CAN/ULC-S110-13-R2018
(Reaffirmed 2018)

STANDARD METHODS OF TEST FOR AIR DUCTS

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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 Methods of Test for Air Ducts, CAN/ULC-S110-13-R2018

Third Edition, Dated July 2013

Summary of Topics

This revision of CAN/ULC-S110 is being issued to update the title page to reflect the reaffirmation of this Third Edition National Standard of Canada. No changes in requirements are involved.

The revised requirements are substantially in accordance with Proposal(s) on this subject dated November 28, 2017.

PLEASE NOTE THAT CERTAIN CODES MAY REFER TO A SUPERSEDED VERSION OF THIS STANDARD.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

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

CAN/ULC-S110-13-R2018

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ULC STANDARDS COMMITTEE ON FIRE TESTS

NAME	AFFILIATION	REGION	CATEGORY
A. Laroche (Chair)	Codes Canada, National Research Council Canada	Canada	Regulator
C. Andersson	Health Canada	Canada	Regulator
B. Bulley	Canadian Steel Door Manufacturers Association	Canada	Producer
B. Cheer	Ontario Building Officials Association	Ontario	Regulator
J. Chisholm	Toronto Fire Services	Ontario	Regulator
S. Craft	CHM Fire Consulting Ltd.	Ontario	General Interest
T. Crimi	A.C. Consulting Solutions Inc.	Ontario	General Interest
J. Current	Office of the Fire Marshal and Emergency Management	Ontario	Regulator
C. Dagenais	FPInnovations	Canada	User
D. Falconer	Falconer Engineering & Testing	Ontario	General Interest
G. Frater	Canadian Steel Construction Council	Canada	Producer
M. Gilfillan	Matteo Gilfillan & Associates Inc.	Ontario	General Interest
G. Hadjisophocleous	Carleton University	Ontario	General Interest
L. Hamre	PLC Fire Safety Solutions	New Brunswick	General Interest
J. Humphries	City of Toronto	Ontario	Regulator
K. Kooner	Intertek	Canada	Testing & Standards Organization
M. McClure	ThermoFire Systems Inc.	Canada	General Interest
R. McGrath	Cement Association of Canada	Canada	Producer
R. McPhee	Canadian Wood Council	Canada	Producer
G. Morinville	National Defence and the Canadian Armed Forces	Canada	User
J. Roberts	LRI Engineering Inc.	Canada	User
P. Shinkoda	CGC Inc.	Canada	Producer
D. Sloan	Underwriters Laboratories LLC	USA	Testing & Standards Organization
I. Smith	Exova Canada Inc.	Canada	User
J. Su	Fire Safety, National Reserarch Council Canada	Canada	User
N. Benichou (Associate Member)	Fire Safety, National Research Council Canada	Canada	Non-Voting
M. Birk (Associate Member)	Queen's University	Ontario	Non-Voting
L. Garis (Associate Member)	Fire Services, City of Surrey	British Columbia	Non-Voting
L. Kearns (Associate Member)	National Defence and the Canadian Armed Forces	Canada	Non-Voting
H. Locke (Associate Member)	Locke & Locke Inc.	British Columbia	Non-Voting
E. Sopeju (Associate Member)	No affiliation	Ontario	Non-Voting
I. Van Zeeland (Associate Member)	Canadian Wood Council	Canada	Non-Voting
B. Weckman (Associate Member)	University of Waterloo	Ontario	Non-Voting
M. Huras (Project Manager)	ULC Standards	Canada	Non-Voting

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 METHODS OF TEST FOR AIR DUCTS

PREFACE

This is the Third Edition of the Standard Methods of Test for Air Ducts, CAN/ULC-S110.

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 normative, forms a mandatory part of this Standard.

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 Third Edition National Standard of Canada was based on the Second Edition, and has now 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 These requirements apply to materials for the fabrication of air duct systems for use in accordance with the requirements in the National Building Code of Canada. The materials covered by these requirements include preformed lengths of flexible or rigid ducts, materials in the form of boards for field fabrication of lengths of rigid ducts, and preformed flexible connectors.

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 A90/A90M-11, Standard Test Method for Weight [Mass] of Coating on Iron and Steel Articles with Zinc or Zinc-Alloy Coatings

• ASTM B117-11, Standard Practice for Operating Salt Spray (Fog) Apparatus

• ASTM C27-98 (2008), Standard Classification of Fireclay and High-Alumina Refractory Brick

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Document Published by the National Research Council Canada (NRCC)
1200 Montreal Road, Bldg. M-58, Ottawa, ON K1A 0R6 Canada
Telephone: (613) 993-9101 or 1-877-672-2672
www.nrc-cnrc.gc.ca

• National Building Code of Canada, 2010

Document Published by Underwriters Laboratories of Canada (ULC)
7 Underwriters Road, Toronto, ON M1R 3A9 Canada
Telephone: (416) 757-3611, ext. 61744; FAX (613) 231-5977, “ATTN: Publications”
E-mail: publications@ulc.ca
www.ulc.ca

• CAN/ULC-S109-03, Standard for Flame Tests of Flame-Resistant Fabrics and Films

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Documents Published by ULC Standards
171 Nepean Street, Suite 400, Ottawa, ON K2P 0B4 Canada
Telephone: (416) 757-3611, ext. 61744; Fax (613) 231-5977, “ATTN: Publications”
E-mail: publications@ulc.ca
www.ulc.ca

• CAN/ULC-S102-10, Standard Method of Test for Surface Burning Characteristics of Building Materials and Assemblies