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ULC G5.2
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February 11, 2015

STANDARDS BULLETIN 2015-02

Fourth Edition CAN/ULC-S770-15

STANDARD TEST METHOD FOR DETERMINATION OF LONG-TERM THERMAL RESISTANCE OF CLOSED-CELL THERMAL INSULATING FOAMS

ULC Standards is pleased to announce the publication of the Fourth Edition of CAN/ULC-S770, Standard Test Method for Determination of Long-Term Thermal Resistance of Closed-Cell Thermal Insulating Foams. This National Standard of Canada was approved by the ULC Standards Committee on Thermal Insulation Materials and Systems, and is published under the date of February 2015.

The changes made to this edition of the Standard include clarifications of the terms "base formulation" and "mean temperature", new Clauses to address the testing of materials thicker than 75 mm and a new section on testing of actual 5 year samples.

This procedure defines the long-term thermal resistance (LTTR) of a foam product as the value measured after 5-year storage in a laboratory environment and provides means for its prediction based on an accelerated laboratory test.

This procedure estimates the change in the thermal resistivity of insulating foam products by means of slicing and scaling.

This procedure addresses faced and unfaced products without consideration to the effect of facers on the LTTR of the product.

This test procedure is applicable to cellular plastic insulation manufactured to retain a gas or mixture of gases, other than air, for a period longer than 180 days. If the thermal resistivity of a product changes by more than 3 % over this 180 days period, this test procedure shall be applied. This procedure specifies reference time, sampling and testing requirements to determine LTTR for closed-cell foams such as extruded polystyrene, sprayed polyurethane, and polyisocyanurate.

This Fourth Edition Standard can be ordered for \$276.00 (hard copy) or \$230.00 (PDF) through our website at www.ulc.ca by selecting *ULC Standards*. Once at the *ULC Standards* page, select *Sales of ULC Standards Materials*.

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Yours truly,
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