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OF CANADA

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(Reaffirmed 2017)

STANDARD METHOD OF FIRE RESISTANCE TEST - GREASE DUCT ASSEMBLIES

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

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NATIONAL STANDARD OF CANADA

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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 the membership may have occurred.

STANDARD METHOD OF FIRE RESISTANCE TEST - GREASE DUCT ASSEMBLIES

PREFACE

This is the Reaffirmation of the Second Edition of the Standard Method of Fire Resistance Test – Grease Duct Assemblies, CAN/ULC-S144.

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 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.

Appendix A, identified as Informative, is for information 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 has been reaffirmed.

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.

The review and action to revise or reaffirm this Standard will not exceed 5 years from the date of publication, unless the Standard is identified as fitting within a stabilized category, whereby the review will commence within the appropriate time frame set out by ULC Standards.

This Standard is intended to be used for conformity assessment.

1 SCOPE

1.1 This Standard specifies a method of test and criteria for the determination of the fire resistance of *grease ducts* under standardized fire conditions. The requirements are intended to evaluate the ability of the *grease duct* to resist the spread of fire. See Appendix A for additional information.

1.2 This Standard also covers requirements to evaluate the ability of the duct to protect adjacent combustibles from igniting in the event of an internal *grease duct* fire. See Appendix A for additional information.

1.3 The *grease ducts* covered by these requirements are intended to be installed in accordance with the requirements in the National Building Code of Canada as pertaining to the ventilation of commercial cooking processes.

1.4 This Standard does not include requirements for combustibility, the surface flammability and the smoke generation potential of the coverings or insulating materials used to protect the *grease duct*.

NOTE 1: Requirements used to evaluate the combustibility of building materials in accordance with the National Building Code of Canada are found in standards: CAN/ULC-S114, Standard Method of Test for Determination of Non-Combustibility of Building Materials and ULC-S135, Standard Method for the Determination of Combustibility Parameters of Building Materials using an Oxygen Consumption Calorimeter (Cone Calorimeter).

NOTE 2: Requirements used to evaluate the flame-spread and smoke generation of building materials and assemblies in accordance with the National Building Code of Canada are found in standards: CAN/ULC-S102, Standard Method of Test for Surface Burning Characteristics of Building Materials and Assemblies and CAN/ULC-S102.2, Standard Method of Test for Surface Burning Characteristics of Flooring, Floor Coverings and Miscellaneous Materials and Assemblies.

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.

Document Published by the American Society of Heating, Refrigerating, and Air-Conditioning Engineers (ASHRAE)
1791 Tullie Circle, N.E. Atlanta, GA 30329 U.S.A
Telephone: (404) 636-8400 or (800) 527-4723
www.ashrae.org

• 2005 ASHRAE Handbook – Fundamentals (SI edition)

Document Published by the International Organization for Standardization (ISO)
1 rue de Varembé, Case postale 56CH-1211 Geneva 20, Switzerland
Telephone: + 41 22 749 01 11
www.iso.org

• ISO 6944, Fire Resistance Tests – Ventilation ducts, First Edition – 1985.

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