

## ULC Standards Report to the Canadian Advisory Council on Energy Efficiency

June 17, 2014

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Standards are grouped by Standards Specialist or Program Manager with contact information provided for each.

Respectfully Submitted by:

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**- CAN/ULC-S701-11 Standard for Thermal Insulation, Polystyrene, Boards and Pipe Covering.**

This was published as a Fourth Edition National Standard of Canada in March 2011. The LTTR requirements were harmonized with those of CAN/ULC-S704 and CAN/ULC-S705.1, for which a new edition/amendment were also published simultaneously. Republication due by March, 2016. This Standard is referenced in the NBCC.

**- CAN/ULC-S702-09 Standard for Mineral Fibre Thermal Insulation for Buildings.**

This was published as a Second Edition National Standard of Canada in February, 2009. An Amendment to re-instate Type 4 Pouring Wool was published in April, 2012. A ballot for the Third Edition closed on December 31, 2013. It is anticipated that the Committee will approve the new Edition for publication at their meeting of May, 2014. This Standard is referenced in the NBCC.

**- ULC-S702.2-10 Mineral Fibre Thermal Insulation for Buildings, Part 2: Installation.**

This was published as a Second Edition ULC Standard in February, 2010. Republication due by February, 2015.

**- CAN/ULC-S703-09 Standard for Cellulose Fibre Insulation (CFI) for Buildings.**

This was published as a Second Edition National Standard of Canada in November, 2009. A ballot for Reaffirmation of the Second Edition closed on January 27, 2014. It is anticipated that the Committee will approve the Reaffirmation for publication at their meeting of May, 2014. This Standard is referenced in the NBCC.

**- CAN/ULC-S704-11 Standard for Thermal Insulation, Polyurethane and Polyisocyanurate Boards, Faced.**

This was published as a Third Edition National Standard in March 2011. The LTTR requirements were harmonized with those of CAN/ULC-S701 and CAN/ULC-S705.1, for which a new edition/amendment were also published simultaneously. Republication due by March, 2016. This Standard is referenced in the NBCC.

**- CAN/ULC-S705.1-01 Standard for Thermal Insulation - Medium Density Closed Cell Spray Applied Rigid Polyurethane Foam – Material Specification.**

The Third Amendment to the Second Edition of this National Standard was published in March, 2011. The Third Amendment text included LTTR requirements harmonized with those of CAN/ULC-S701 and CAN/ULC-S704, for which new editions were also published simultaneously. A ballot for the Third Edition, including an Exception Request for Normative Administrative Requirements, was approved for publication at the Committee meeting of November, 2013, with follow-up actions for the Task Group. Publication is anticipated for the summer of 2014. This Standard is referenced in the NBCC.

**- CAN/ULC-S705.2-05 Standard for Thermal Insulation - Medium Density Closed Cell Spray Applied Rigid Polyurethane Foam – Application.**

This Standard is currently published as a Second Edition National Standard. A Third Edition text was approved by the ULC Thermal Insulation Materials and Systems Committee at their June, 2007 meeting; however many of the Normative requirements were identified as Administrative by the SCC after a review in July, 2008. The development work on the new edition of this Standard is currently on hold, resumption will depend on the SCC response to the new Exception Request for CAN/ULC-S705.1. This Standard is referenced in the NBCC.

**- CAN/ULC-S706-09 Standard for Wood Fibre Thermal Insulation for Buildings.**

This was published as a Second Edition National Standard of Canada in October, 2009. An Erratum was published in September, 2012. Republication due by October, 2014. This Standard is referenced in the NBCC.

**- CAN/ULC-S710.1, -S710.2, -S711.1, -S711.2 Standard for Thermal Insulation – Bead-Applied One/Two Component Polyurethane Air Sealant Foam (Material Specification/Installation).**

These four Standards were published as Second Edition National Standards in December, 2011. Republication due by December, 2016. The Task Group has proposed that the four Standards be merged into

two, and has recently commenced work on draft versions. CAN/ULC-S710.1 and CAN/ULC-S711.1 will be listed in the NBCC for the first time in the 2015 Edition.

**- CAN/ULC-S712.1-10 Standard for Thermal Insulation - Light Density, Open Cell Spray Applied Semi-Rigid Polyurethane Foam – Material Specification.**

This was published as a First Edition National Standard of Canada in November, 2010. Republication due by November, 2015. This Standard is referenced in the NBCC.

