CAN/ULC-S632:2019

STANDARD FOR HEAT SHIELDS

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Underwriters Laboratories of Canada (ULC) was established in 1920 by letters patent issued by the Canadian Government. It maintains and operates laboratories and certification services for the examination, testing and certification of appliances, equipment, materials, constructions and systems to determine their relation to life, fire and property hazards as well providing inspection services.

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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.

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 Heat Shields, CAN/ULC-S632

Fourth Edition, Dated March 2019

Summary of Topics

This Third Edition of CAN/ULC-S632 contains the following revisions:

- ***Revisions to the requirements for marking;***

- ***Updates to the installation instructions requirements; and***

- ***Revisions to the requirements for ultraviolet light and water test (for outdoor heat shields only).***

The new and revised requirements are substantially in accordance with Proposal(s) on this subject dated October 12, 2018.

PLEASE NOTE THAT CERTAIN CODES MAY REFER TO A SUPERSEDED VERSION OF THIS STANDARD.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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ULC Standards
Normes ULC

Standards Council of Canada
Conseil canadien des normes

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THIRD EDITION . . . . . MARCH 2019

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This list represents the membership at the time the committee balloted on the final text of this edition. Since that time, changes in membership may have occurred

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PREFACE

This is the Third Edition of the Standard for Heat Shields, CAN/ULC-S632.

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 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.

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 of ULC-S632.

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-S632 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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INTRODUCTION

1 Scope

1.1 This Standard applies to the construction and performance of heat shields intended to reduce the specified minimum clearances for heat producing appliances to combustible vertical construction assemblies (ie. walls, partitions). These requirements apply to regular and corner installations only. Alcove installations are not covered by this standard.

1.2 Heat shields are to be rated on a percentage clearance reduction basis (i.e. a 50 % rated heat shield is considered suitable for the reduction of required clearances by 50 %.)

1.3 Heat shields are to be designed for attachment to walls.

1.4 This Standard does not apply to heat shields for reduction of required clearances to combustible horizontal assemblies (ie. ceilings), radiant floor protection, or mantels.

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.

Documents 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 G153-13, Standard Practice for Operating Enclosed Carbon Arc Light Apparatus for Exposure of Nonmetallic Materials
• ASTM G155-13, Standard Practice for Operating Xenon Arc Light Apparatus for Exposure of Non-Metallic Materials

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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-S114:2018, Standard Method of Test for Determination of Non Combustibility in Building Materials

3 Glossary

3.1 ALCOVE – A small space in a room, formed by one part of a wall being further back than the parts on each side. A recess, typically in the wall of a room.

3.2 COMBUSTIBLE – (As applying to an elementary building material) means that such material fails to conform to the Standard Method of Test for Determination of Non Combustibility in Building Materials, CAN/ULC-S114.

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3.3 HEAT SHIELD – A device for the purpose of reducing the clearance between heat producing appliances, and combustible construction.