
Submittal Form

CertainTeed

Fibre Glass Building Insulation

Submitted to: _____

Job Name: _____

Submitted by: _____

Date: _____

This Submittal Form is provided to assist you in specifying and selecting the proper CertainTeed insulation product. Basic product descriptions and performance data are included. For further information or technical assistance, contact your local CertainTeed representative.

CertainTeed Corporation, P.O. Box 860, Valley Forge, PA 19482
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Visit our web site at: www.certainteed.com
Order Management 1-800-441-9850 • Fax 1-800-799-2381

Product	Description	Thermal Resistance*	Nominal Thickness	Applicable Standards
Unfaced Building Insulation	Manufactured in widths to permit pressure fit installation. Used with a separate vapour retarder.	R-Value / RSI R-12 / 2.1 R-14 / 2.4 R-20 / 3.5 R-22 / 3.9 R-28 / 4.9 R-31 / 5.4 R-35 / 6.1 R-40 / 7.0	inches / mm 3.5", 89 mm 3.5", 89 mm 6", 152 mm 5.5", 140 mm 8.5, 216 mm 9.5", 241 mm 10.5", 267 mm 11.25", 286 mm	<ul style="list-style-type: none"> Complies with ASTM C665, Type I. Is noncombustible, meeting test criteria of ASTM E136. Thermal performance determined by ASTM C653 and C518. Conforms to CAN/ULC-S702-97, Type I, CCMC Number 13020-L.
MemBrain™	Vapour retarder sheeting intended for use with unfaced, vapour permeable mass insulation (fibre glass and mineral wool) in wall and ceiling cavities. MemBrain is a polyamide film that changes its permeability with ambient humidity conditions.	2 mil		<p>Water vapour permeance values are determined by ASTM E96.</p> <p>< 1.0 perm (57 ng/Pa•s•m2) (ASTM E96, Standard Desiccant method)</p> <p>> 10 perms (570 ng/Pa•s•m2) (ASTM E96, Standard Water method)</p> <ul style="list-style-type: none"> CCMC 13278-R CAN/ULC-S102-M88

Premium Blowing Wool Products	Description	Thermal Resistance				Applicable Standards
		R-Value/RSI	Bags per	Minimum Weight	Min. Installed/ Settled Thickness	
			1,000ft ²	lb/ft ²	inches	
InsulSafe®	Fibre glass blowing insulation for pneumatic application in open attics or closed cavities.	60 / 10.5	39.1	1.14	22.3"	<ul style="list-style-type: none"> Complies with ASTM C764, Type I. Thermal performance is determined by ASTM C687 and ASTM C518. CCMC1314L
		48 / 8.4	31.3	0.91	17.9"	
		44 / 7.7	28.7	0.83	16.4"	
		36 / 6.3	23.5	0.68	13.4"	
		30 / 5.3	19.8	0.57	11.3"	
		20 / 3.5	13.0	0.38	7.4"	
		16 / 2.8	10.4	0.30	6.0"	
12 / 2.1	7.8	0.23	4.5"			
OPTIMA® System	System including OPTIMA premium fibre glass blowing insulation and OPTIMA non-woven fabric or equivalent.	56	71.0	1.988	13.25" (2 x 14)	<ul style="list-style-type: none"> Complies with ASTM C764, Type I. Thermal performance is determined by ASTM C687 and ASTM C518. CCMC13272-R
		47	60.3	1.688	11.25" (2 x 12)	
		39	49.6	1.388	9.25" (2 x 10)	
		30	38.8	1.088	7.25" (2 x 8)	
		23	29.5	0.825	5.50" (2 x 6)	
15	18.8	0.525	3.50" (2 x 4)			

