CAN/ULC 712.2:2026

Standard for Thermal Insulation – Light Density, Open Cell Spray Applied Semi-Rigid Polyurethane Foam – Installation

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Standard for Thermal Insulation – Light Density, Open Cell Spray Applied Semi-Rigid Polyurethane Foam – Installation, CAN/ULC 712.2

Third Edition, Dated March 30, 2026

Summary of Topics

This new Third Edition of CAN/ULC 712.2 dated March 30, 2026 incorporates editorial changes including renumbering and reformatting to align with current style.

The new and revised requirements are substantially in accordance with Proposal(s) on this subject dated August 4, 2025 and December 19, 2025.

PLEASE NOTE THAT CERTAIN CODES MAY REFER TO A SUPERSEDED VERSION OF THIS STANDARD.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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PREFACE

This is the Third Edition of the Standard for Thermal Insulation – Light Density, Open Cell Spray Applied Semi-Rigid Polyurethane Foam – Installation, CAN/ULC 712.2.

This Edition of the Standard has been formally approved by the ULC Standards Committee on Thermal Performance and Energy Use in the Built Environment.

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, C, D, E, F, G, H, I, J and K, identified as Normative, form a mandatory part of this Standard.

Annex L, 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 Third Edition of this National Standard of Canada was based on, and now 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.

This CAN/ULC 712.2 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 Collaborative Standards Development System (CSDS) at https://csds.ul.com.

This Standard is intended to be used for conformity assessment.

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INTRODUCTION

1 Scope

1.1 This Standard specifies the requirements for the on-site manufacture and installation of light density, open cell spray applied semi-rigid polyurethane foam to produce a material that meets the physical property requirements of ULC 712.1, Standard for Thermal Insulation – Light Density, Open Cell Spray Applied Semi-Rigid Polyurethane Foam – Material Specification. The material only has the physical properties listed in ULC 712.1 when it is installed on-site in accordance with this Standard.

1.2 The spray polyurethane foam system installer site-manufactures the light density, open cell spray applied semi-rigid polyurethane foam material identified by ULC 712.1, Standard for Thermal Insulation – Light Density, Open Cell Spray Applied Semi-Rigid Polyurethane Foam – Material Specification. The spray polyurethane foam system manufacturer produces a liquid "resin" component and supplies the corresponding polymeric isocyanate. When mixed together on a fixed ratio basis, these two components produce the material which possesses the physical properties listed in ULC 712.1. This Standard includes mandatory requirements for the installation of the material as well as qualification of contractors and the qualification of installers which form an integral part of the manufacturing process to produce the finished material.

1.3 This Standard applies to the manufacture and installation of light density, open cell spray applied semi-rigid polyurethane foam whether applied on a building site or in a prefabrication (manufacturing) facility.

NOTE: Under certain conditions the requirements may be applicable to non-building applications. In this case it is recommended that the system supplier and the consumer agree on the specifics of the installation.

1.4 There are requirements for the supplier, the contractor and the installer provided in this Standard including verification of the material properties of the light density, open cell spray applied semi-rigid polyurethane foam system on-site, the installation process, quality control measures, documentation of the installation, limitations for the installation, site safety and disposal of associated waste.

1.5 This Standard is limited to installation in open cavities with framing members on each side of the cavity and where the cavity can be visually inspected before and after the material is installed. Injection into closed cavities was considered for this Standard but is not permitted under the scope of this Standard.

1.6 This Standard does not purport to address all the health and safety aspects associated with the site manufacture and installation of light density, open cell spray applied semi-rigid polyurethane foam. Anyone using this Standard has the responsibility to consult the appropriate authorities and to establish appropriate health and safety practices in conjunction with any existing applicable regulatory requirements, prior to its use.

2 Referenced Publications

2.1 The documents shown below are referenced in the text of this Standard. 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.

ISO 9001, *Quality management systems – Requirements*

ISO 10002, *Quality management – Customer satisfaction – Guidelines for complaints handling in organizations*

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ISO/IEC 17020, *Conformity assessment – Requirements for the operation of various types of bodies performing inspection*

ISO/IEC 17024, *Conformity assessment – General requirements for bodies operating certification of persons*

ISO 12576-2, *Thermal insulation products – Conformity control systems – Part 2: In-situ products*

ULC S508, *Rating and Fire Testing of Fire Extinguishers*

ULC 712.1, *Thermal Insulation – Light Density, Open Cell Spray Applied Semi-Rigid Polyurethane Foam – Material Specification*

ULC S773, *Thermal Insulation Terminology*

3 Glossary

NOTE: Definitions and symbols used in this specification are found in ULC S773. Definitions from ULC S773 have been listed below and are identified as such. Additional definitions not currently listed in ULC S773 but required for this Standard have been listed below.

3.1 APPRENTICE INSTALLER (APPRENTICE) – Individual who installs spray polyurethane foam on the job site, under direct supervision of a qualified open cell spray polyurethane foam installer.

3.2 AUTHORITY HAVING JURISDICTION (AHJ) – Representative of a governmental (federal, provincial, or municipal) agency predominantly involved in regulating by statute the use of products, materials and services (ULC S773).

3.3 CERTIFICATION ORGANIZATION (CO) – Organization accredited to ISO/IEC 17024 and ISO/IEC 17020 by an organization which is member of the IAF/ILAC Multilateral Agreement (such as Standards Council of Canada), possessing the necessary competence and reliability to operate an installer certification system and inspection system in which the interests of all parties concerned with the functioning of the system are represented.

3.4 EQUIPMENT SUPPLIER – Manufacturer or distributor of equipment designed for spray-installation of polyurethane foam.

3.5 EXPIRY DATE – Date declared by the spray polyurethane foam system supplier after which the resin shall not be used.

3.6 LIGHT DENSITY, OPEN CELL SPRAY APPLIED SEMI-RIGID POLYURETHANE FOAM (SPRAY FOAM MATERIAL) – Semi-rigid cellular plastic material that is formed in place by the catalyzed reaction of polyisocyanates and polyhydroxyl compounds, expanded with non-captive blowing agents and producing a predominantly open-cell material with a density between 6.8 – 12 kg/m^3.

3.7 OPEN CELL SPRAY POLYURETHANE FOAM INSTALLER (INSTALLER) – Person who, through training or experience, has demonstrated the knowledge, skills and abilities to perform the required functions and tasks to produce the finished material on-site.

NOTE: The user should be aware that in Canada the AHJ may require these persons to obtain certification.

3.8 QUALIFIED LIGHT DENSITY, OPEN CELL SPRAY APPLIED SEMI-RIGID POLYURETHANE FOAM CONTRACTOR (CONTRACTOR) – Individual, organization or corporation responsible for meeting all requirements and obligations for the installation of light density, open cell spray applied semi-rigid

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