

## Canadian Metal Building Insulation

### PRODUCT DESCRIPTION

**Basic Use:** Canadian Metal Building Insulation is a flexible fibre glass blanket insulation furnished in unfaced rolls. Its primary use is in exterior walls and standing seam roofing systems of pre-engineered metal buildings. It is intended to be laminated with an appropriate vapour retarder facing suited to the specific job application and also can be used as an unfaced layer of insulation.

**Benefits:** Canadian Metal Building Insulation reduces the level of exterior and interior noise by reducing transmission of exterior sound to the interior of the building and absorbing reverberating sounds within the building. Canadian Metal Building Insulation provides thermal efficiency, helping to keep heat inside the building in winter and outside in summer. When faced with a vapour retarder, it helps control condensation on the inside surfaces of the building's roof and walls.

**Composition and Materials:** The product is composed of tan, uniformly textured, inorganic fibrous glass formed with a formaldehyde-free binding agent.

**Limitations:** This product is designed for use in interior (weather protected) walls and roofs of pre-engineered metal buildings. It should be laminated on a first-in, first-out basis and should be kept dry at all times during processing and end use. After lamination, packaging should not exceed a 5.5:1 compression ratio.

**Sizes:** Standard available sizes as noted in table on other side.

### INSTALLATION

The vapour retarder on Canadian Metal Building Insulation should be installed toward the conditioned spaces in the building. The insulation is normally applied over or between the structural members of the building and held in place by the covering sheets or insulation support system. When using high R-Value systems, it is recommended that the cavity between the exterior metal sheet and the faced fibre glass insulation should be completely filled.

### AVAILABILITY AND COST

Manufactured in the United States and Canada and sold in Canada. For availability and cost, contact your local distributor or call CertainTeed at 800-233-8990.

### WARRANTY

Inasmuch as CertainTeed has no control over lamination, installation design, installation workmanship, accessory materials or conditions of application, CertainTeed does not warrant the performance or results of any installation containing its products.

### MAINTENANCE

An inspection and preventative maintenance program for the insulation and vapour retarder system is recommended to ensure optimum performance.

### TECHNICAL SERVICES

Technical assistance can be obtained either from the local CertainTeed sales representative or by calling CertainTeed at 800-233-8990.



Product Name	CertainTeed Canadian Metal Building Insulation
Manufacturer	CertainTeed Corporation
Address	20 Moores Road Malvern, PA 19355
Phone	800-233-8990
Website	<a href="http://www.certainteed.com/insulation">www.certainteed.com/insulation</a>

### TECHNICAL DATA

#### Applicable Standards

- Material Standards:
  - CAN/ULC-S702  
Type I

#### Fire Resistance

- Fire Hazard Classification:
  - CAN/ULC-S102  
Max. Flame Spread Index: 25  
Max Smoke Developed Index: 50
- Non-combustible:
  - ASTM E136  
Meets test requirements

#### Physical/Chemical Properties

- Thermal Resistance:
  - ASTM C518 and/or ASTM C177  
at 75°F (24°C) mean temperature
- Acoustical Performance:
  - See table on other side
- Water Vapour Sorption:
  - ASTM C1104  
< 5% by weight
- Smoulder Resistance:
  - CAN / ULC-S129  
< 5.0%
- Odor Emission:
  - ASTM C1304 / Pass testing



**SOUND ABSORPTION - UNFACED**

R-Value	Nom. Thickness		Absorption Coefficients @ Octave Band Frequencies (Hz)						NRC
	in.	mm	125	250	500	1000	2000	4000	
10	3.5	89	0.29	0.82	1.02	0.94	0.96	0.98	0.95
12	3.875	98	0.39	0.91	1.01	0.92	0.93	0.98	0.95
14	4.5	114	0.53	0.97	1.04	0.90	0.95	0.98	0.95
16	5.25	133	0.67	1.05	1.02	0.92	0.98	0.99	1.00
20	6.375	162	0.89	1.22	1.02	0.98	1.01	1.00	1.05

Sound absorption tested in accordance with ASTM C423 using Type A mounting per ASTM E795.

**AVAILABLE SIZES**

R-Value	RSI	Label Thickness		Width		Length	
		in.	mm	in.	mm	1-ft. increments	1-m increments
6	1.06	2	50.8	36-72	914.4-1,828.8	50-110	15.24-33.53
8	1.41	2.8	71.12	36-72	914.4-1,828.8	50-110	15.24-33.53
10	1.76	3	76.2	36-72	914.4-1,828.8	50-110	15.24-33.53
12	2.11	3.5	88.9	36-72	914.4-1,828.8	50'-75	15.24-22.86
13	2.29	4	101.6	36-72	914.4-1,828.8	25-50	7.62-15.24
14	2.47	4.5	114	36-72	914.4-1,828.8	25-50	7.62-15.24
16	2.82	5.25	133.35	36-72	914.4-1,828.8	25-50	7.62-15.24
17	3.17	5	127	36-72	914.4-1,828.8	25-50	7.62-15.24
20	3.52	6	152.4	24-72	609.6-1,828.8	25-50	7.62-15.24
25	4.40	8	203.2	36-72	914.4-1,828.8	25	7.62
26	4.58	8	203.2	36-72	914.4-1,828.8	25	7.62
28	4.93	8.5	215.9	36-72	914.4-1,828.8	25	7.62

Please note: 36", 48" and 72" are stock widths for most products. Not all sizes available. Made-to-order sizes are available and subject to an upcharge, additional lead times and minimum order quantities. For specific item information or made-to-order sizes contact your territory manager or customer service representative.



**CertainTeed Corporation**

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