



File: ULC Subject S110  
ULC-G5.2

January 21, 2011

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## CERTIFICATION BULLETIN 2011-01

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### Second Edition of CAN/ULC-S110-07 Standard Method of Tests for Air Ducts

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TO: Subscribers to UL's Listing Service for cUL Certifications to Standard CAN/ULC S110; ALLU7, ALNR7

Subscribers to ULC's Listing Service for ULC Certifications to Standard CAN/ULC S110; ALLUC, ALNRC

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This Bulletin addresses details of testing for Flame Penetration, Section 4.4 in accordance with Standard CAN/ULC S110, *Standard Method of Tests for Air Ducts*.

Currently, the Flame Penetration Test of Section 4.4 requires that the test be conducted in a furnace apparatus heated to a temperature of 850°C and stabilized at that temperature to within +/- 25°C through a 15 minute period. The temperature is measured by a ceramic insulated, Inconel sheathed thermocouple, 3.2 mm outside diameter, 0.63 mm diameter "Type K" wire elements.

While the Standard provides detail of the thermocouple to be used, exploratory testing has demonstrated some differences in sample exposure to the test flame when using the specified thermocouples that are "open tip / grounded" versus those that are "enclosed tip / ungrounded." Effective immediately, testing in accordance with CAN/ULC S110 will use "open tip / grounded" thermocouples as described in Section 4.4.

Flame Penetration testing in accordance with CAN/ULC S110 can now be conducted at either our Toronto, Canada or Research Triangle Park, North Carolina facilities.

It has been determined that no industry file review is necessary to address this clarification in testing practice.

Please be advised that this clarification is prepared and published by Underwriters Laboratories Canada (ULC). It is normative for the applicable UL/ULC product certification programs; however, it is currently not part of the CAN/ULC S110.

Should you require any additional technical information, please contact Dwayne Sloane at:  
Dwayne.E.Sloane@us.ul.com.

Sincerely,

UNDERWRITERS LABORATORIES OF CANADA

A handwritten signature in black ink, appearing to read "G. Paintal", written over a horizontal line.

Gunsimar Paintal  
Regional Quality Manager and ULC Mark Program Owner