance Tests of Building Construction and Materials

3 Glossary

NOTE: Terms used in this Standard are defined as follows

3.1 ACTUATION – Activation of the fused temperature dependent solder or expansion of encapsulated liquid for the release of orifice seals to initiate water flow.

3.2 AUTOMATIC SPRINKLER (SPRINKLER) – A fire suppression or control device that operates automatically when its heat-activated element is heated to its thermal rating or above, causing actuation and allowing water to discharge over a specified area.

3.3 DEFLECTOR – An attachment to a sprinkler that diverts the water flow into a spray pattern.

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