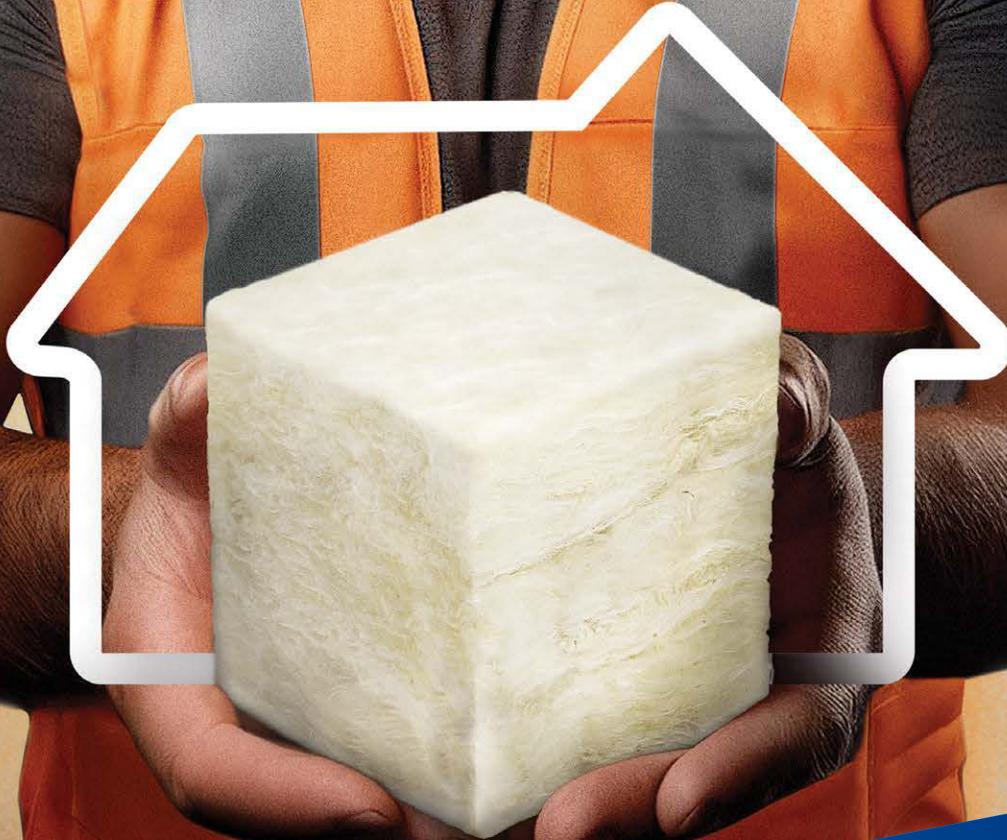


 **certainteed**
SAINT-GOBAIN



Building Insulation

PRODUCT OVERVIEW - CANADA




SAINT-GOBAIN

CERTAINTEED INSULATION

Canadian Solutions for Canadian Buildings

We're more than just a building materials manufacturer, we're a true solutions provider for you.

CertainTeed manufactures and sells our energy-efficient, insulation products, including batts, blowing wool and blankets, right here in Canada. Additionally, our glass fibre building insulation is third-party certified for a high percentage of recycled glass and renewable content.



Quality. Selection. Service.

PRODUCTS

Our comprehensive product line has everything you need to satisfy even the toughest building codes and customer demands for any new build, retrofit, or remodel.

SUPPORT

We're committed to helping you succeed. We provide prompt, outstanding technical assistance along with a full range of marketing tools, and other business-building resources.

SERVICE

We'll help you select and customize the best insulation system solutions for your customers. With our Service Advantage, Customer Bill of Rights, and unmatched expertise, you can be sure you get what you need, when you need it.

SUSTAINABILITY

Like many of your customers, we are committed to environmental responsibility. With the market for green buildings growing rapidly, we have the products, tools, and certifications you need to meet green building standards.

Complete Comfort

Your insulation choice impacts thermal performance as well as moisture management, air tightness and acoustics. It's important to choose wisely during a home's construction, as upgrading later can be difficult and expensive. When the insulation you choose successfully controls all of the following aspects, you can achieve a higher level of comfort for your customers.



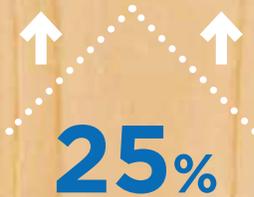
THE BENEFITS OF INSULATION

An under-insulated home will experience substantial heat loss and gain throughout the year—and there are a significant number of older homes that lack sufficient insulation. Sealing leaks and installing high quality CertainTeed insulation benefits homeowners in several ways:

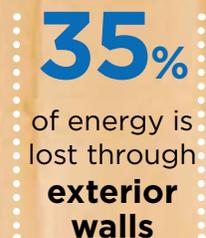
- Improves comfort, with fewer drafts and hot and cold spots
- Lowers energy bills year-round for the life of the home
- Helps ensure performance of HVAC systems
- Provides potentially higher resale value
- Protects roofs against winter ice dams

FIRE SAFETY

Glass fibre insulation is made primarily from sand and glass, it's naturally noncombustible and stays that way for the life of the home. Other types of insulation require fire-retardant additives, which can lose their effectiveness over time.



