

CertainTeed

INSULATION

Product Overview — Canada



CertainTeed 

Quality made certain. Satisfaction guaranteed.™

CertainTeed Insulation. Made in Canada, for Canada.



CERTAINTEED HAS YOU COVERED.

CertainTeed now manufactures and sells a full line of energy efficient fibre glass insulation products right here in Canada. That includes batts and blankets, blowing insulation, and HVAC products – all with at least 65% recycled content – plus MemBrain,[™] a revolutionary smart vapour and air barrier film.

For more than 100 years, CertainTeed has promised “Quality Made Certain. Satisfaction Guaranteed.” You can rest assured our building insulation products will live up to that commitment – in any kind of climate or application.

Trust CertainTeed for outstanding performance, quality and innovation. Contact your local CertainTeed Gypsum and Insulation representative today.

THE PROFESSIONAL’S CHOICE.

You can turn to us for products and solutions your customers can count on. Project after project. With a wide range of insulation, gypsum and other building products to solve your toughest challenges, professional builders can take comfort in CertainTeed for commercial and residential applications.

GET SMART ABOUT BUILDING SCIENCE.

Building Science continues to gain attention and grow in importance in all types of construction. A number of factors—from code requirements to increased media coverage—have brought this issue to the forefront. CertainTeed understands the role insulation plays in the overall integrity of a building system. We have a dedicated Building Science department that works regularly with building professionals to solve critical building envelope issues and provide solutions that have a positive and lasting effect on the industry. If your customers have questions about Building Science, we encourage you to tap into this unique resource.





SOLUTIONS THAT SUPPORT AND SELL— AND MAKE YOUR JOB EASIER.

Our goal is to make working with CertainTeed as hassle-free as possible. We work to fully understand your business to help you optimize your results and provide value to your customers. Our delivery schedules are designed to fit your needs. Our sales materials provide you with relevant and timely information to use with your customers.

PUTTING THE “SERVICE” BACK IN CUSTOMER SERVICE.

At CertainTeed we take service seriously. That’s why our phone system is seamlessly integrated with our customer database, so the complete history of your relationship with CertainTeed is instantly available to the Order Management Associate who handles your call. And there’s a pretty good chance you’ll talk with someone you’ve spoken with before—which means a better understanding of your business and better service for you.



THE RIGHT CHOICE.

With everything we have to offer, it’s easy to see why CertainTeed is the right insulation partner for your business.





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Building Insulation



DESCRIPTION

Fibre glass building insulation batts are intended for use in either residential or commercial construction as thermal and acoustical insulation in ceilings, walls and floors. The product is unfaced and composed of yellow, uniformly textured, inorganic glass fibre. Insulation batts are compression

packaged for ease of handling and manufactured in a variety of thermal values and widths to permit friction-fit installation in construction assemblies.

This insulation is used with a separate vapour barrier, such as CertainTeed's MemBrain™, The Smart Vapour and Air Barrier Film.

PRODUCT BENEFITS

Installing lightweight and flexible fibre glass building insulation is an easy, cost-effective method to help conserve energy in new construction, remodeling, and re-insulation projects. Fibre glass building insulation provides:

- Thermal efficiency for greater comfort and lower energy bills
- Excellent acoustical performance; reduces noise levels
- Better moisture control; it does not absorb moisture and will not rot or otherwise deteriorate

CertainTeed Insulation is also:

- GREENGUARD® Certified for superior indoor air quality (IAQ) performance
- Noncorrosive
- Noncombustible
- Won't settle over time

STANDARD SIZES

R-VALUE		THICKNESS		WIDTH		LENGTH	
R	RSI	in.	mm	in.	mm	in.	mm
12	2.1	3.5	89	15, 23, 16, 24	381, 584 406, 610	47 48	1194 1219
13	2.3	3.5	89	15, 23	381, 584	47	1194
14	2.4	3.5	89	15, 23	381, 584	47	1194
20	3.5	6	152	15, 23 16, 24	381, 584 406, 610	47 48	1194 1219
22	3.9	5.5	140	14.75, 22.75	375, 578	47	1194
24	4.2	6	152	14.75, 22.75	375, 578	47	1194
28	4.9	8.5	216	16, 24	406, 610	48	1219
31	5.4	9.5	241	16, 24	406, 610	48	1219
35	5.3	10.5	267	16, 24	406, 610	48	1219
40	7.0	11.5	286	16, 24	406, 610	48	1219

Additional R-value sizes and special order products available, please contact your CertainTeed representative

