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Third Edition CAN/ULC-S770-09

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

ULC is pleased to announce the publication of CAN/ULC-S770-09, the Third Edition of Standard Test Method for Determination of Long-Term Thermal Resistance of Closed-Cell Thermal Insulating Foams. This Standard has been approved by the ULC Committee on Thermal Insulation Materials and Systems (S700A), and has been published with the date of August 2009.

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, based on ASTM standard test methods C 1303 and C 518, can be applied to a wide range of preformed as well as field manufactured insulating foams. 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 blowing agent, other than air, for a period longer than 180 d. If the thermal resistivity of a product changes by more than 3 % over this 180 d period, this test procedure shall be applied. This procedure specifies reference time, sampling and testing requirements and is based on ASTM standard test method C 1303 to determine LTTR for closed-cell foams such as extruded polystyrene, sprayed polyurethane, and polyisocyanurate.

This method is not intended for products with impermeable membranes, such as those with sheet metal facers, which will retain most of their initial R-values.

If you require any additional information, please contact John Wade at 613-755-2729 ext. 6226 or by email at: John.Wade@ca.ulc.com

This standard can be ordered for \$264.00 CAN (Hardcopy) from the ULC website (www.ulc.ca) ULC online store.

Yours truly,

UNDERWRITERS LABORATORIES OF CANADA

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