**- CAN/ULC-S712.2 Standard for Thermal Insulation - Light Density, Open Cell Spray Applied Semi-Rigid Polyurethane Foam – Installation.**

The text of this new Standard was subject to a Committee ballot during 2009. The relevant ULC Standards Task Group has yet to complete the process of responding to all of the comments and revising the Standard because it is impacted by the SCC response to the Exception Request for the CAN/ULC-S705 series Standards. The development work on the new edition of this Standard is currently on hold, resumption will depend on the SCC response to the new Exception Request for CAN/ULC-S705.1.

**- CAN/ULC-S716.1-12 Standard for Exterior Insulation and Finish Systems (EIFS) – Materials and Systems.**

This was published as a Third Edition National Standard of Canada in December, 2012. Republication due by December, 2017.

**- CAN/ULC-S716.2-12 Standard for Exterior Insulation and Finish Systems (EIFS) – Installation.**

This was published as a Second Edition National Standard of Canada in December, 2012. Republication due by December, 2017.

**- CAN/ULC-S716.3-12 Standard for Exterior Insulation and Finish Systems (EIFS) – Design Practices Guide.**

This was published as a Second Edition National Standard of Canada in December, 2012. Republication due by December, 2017.

**- CAN/ULC-S717.1-12 Standard for Flat Wall Insulating Concrete Form (ICF) Units.**

This was published as a First Edition National Standard of Canada in February, 2012. Republication due by February, 2017.

**- ULC-S718-13 Site Quality Assurance Program for Spray Polyurethane Foam.**

This was published as a First Edition ULC Standard in February, 2013. Republication due by February, 2018.

**- CAN/ULC-S741-08 Standard for Air Barrier Materials - Specification.**

This was published as a First Edition National Standard of Canada in December, 2008. An Interpretation Standards Bulletin clarifying the UV Exposure requirements for the conditioning of test specimens was issued in April of 2011. Republication due by December, 2013. This Standard is referenced in the NBCC.

**- CAN/ULC-S742-11 Standard for Air Barrier Assemblies - Specification.**

This was published as a First Edition National Standard of Canada in February, 2011. Republication due by February, 2016. This Standard is referenced in the NECB.

**- CAN/ULC-S770-09 Standard Test Method for Determination of Long-Term Thermal Resistance of Closed-Cell Thermal Insulating Foams.**

The LTTR test method described in this Standard is cited by the three Standards identified above. It was published as a Third Edition National Standard of Canada in September, 2009. Republication due by September, 2014. This Standard is referenced in the NBCC.

**- CAN/ULC-S773-09 Standard for Thermal Insulation Terminology.**

This was published as a Second Edition National Standard of Canada in July, 2009. Republication due by July, 2014.

**- CAN/ULC-S774-09 Standard Laboratory Guide for the Determination of Volatile Organic Compound Emissions from Polyurethane Foam.**

The VOC emissions test method described in this Standard is cited by several spray polyurethane foam Standards. The reaffirmation of the Second Edition National Standard of Canada was published in February, 2014.

For additional information about these standards and current Committee work, please contact:

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**- CAN/ULC-S101-07 Standard Methods of Fire Endurance Tests of Building Construction and Materials**

A Committee ballot was sent out on the draft standard of the Proposed Fifth Edition. Public Comment closed March 21, 2014. The Task Group to review and resolve comments received during the ballot and present their recommendations to the Committee for approval to publish. It is anticipated to be published by June 2014. This Standard is referenced in the NBCC.

**- CAN/ULC-S109-03 Flame Tests of Flame-Resistant Fabrics & Films**

The Task Group has reviewed and resolved the comments received during the ballot. Due to additional technical changes, the draft standard will be sent out for another Committee ballot of the Proposed Second Edition. It is anticipated to be published by June 2014. This Standard is referenced in the NBCC and the National Fire Code of Canada.

**- CAN/ULC-S110-13 Standard Methods of Tests for Air Ducts**

The Fourth Edition of this Standard was published in July 2013. The new Edition includes reference to an Appendix which forms a mandatory part of the Standard. Appendix A provides further guidance on the mounting methods of test samples for the surface burning characteristics test as to ensure a uniform procedure where comparative information between similar products is required. This Standard is referenced in the NBCC.

**- CAN/ULC-S111-13 Standard Method of Fire Tests for Air Filter Units**

The Fifth Edition of this Standard was published in December 2013. There were no major changes made to the Standard other than replacing the use of surgical gauze with cheesecloth. This Standard is referenced in the NBCC.