MemBrain™—The Smart Alternative



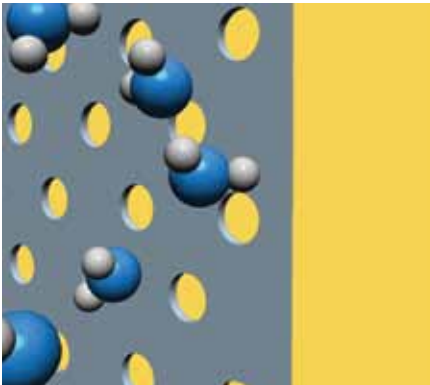
DESCRIPTION

MemBrain, the smart vapour and air barrier product, is an innovative polyamide film that changes its permeability with the ambient humidity condition. It is capable of changing its permeability, from low permeability in conditions of low relative humidity to higher permeability during conditions of high relative humidity. It is intended for use with unfaced fibre glass insulation in wall and ceiling cavities.

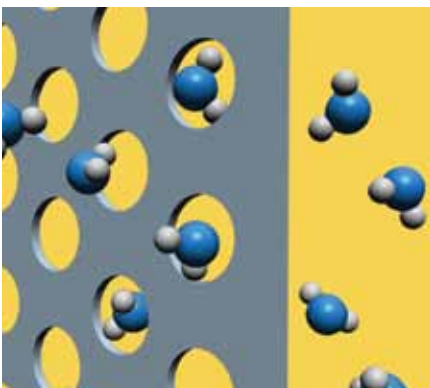
This product can be used in place of traditional vapour barriers with unfaced fibre glass insulation to provide an insulation system that is ideal in severe temperature and humidity climate condition areas.

INSTALLATION

MemBrain should be installed in all insulated walls and ceilings, including cathedral ceilings. Install as a vapour barrier or continuous interior air barrier. MemBrain is not intended to be used as an exterior vapour barrier or in exposed applications. Check local practice and/or building codes before installation.



Molecular-scale pores close under dry conditions, blocking vapour transmission.



Molecular-scale pores open under moist conditions, allowing vapour to pass through.

PRODUCT BENEFITS

MemBrain allows closed building envelope systems to increase their drying potential with seasonal climatic changes thereby decreasing moisture accumulation within the construction and the potential for moisture damage.



MEMBRAN

NOMINAL PRODUCT SIZE		NOMINAL ROLL WIDTH		ACTUAL ROLL WIDTH		COVERAGE		BOX LENGTH		ROLL WEIGHT*		ROLLS PER PALLET	WEIGHT PER PALLET	
ft.	m	in.	mm	in.	mm	sq.ft.	m ²	in.	mm	lbs.	kg	**	lbs.	kg
8	2.44	96	2438	100	2540	800	74.3	28.3	718	11.1	5.0	45	545	247
9	2.74	108	2743	112	2845	900	83.6	31.5	800	12.5	5.7	45	608	276
10	3.05	120	3048	124	3150	1000	92.9	34.5	876	13.7	6.2	40	593	269
12	3.66	144	3658	148	3759	1200	111.5	41.0	1041	17.0	7.71	30	555	252

*With box and core

**48" (1219 mm) maximum pallet height

Protected by one or more of the following U.S. and foreign patents:
U.S. Pat. Nos. 6,808,772; 6,878,455; 6,890,666; and 7,008,800
Can. Pat. No. 2215502

Other U.S. and foreign patents pending.

InsulSafe® Fibre Glass Blowing Insulation



COVERAGE CHART: ATTIC OPEN BLOW INSTALLATION

THERMAL RESISTANCE		MINIMUM THICKNESS		MAXIMUM COVERAGE PER BAG		MINIMUM NUMBER OF BAGS PER UNIT AREA		MINIMUM WEIGHT PER UNIT AREA	
R	RSI	in.	mm	ft ²	m ²	100ft ²	1000m ²	lbs/ft ²	kg/m ²
12	2.1	4.5	113	127.7	11.9	7.8	8.4	0.23	1.1
16	2.8	6.0	151	95.8	8.9	10.4	11.2	0.30	1.5
20	3.5	7.4	189	76.6	7.1	13.0	14.0	0.38	1.8
24	4.2	8.9	227	63.9	5.9	15.7	16.9	0.45	2.2
28	4.9	10.4	265	54.7	5.1	18.3	19.7	0.53	2.6
30	5.3	11.3	286	50.6	4.7	19.8	21.3	0.57	2.8
32	5.6	11.9	302	47.9	4.5	20.9	22.5	0.61	3.0
36	6.3	13.4	340	42.6	4.0	23.5	25.3	0.68	3.3
40	7.0	14.9	378	38.3	3.6	26.1	28.1	0.76	3.7
44	7.7	16.4	416	34.8	3.2	28.7	30.9	0.83	4.1
48	8.4	17.9	454	31.9	3.0	31.3	33.7	0.91	4.4
50	8.8	18.7	475	30.5	2.8	32.8	35.3	0.95	4.6
52	9.1	19.4	492	29.5	2.7	33.9	36.5	0.98	4.8
56	9.8	20.8	529	27.4	2.5	36.5	39.3	1.06	5.2
60	10.5	22.3	567	25.5	2.4	39.1	42.1	1.14	5.5

