

Canadian Metal Building Insulation



1. PRODUCT NAME

CertainTeed Canadian
Metal Building Insulation

2. MANUFACTURER

CertainTeed Corporation
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Valley Forge, PA 19482-0105
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Website:
www.certainteed.com/insulation

3. 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. In addition it 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. When faced with a vapour retarder it helps control condensation on the inside surfaces of the building's roof and walls.

Composition and Materials: Composed of inorganic glass fibres bonded with a thermoset resin to form a uniformly textured, yellow blanket insulation.

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.

4. 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 requirements

Physical/Chemical Properties:

- Thermal Resistance:
 - ASTM C518 and/or ASTM C177 at 75°F (24°C) mean temperature.

- Acoustical Performance:
 - See table below.
- Water Vapour Sorption:
 - ASTM C1104
 - No greater than 5.0% by weight
- Smoulder Resistance:
 - CAN/ULC-S129
 - No greater than 5.0%
- Odor Emission ASTM C1304:
 - Pass

Quality Assurance: CertainTeed's commitment to quality and environmental management has ensured the registration of the Athens, Chowchilla and Kansas City plants to ISO 9001:2000 and ISO 14001:2004 standards.

SOUND ABSORPTION - UNFACED

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

Sound absorption tested in accordance with ASTM C 423 using Type A mounting per ASTM E 795.

5. 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.

6. 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 in Valley Forge, PA at 800-233-8990.

7. 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.

8. MAINTENANCE

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

9. TECHNICAL SERVICES

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

10. FILING SYSTEMS

Additional product information available upon request.

AVAILABLE SIZES

R-Value	RSI	Label Thickness		Width		Length	
		in.	mm	in.	mm	1-foot increments	1-meter increments
6	1.06	2	50.8	36 – 72	914.4 – 1,828.8	50 to 110	15.24 to 33.53
8	1.41	2.8	71.12	36 – 72	914.4 – 1,828.8	50 to 110	15.24 to 33.53
10	1.76	3	76.2	36 – 72	914.4 – 1,828.8	50 to 110	15.24 to 33.53
12	2.11	3.5	88.9	36 – 72	914.4 – 1,828.8	50' to 75	15.24 to 22.86
13	2.29	4	101.6	36 – 72	914.4 – 1,828.8	25 to 50	7.62 to 15.24
14	2.47	4.5	114	36 – 72	914.4 – 1,828.8	25 to 50	7.62 to 15.24
16	2.82	5.25	133.35	36 – 72	914.4 – 1,828.8	25 to 50	7.62 to 15.24
17	3.17	5	127	36 – 72	914.4 – 1,828.8	25 to 50	7.62 to 15.24
20	3.52	6	152.4	24 – 72	609.6 – 1,828.8	25 to 50	7.62 to 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. For specific item information or made-to-order sizes contact your territory manager or customer service representative.



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