Standard Blowing Wool	Description	Thermal Resistance				Applicable Standards
		R-Value/RSI	Bags per	Minimum Weight	Min. Installed/ Settled Thickness	
			1,000ft ² / 100m ²	lb/ft ² / kg/m ²	inches / mm	
UltraTherm® C	Fibre glass insulation material processed for pneumatic application in attics.	60 / 10.5	44.7 / 48.1	1.56 / 7.63	22.3", 567 mm	<ul style="list-style-type: none"> Complies with ASTM C764, Type I. Is noncombustible, meeting criteria of ASTM E136. Thermal performance is determined by ASTM C687. CCMC13135L
		56 / 9.8	41.7 / 44.8	1.46 / 7.12	20.8", 529 mm	
		52 / 9.1	38.7 / 41.7	1.36 / 6.62	19.4", 492 mm	
		50 / 8.8	37.3 / 40.2	1.31 / 6.39	18.7", 475 mm	
		48 / 8.4	35.7 / 38.5	1.25 / 6.11	17.9", 454 mm	
		44 / 7.7	32.7 / 35.2	1.15 / 5.60	16.4", 416 mm	
		40 / 7.0	29.7 / 31.9	1.04 / 5.08	14.9", 378 mm	
		36 / 6.3	26.8 / 28.8	0.94 / 4.58	13.4", 340 mm	
		32 / 5.6	23.7 / 25.5	0.83 / 4.06	11.9", 302 mm	
		30 / 5.3	22.5 / 24.2	0.79 / 3.85	11.3", 286 mm	
		28 / 4.9	20.9 / 22.5	0.73 / 3.57	10.4", 265 mm	
		24 / 4.2	17.8 / 19.2	0.62 / 3.05	8.9", 227 mm	
		20 / 3.5	14.8 / 16.0	0.52 / 2.54	7.4", 189 mm	
		16 / 2.8	11.9 / 12.8	0.42 / 2.03	5.9", 151 mm	
		12 / 2.1	8.9 / 9.56	0.31 / 1.52	4.4", 113 mm	

*R means resistance to heat flow. The higher the R-Value, the greater the insulating power.

Surface Burning Characteristics

These products have the following maximum flame spread and smoke developed ratings when tested per ASTM E84:

Product	Flame Spread Index	Smoke Developed Index
Unfaced Building Insulation	≤ 25	≤ 50
MemBrain	20	55
InsulSafe	5	5
OPTIMA	5	5
UltraTherm	5	0

Fire Safety

CertainTeed unfaced fibre glass building insulation is noncombustible per ASTM E136 test criteria. Conforms to CAN/ULC-S702-97 Type I, CCMC Number 13020-L.

Sound Transmission Loss

CertainTeed's fibre glass products can reduce sound transmission when properly installed in construction assemblies and can add from 4 to 12 points to the STC rating depending on the type of partition. The actual rating is dependent on the workmanship, mass of total material, thickness of insulation, and the air tightness of the construction. In wood stud assemblies, separation of the wall surfaces plus the addition of insulation in stud cavities is the most effective means of reducing sound transmission. This is accomplished by installing resilient channel on one side of the partition, or with staggered or double wall constructions. The following table lists a typical sound rated partition construction.

Guide Specifications for CertainTeed Fibre Glass Thermal and Acoustical Insulations

Note to the specifier: Provide information as required; delete inappropriate items and fill in where indicated.

This guide specification applies to thermal and acoustical insulation in walls, ceilings and floors. It follows Construction Specifications Institute (CSI) format.

Part 1. General

- 1.01 Work Included
State type of insulation and where it is to be installed.
- 1.02 Related Work
State if separate vapour and/or air barrier is to be installed.
- 1.03 References
Include appropriate insulation standards.

Part 2. Products

2.01 Acceptable Manufacturers
CertainTeed Corporation

2.02 Materials

Thermal Insulation

Insulation for (ceilings) (walls) (floors) shall be CertainTeed

_____ inches thick

with R-Value of _____

or

Insulation for (ceilings) (or other approved location) shall be CertainTeed installed at minimum of

_____ inches thick, with _____

bags/1,000 sq. ft. for R-Value of _____

Sound Control Insulation

Insulation for (ceilings) (walls) (floors) shall be CertainTeed

Part 3. Execution

3.01 Preparation

Verify that mechanical and electrical services in (ceilings) (walls) (floors) have been installed and tested and, if appropriate, verify that adjacent materials are dry and ready to receive insulation.

3.02 Installation

Installation shall be in accordance with CertainTeed's instructions.



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