To obtain thermal resistance values shown on this chart, the correct number of bags must be installed to meet both the minimum thickness and minimum mass per unit area listed. The thickness at which the insulation achieves the stated thermal resistance shall be measured in areas where applied thickness is not restricted by roof slope or other obstructions.

DESCRIPTION

InsulSafe is an industry-leading fiber glass blowing insulation used in residential and commercial construction as a thermal and acoustical insulation. It is unbonded, white, virgin fibre glass designed for pneumatic installation in open areas and treated to minimize dust and static electricity during application.

PRODUCT BENEFITS

- Better coverage
- Thermally efficient
- Won't settle, rot or decay
- Lasts for life of the home to reduce energy demand and costs
- Environmentally sustainable
- Noncombustible
- Noncorrosive
- Won't absorb moisture or support fungus growth
- GREENGUARD® Children & School Certified
- Limited lifetime warranty

INSTALLATION

When installed with pneumatic equipment, the thermal performances in the chart will be achieved at the thickness, weights and coverage specified, based on a nominal 29 lb. bag (13.2 kg). Intended for use in unconfined spaces on horizontal surfaces (or over ceilings sloped not more than 4.5" in 12").

Northern White™ Fibre Glass Blowing Insulation



DESCRIPTION

Northern White is an industry-leading fibre glass blowing insulation used in residential and commercial construction as a thermal and acoustical insulation. It is unbonded, white, virgin fibre glass designed for pneumatic installation in open areas.

PRODUCT BENEFITS

- Great coverage
- Thermally efficient
- Won't settle, rot or decay
- Lasts for life of home to reduce energy demand and cost
- Environmentally sustainable
- Noncombustible
- Noncorrosive
- Won't absorb moisture or support fungus growth
- Made with at least 65% recycled content
- Limited Lifetime Warranty
- Formaldehyde-Free

COVERAGE CHART: ATTIC OPEN BLOW INSTALLATION

THERMAL RESISTANCE		MINIMUM THICKNESS		MINIMUM WEIGHT PER UNIT AREA		MINIMUM COVERAGE PER BAG		BAGS PER UNIT AREA	
R	RSI	in.	mm	lb/ft ²	kg/m ²	ft ²	m ²	1,000ft ²	100m ²
12	2.1	4.5	114	0.20	0.98	134.3	12.47	7.4	8.0
16	2.8	6.0	151	0.27	1.31	100.7	9.35	9.9	10.7
20	3.5	7.4	189	0.34	1.64	80.6	7.48	12.4	13.4
24	4.2	8.9	227	0.40	1.96	67.1	6.24	14.9	16.0
28	4.9	10.4	265	0.47	2.29	57.5	5.35	17.4	18.7
30	5.3	11.3	286	0.51	2.48	53.2	4.94	18.8	20.2
34	6.0	12.8	324	0.57	2.81	47.0	4.37	21.3	22.9
38	6.7	14.3	362	0.64	3.13	42.1	3.91	23.8	25.6
40	7.0	14.9	378	0.67	3.27	40.3	3.74	24.8	26.7
50	8.8	18.7	476	0.84	4.12	32.0	2.98	31.2	33.6
60	10.5	22.3	568	1.01	4.91	26.9	2.49	37.2	40.1

Bagweight 27 lbs. (12.25 kg) Design density 0.54 lb/ft³ (8.65 kg/m³) Design thermal resistance 2.67 R/in (18.5 RSI/m) To obtain thermal resistance values shown on this chart, the applicator must install the correct number of bags to meet both the minimum thickness and minimum mass per unit area listed.

INSTALLATION

When installed with pneumatic equipment, the thermal performances in the chart will be achieved at the thicknesses, weights and coverage specified, based on a nominal 27lb. bag (12.25 kg). Intended for use in unconfined spaces on horizontal surfaces (or over ceilings sloped not more than 4.5" in 12").