**- CAN/ULC-S124-06 Standard Method of Test for the Evaluation of Protective Coverings for Foamed Plastics**

The ULC Standards Committee on Fire Test is currently beginning the process of developing the Third Edition of this Standard. The draft standard was circulated to the Committee for preliminary review and comment. The Task Group will review the preliminary comments and finalize the draft standard to be sent out for Committee ballot approval of the Proposed Third Edition. It is anticipated to be published by December 2014. This Standard is referenced in the NBCC.

**- CAN/ULC- S134-13 Fire Test of Exterior Wall Assemblies**

The Second Edition of this Standard was published in August 2013. The new Edition provides further clarification on the point of termination of the test and includes the addition of acceptance criteria in accordance to the requirements in the National Building Code of Canada. This Standard is referenced in the NBCC.

For additional information about these standards and current Committee work, please contact:

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**- CAN/ULC-S531-02, Smoke Alarms**

The changes to the standard allow Smoke Alarms to conform to changes in technology, end user needs and continued alignment with upcoming changes to the National Codes. An example of this will be with the requirements for CO detection devices. With CAN/ULC-S531-14, manufacturers will be able to provide Smoke Alarms that will include CO detection and other multi-criteria devices and be a safe, reliable product that is in conformity with all applicable Standards. This project is an industry driven effort that is sponsored by the National Electrical Contractors Association. The standard was published February, 2014. This Standard is referenced in the 2010 editions of the NBCC and the National Fire Code of Canada.

For additional information about this standard and current Committee work, please contact:

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**- CAN/ULC-S8752-12-AM1, Standard for Organic Light Emitting Diode (LED) Panels.**

The ULC Committee on Solid State Lighting (SSL) has published the First Amendment to the First Edition of CAN/ULC-S8752, Standard for Organic Light Emitting Diode (OLED) Panels. This is a ULC/UL Harmonized Joint Standard and the requirements contained in CAN/ULC-S8752 are identical to the First Edition of ANSI/UL-8752. Amendment 1 to the First Edition of this Standard clarifies the scope to lighting applications only; provides clarifications to polymeric materials; provides allowance for more than one power input; provides alternate method for secureness of soldered printed wiring board connections; and clarifies dual language markings for electrical input ratings.

**- CAN/ULC-S2577-13, Standard for Suspended Ceiling Grid Low Voltage Systems and Equipment.**

The ULC Committee on Solid State Lighting (SSL) has published the First Edition of CAN/ULC-S2577-13, Standard for Suspended Ceiling Grid Low Voltage Systems and Equipment. This is a ULC/UL Harmonized Joint Standard and the requirements contained in CAN/ULC-S2577 are identical to the first edition of ANSI/UL-2577.

The First Edition of this Standard covers the suspended ceiling grid low voltage systems which are intended to be installed as a suspended ceiling grid that provides mechanical support for the ceiling tiles and provides electrical connections between the low voltage power supply and the low voltage equipment.

**- CAN/ULC-S8753-13, Standard for Field-Replaceable Light Emitting Diode (LED) Light Engines**

The Technical Committee on Field-Replaceable LED Light Engines has published the First Edition of CAN/ULC-S8753, Standard for Field-Replaceable Light Emitting Diode (LED) Light Engines. This is a ULC/UL Harmonized Joint Standard and the requirements contained in CAN/ULC-S8753 are identical to

the first edition of ANSI/UL-8753. CAN/ULC-S8753 covers field replaceable light-emitting diode (LED) light engines provided with integral lamp bases of other than the screw, bayonet, or pin type configurations typically found on incandescent or fluorescent light sources.

**- CAN/ULC-S8754-13, Standard for Holders, Bases, and Connectors for Solid-State (LED) Light Engines and Arrays**

The Technical Committee on Field-Replaceable LED Light Engines has published the First Edition of CAN/ULC-S8754, Standard for Holders, Bases, and Connectors for Solid-State (LED) Light Engines and Arrays. This is a ULC/UL Harmonized Joint Standard and the requirements contained in CAN/ULC-S8754 are identical to the first edition of ANSI/UL-8754. The First Edition of this Standard covers the holders, bases and connectors intended for solid-state (LED) light engines and arrays provided that they employ a configuration not typically found on incandescent or fluorescent light sources.

For more information about these standards and current committee work, please contact:

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