CAN/ULC 639:2025

Standard for Steel Liner Assemblies for Solid-Fuel Burning Masonry Fireplaces

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Copies of this National Standard of Canada may be ordered from ULC Standards.

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

Standard for Steel Liner Assemblies for Solid-Fuel Burning Masonry Fireplaces, CAN/ULC 639

Third Edition, Dated August 20, 2025

Summary of Topics

This new Third Edition of ULC 639, dated August 20, 2025, has been issued to reflect the latest SCC approval date and to incorporate proposals dated February 14, 2025.

The new and revised requirements are substantially in accordance with Proposal(s) on this subject dated February 14, 2025.

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.

PLEASE NOTE THAT CERTAIN CODES MAY REFER TO A SUPERSEDED VERSION OF THIS STANDARD.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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Standard for Steel Liner Assemblies for Solid-Fuel Burning Masonry Fireplaces

ICS 97.100.30

First Edition . . . . . April 1987
Second Edition . . . . . April 2018
THIRD EDITION . . . . . AUGUST 20, 2025

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ULC Standards

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PREFACE

This is the Third Edition of the Standard for Steel Liner Assemblies for Solid-Fuel Burning Masonry Fireplaces, CAN/ULC 639.

This Edition of the Standard has been formally approved by the ULC Standards Committee on Factory Built Fireplaces, Chimneys and Vents.

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.

Annexes A, B and C, 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.

The Third Edition National Standard of Canada is based on, and supersedes, the Second 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 639 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 These requirements cover prefabricated steel liner assemblies incorporating a flue damper, smoke chamber and associated accessories for masonry fireplaces. They are intended as an alternate form of construction to conventional fire brick liners and metal dampers.

1.2 Steel liners, as covered by this Standard, are intended to be capable of installation in accordance with the requirements of the applicable building codes and with the manufacturer's Installation Instructions as required herein.

1.3 These requirements do not cover factory built fireplaces, inserts or space heaters

2 Referenced Publications

2.1 Any undated reference to a code or standard appearing in the requirements of this Standard shall be interpreted as referring to the latest edition of that code or standard.

2.2 The following publications are referenced in this Standard:

CSA C22.2 No. 113, *Fans and ventilators*

CSA C22.2 No. 0.15, *Adhesive labels*

CSA C22.2 No. 60335-2-102, *Household and similar electrical appliances – Safety – Part 2-102: Particular requirements for gas, oil and solid-fuel burning appliances having electrical connections*

CSA W59, *Welded steel construction*

National Building Code of Canada, 2020

UL 969, *Marking and Labelling Systems*

3 Glossary

3.1 CIRCULATING WARM AIR TYPE FIREPLACE – A fireplace incorporating a gravity or forced air circulating system which may include an air duct system attached to the chamber surrounding the firebox.

3.2 FIRE CHAMBER –The section of a fireplace in which fuel is burned, including the entire volume bounded by the hearth, chamber walls or screens and the chamber ceiling.

3.3 FIREPLACE – A fireplace for the purpose of this Standard is a device for burning solid fuels having the major portion of one or more essentially vertical sides open or openable for refuelling and intended to permit visual observation of the flames while the fuel is burning.

3.4 FIREPLACE LINER – Metal fire chamber incorporating a flue damper and smoke chamber.

3.5 FLUE DAMPER – A valve or plate for regulating draft or flow of flue gases with an accessible hand actuated control and providing a closed and one or more open positions.

3.6 FORCED AIR HEATING SYSTEM – An air heating system equipped with a blower which provides the primary means for circulation of air.

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