OPTIMA[®] Wall Insulation System



DESCRIPTION

The OPTIMA system of fibre glass blow-in insulation is a thermal and acoustical insulation for sidewalls, cathedral ceilings, and other closed-cavity applications. The insulation is an unbonded, white, loose-fill virgin fibre glass designed for pneumatic installation behind non-woven OPTIMA fabric (or equivalent). This product can be used in Blow-In-Blanket[®] System (BIBS[®]).

SYSTEM BENEFITS

- Blown in dry—immediately ready for drywall
- Thermally efficient—fills voids for higher R-Values per inch
- Excellent sound control
- Little dust—quick clean-up
- Uniform application
- Won't settle
- GREENGUARD[®] Children & School Certified

INSTALLATION

When installed, OPTIMA will achieve the thermal performances at the thickness, density and coverage specified, based on a nominal 28 lb. (12.7 kg) bag (see chart). For proper installation, see our OPTIMA Installation Guide (30-24-223).

COVERAGE CHART

THERMAL RESISTANCE		CAPACITY DEPTH		MAXIMUM COVERAGE PER BAG		MINIMUM NUMBER OF BAGS		MINIMUM WEIGHT PER UNIT	
R	RSI	in.	mm	ft. ²	m ²	1,000 ft. ²	100 m ²	lbs./ft. ²	kg/m ²
14	2.5	3.5	89	53.3	5	18.8	20.2	0.53	2.56
22	3.9	5.5	140	33.9	3.2	29.5	31.7	0.83	40.3
28	4.9	7.25	184	25.7	2.4	38.8	41.8	1.09	5.31
36	6.3	9.25	235	20.2	1.9	49.6	53.3	1.39	6.77

Design density = 1.8 lb./ft.³ (28.8 kg/m³)

Basement Blanket Insulation



BASEMENT BLANKET INSULATION

R-VALUE		THICKNESS		WIDTH		LENGTH	
R	RSI	in.	mm	in.	mm	ft.	m
8	1.4	2.625	67	48	1219	100, 120	30.5, 36.5
12	2.1	3.875	98	48	1219	100	30.5

Additional R-value sizes and special order products available, please contact your CertainTeed representative

DESCRIPTION

Basement Blanket Insulation is a flexible blanket composed for non-organic glass fibres bonded together to form uniformly textured, yellow blanket insulation. Furnished in unfaced rolls, its primary use is on interior residential basement walls. It is intended to be laminated with an appropriate facing suited to the specific job application.

PRODUCT BENEFITS

- Excellent resistance to heat loss or gain
- Saves energy and lowers operating costs
- GREENGUARD® Certified

NoiseReducer® Fibre Glass Insulation



DESCRIPTION

NoiseReducer Sound Control Batts are designed for use in commercial and residential wall and ceiling assemblies to effectively reduce transmission of airborne sound. The unique sound-absorbing batts fill the void between interior standard studs, and effectively break the path of sound for added privacy, quiet, and peace

of mind. For more on reducing unwanted noise in homes and other buildings, visit: www.mysoundchek.com and www.certainteed.com/learning-center/insulation

PRODUCT BENEFITS

- Creates peaceful, quiet interior spaces
- Reduces noise between adjoining rooms – perfect for theatre and game rooms
- Lightweight and flexible
- Easy to handle and install
- Adds 4 to 12 points to STC (Sound Transmission Class) rating* depending on the type of assembly
- Will not rot or deteriorate

*STC is a numerical rating of the ability of a wall, floor or ceiling to reduce sound transmission.

STANDARD NOISEREDUCER SIZES

ITEM	THICKNESS		WIDTH		LENGTH		PIECES PER BAG	AREA/PKG.	
	in.	mm	in.	mm	in.	mm		ft ²	m ²
903200	2.75"	69.85	16"	406.4	48"	1219.2	32	170.67	15.86
903201	2.75"	69.85	24"	609.6	48"	1219.2	32	256	23.78
903203	3.5"	88.9	16"	406.4	48"	1219.2	18	106.67	9.91
903204	3.5"	88.9	24"	609.6	48"	1219.2	18	160	14.86
903212	6.0"	152.4	16"	406.4	48"	1219.2	10	58.67	5.45
903214	6.0"	152.4	24"	609.6	48"	1219.2	10	88	8.18

Compliance and Specifications Information

BUILDING INSULATION, NOISEREDUCER® & BASEMENT BLANKET INSULATION

- National Building Code 2005
 - CAN/ULC-S702, Type 1
 - CCMC 09521-L
 - CSA A1010
 - CAN/CGSB 51.11-92
- Material Standards:
 - ASTM C 177
 - ASTM C 518
 - ASTM C 665
 - ASTM C 1104
 - ASTM C 1304
- Fire Resistance:
 - CAN/ULC-S102
Flame Spread: 5
Smoke developed: 0
 - CAN4-S114
Noncombustibility-Pass
 - ULC-S129 (ASTM E 136)
Smolder Resistance-Pass
- GREENGUARD® Certified

