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## **STANDARDS BULLETIN 2017-23**

NEW EDITION

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### **Second Edition of CAN/ULC-S717.1:2017**

#### **STANDARD FOR FLAT WALL INSULATING CONCRETE FORM (ICF) UNITS - MATERIAL PROPERTIES**

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ULC Standards is pleased to announce the publication of the Second Edition of CAN/ULC-S717.1, Standard for Flat Wall Insulating Concrete Form (ICF) Units - Material Properties. This Standard has been approved by the ULC Standards Committee on Thermal Insulation Materials and Systems (S700A) and has been published under the date of November 2017.

This Standard specifies the requirements for stay in place, modular expanded polystyrene (EPS) Insulating Concrete Form (ICF) units. Once filled with concrete, the ICF units remain in place as the thermal insulation for the resulting cast-in-place concrete wall of uniform cross-section and thickness.

The requirements of this Standard apply to ICFs that act as permanent formwork for cast-in-place reinforced concrete beams; lintels; exterior and interior, above and below grade, load-bearing and non load-bearing walls; foundations; and retaining walls. This Standard is restricted to ICFs that enclose uniform monolithic concrete walls.

This Standard provides requirements for products that consist of moulded expanded polystyrene (EPS) insulation panels that are connected by cross ties to form the ICF and for the performance of cross tie flanges as a substrate for the attachment of interior and exterior finishes.

This Standard sets performance requirements for the ICF unit in its primary function as a stay-in-place concrete form and for the materials that make up the form unit, along with the test methods to determine compliance with the performance requirements.

The changes in this Second Edition CAN/ULC-S717.1 include:

- Revision to the standard title to better reflect the requirements;
- Updates to the referenced publications;
- Revision to the definition for “cross tie”, including reference to figures;
- Removal of consideration for metal cross ties;
- Revision of marking and labelling requirements;
- Revision of Figure 1; and
- Editorial revisions throughout the Standard for clarity and consistency.

This Standard can be ordered for \$200.00 CAN (Hardcopy) or \$175.00 CAN (PDF) from the ULC Standards website at <http://canada.ul.com/ulcstandards/>. Select *Sales of ULC Standards Materials* for further details.

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Yours truly,

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