



## Preface

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# ***Loose-Fill Mineral-Fibre Thermal Insulation***

## **Scope**

These Evaluation Listings apply to mineral-fibre thermal insulation when used in unconfined spaces with slopes not exceeding 4.5:12. The proponent has demonstrated that the product meets the following standard:

- CAN/ULC-S702-97, “Standard for Mineral Fibre Thermal Insulation for Buildings.”

The standard describes five types of mineral-fibre insulation. These CCMC Evaluation Listings refer only to loose-fill insulation, Types 4 and 5, which are defined as follows:

- Type 4, pouring wool – loose-fill mineral-fibre insulation subdivided into nodules, suitable for manual application or pouring;
- Type 5, blowing wool – loose-fill mineral-fibre insulation subdivided into nodules, suitable for manual application by means of pneumatic equipment.

Mineral-fibre thermal insulation shall be installed in accordance with CAN/ULC-S702.2-03 “Mineral-Fibre Thermal Insulation for Buildings, Part 2: Application Guidelines”.

## **Standard**

**Table 1. Requirements for Physical Properties of Loose-Fill Mineral-Fibre Insulation**

Test/Property	Units	Requirements
Design Density	No unit	≤ the limiting design density (Type 5 only)
Thermal resistivity	(m·k)W	≥ 18.5/m
Surface burning characteristics	No unit	Flame Spread Classification ≤ 25 Smoke Developed ≤ 50
Smoulder resistance	%	Mean mass loss ≤ 5, mass loss of each specimen ≤ 10

## **Labelling**

The standard requires that packaging for the insulation be identified with the following information:

- brand name and the name of the manufacturer or supplier;
- identification of the manufacturing facility location;
- type of insulation and its intended use;
- design density in kg/m<sup>3</sup>;
- thermal resistivity of the product;

- CCMC Listing number;
- application chart as per standard;
- any additional information required by applicable acts and regulations;
- any necessary user safety information;
- date of manufacture or shift code;
- statement that the product complies with the standard; and
- a cautionary statement as follows: **“Maintain building, electrical, gas and oil safety code required clearances between the insulation and heat-emitting devices, such as fuel-burning appliances, chimneys, pipes, ducts and vents to these appliances (at least 50 mm) and recessed light fixtures (at least 75 mm).”**

## ***National Building Code of Canada (NBC)***

### **NBC References**

The CAN/ULC-S702-97 standard is referenced in the NBC 2005, Division B, Table 5.10.1.1., Table 9.23.16.2.A. and Clause 9.25.2.2.(1)(d).

The CAN/ULC-S702.2-03 standard is not referenced in the NBC 2005.



## Evaluation Listing CCMC 12851-L

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# Owens Corning PROPINK and Owens Corning AttiCat™ Loose Fill FibreGlass Insulation

## 1. Evaluation

Products conform to CAN/ULC-S702-97, “Mineral Fibre Thermal Insulation for Buildings.” The design thermal resistance value is  $18.7 \text{ m}^2 \cdot \text{KW}^{-1}/\text{m}$  at a design density of  $8.0 \text{ kg}/\text{m}^3$ .

This product shall be installed according to the following application chart:

Thermal Resistance ( $\text{m}^2 \cdot \text{K}/\text{W}^{-1}$ )	Minimum Mass/ Unit Area ( $\text{kg}/\text{m}^2$ )	Minimum Installed Thickness (mm)	Maximum Coverage/ 13.6-kg bag ( $\text{m}^2$ )	Maximum Coverage/ 15.0-kg bag ( $\text{m}^2$ )
2.10	0.90	112	15.1	16.7
2.80	1.20	150	11.4	12.5
3.50	1.50	187	9.1	10.0
4.20	1.80	225	7.6	8.3
4.90	2.10	262	6.5	7.2
5.60	2.40	299	5.7	6.3
6.30	2.70	337	5.0	5.6
7.00	2.99	374	4.5	5.0
7.70	3.29	412	4.1	4.6
8.40	3.59	449	3.8	4.2
8.75	3.74	468	3.6	4.0
9.10	3.89	487	3.5	3.9
9.80	4.19	524	3.2	3.6
10.50	4.49	561	3.0	3.3

## 2. Description

A Type 5, mineral-fibre thermal insulation made from glass fibre and designed for pneumatic application using commercially available blowing equipment.

### 3. Standard and Regulatory Information

See the [Preface](#) and the standard for explanation.

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