MEMBRAIN™

- Water vapour permeance values are determined by ASTM E 96.
<1.0 perm (57 ng/Pa.s. m2)
(ASTM E 96, Standard Desiccant method)
>10 perms (570 ng/Pa.s.m2)
(ASTM E 96, Standard Water method)
- CCMC 13278-R
 - CAN/ULC-S102

INSULSAFE® & NORTHERN WHITE™

- National Building Code 2005
 - CAN/ULC-S702, Type 5
 - CCMC 13141-L
(InsulSafe)
 - CCCMC 13255-L
(Northern White)
 - ULC-S129
- Material Standards:
 - ASTM C 764, Type 1
 - ASTM C 687 and C 518
 - ASTM E 970
 - ASTM C 1104
 - ASTM C 1304
 - ASTM C 1338
- Fire Resistance:
 - CAN/ULC-S102.2 (ASTM E 84)
Flame Spread ≤ 5
Smoke developed ≤ 10
 - ULC-S129 (ASTM E 136)
Smolder Resistance-Pass
- GREENGUARD® (Children & Schools) Certified (InsulSafe)

OPTIMA® WALL SYSTEM

- National Building Code 2005
 - CCMC 13272-R
- System Components
 - OPTIMA Loose Fill Fibre Glass Insulation
 - OPTIMA nonwoven fabric Insulation
- Material Standards:
 - CAN/ULC-S702
 - ASTM C 764

- ASTM C 687
- ASTM C 970
- ASTM C 1104
- ASTM C 1304
- ASTM C 1338
- Fire Resistance:
 - CAN/ULC-S102.2 (ASTM E 84)
Flame Spread ≤ 5
Smoke developed ≤ 10
 - ULC-S129 (ASTM E 136)
Smolder Resistance-Pass
- GREENGUARD® (Children & Schools) Certified

SAMPLE PROCUREMENT/ SPECIFICATION STATEMENT

Insulation as shown on drawings on procurement documents shall be Fibre Glass Building Insulation (appropriate product name) as manufactured by CertainTeed Corporation.

Thermal resistance values of the insulation shall be R (RSI) ___ in ceilings, R (RSI) ___ in walls, and R (RSI) ___ in floors over unheated spaces. Insulation shall comply with the requirements of (appropriate specification) and shall be installed in accordance with the manufacturer's recommendations.

Specify either CertainTeed's recommended thermal values, current NBC Standard values or local code requirements in the blanks above.

CertainTeed is the right choice for your business.

THE RIGHT PRODUCTS.

CertainTeed has been making quality building products for more than 100 years and is part of the largest building materials company in the world, Saint-Gobain. We offer you a full line of fibre glass insulation products to meet the needs of your business and your customers.

And even though we've been doing this for a long time, we're always looking for new and better ways to improve our products and increase productivity.

THE RIGHT PERFORMANCE.

Our fibre glass insulation products have achieved GREENGUARD® Certification for superior indoor air quality performance. This means our products will contribute very low levels of volatile organic compounds (VOCs) and other pollutants to the indoor environment.

THE RIGHT DELIVERY.

It's tough for you to sell something when it's not there. CertainTeed delivers product when we say we will. Our world-class ordertracking and logistics is committed to superior service and delivering our products to you when you expect them.

THE RIGHT PROGRAMS.

Our ultimate goal, of course, is to deliver the absolute best products and programs for your business. We offer solutions that streamline inventory and incentives to maximize sales as well as margins.

THE RIGHT SUPPORT.

We don't just sell insulation. We listen. We want to understand the unique needs of your business in order to deliver solutions that actually work. From our Building Science department to our dedicated sales team, we work to earn your trust and your business—order after order, year after year.



For questions regarding specifications, building codes and installation practices, contact our Technical Services Department at (800) 233-8990.

In addition to our residential fibre glass insulation products, CertainTeed offers a full line of commercial and HVAC insulation products.

ASK ABOUT OUR OTHER CERTAINTEED PRODUCTS AND SYSTEMS:

**EXTERIOR: ROOFING • SIDING • WINDOWS • FENCE • RAILING • TRIM • DECKING • FOUNDATIONS • PIPE
INTERIOR: INSULATION • GYPSUM • CEILINGS**

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CertainTeed 