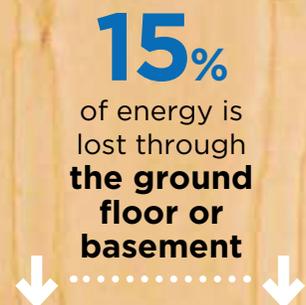
of energy is lost through **the roof**



of energy is lost through **exterior walls**



of energy is lost through **windows and doors**



of energy is lost through **the ground floor or basement**

www.greenhomeglobe.com/energy-loss-homes-insulation/



Lanae

Sustainable Insulation™

Glass Fibre Building Insulation



CertainTeed Lanae Sustainable Insulation™ is an easy to install, cost effective solution to help save energy in residential and commercial new construction, as well as for renovating or retrofitting existing buildings. In addition to its thermal properties, this glass fibre building insulation also provides excellent acoustical performance. It is made of glass fibre that consists of rapidly renewable content, a high percentage of recycled glass, and has a plant-based binder that has no formaldehyde, dyes or unnecessary fire retardants added. It is designed for use in standard wood stud and steel frame assemblies.

Sustainable Insulation brings you long-lasting comfort through increased thermal performance and reduced noise levels. Thanks to CertainTeed's Sustainable Insulation products, your family can enjoy complete comfort all year round.

FEATURES AND BENEFITS



Better for the PLANET

- Bio-sourced binder
- High recycled content



Better for the INSTALLERS

- Easy to cut and fit
- Soft touch, low dust



Better for FAMILIES

- Formaldehyde-Free
- Improves energy efficiency

SURFACE BURNING CHARACTERISTICS

- Flame spread: 0 / Smoke developed: 0

STANDARD SIZES

R-VALUE		THICKNESS		WIDTH		LENGTH	
R (m ² •°C/WATTS)	RSI (HR•ft ² •°F/BTU)	in	mm	in	mm	in	mm
8	1.4	2.75	70	15, 16, 24	381, 406, 610	47, 48	1194, 2119
12	2.1	3.5	89	15, 16, 23, 24	381, 406, 584, 610	47, 48	1194, 1219
14	2.4	3.5	89	15, 16, 23	381, 406, 584	47, 48	1194, 1219
20	3.5	6	152	15, 16, 23, 24	381, 406, 584, 610	47, 48	1194, 1219
22	3.8	5.5	140	15, 23	381, 584	47	1194
22.5	4.0	6	152	16	406	48	1219
24	4.2	5.5	140	14.75, 22.75, 16	375, 578, 406	47, 48	1194, 1219
28	4.9	7.5	191	15, 23	381, 584	48	1219
28	4.9	8.5	216	15, 16, 23, 24	381, 406, 584, 610	48	1219
31	5.4	9.5	241	16, 24	406, 610	48	1219
35	6.1	10.75	273	16, 24	406, 610	48	1219
40	7	12	305	16, 24	406, 610	48	1219

Additional R/RSI-Value sizes and special order products available, please contact your local CertainTeed Insulation Sales Representative.



Lanae

NoiseReducer™

Glass Fibre Sound Attenuation Batts

CertainTeed Lanae NoiseReducer™ Sound Attenuation Batts are designed for use in residential and commercial wall and ceiling assemblies to effectively reduce unwanted noise. These sound-absorbing batts fill the void between interior standard studs, and break the path of sound for added privacy, quiet and peace of mind. They provide excellent acoustical performance to help reduce sound transmission between adjoining rooms. These lightweight, flexible products are easy to handle and fabricate on the job site and conform to irregular surfaces. The product resists mould and mildew and will not rot or deteriorate. The NoiseReducer Sound Attenuation Batts bring you long lasting comfort through increased thermal performance and reduced noise levels.

FEATURES AND BENEFITS



Better for the PLANET

- Bio-sourced binder
- High recycled content



Better for the INSTALLERS

- Easy to cut and fit
- Soft touch, low dust



Better for FAMILIES

- Formaldehyde-Free
- Improves energy efficiency



STANDARD SIZES

R/RSI-Value		THICKNESS		WIDTH		LENGTH	
R (m ² •°C/WATTS)	RSI (HR•ft ² •°F/BTU)	in	mm	in	mm	in	mm
8	1.4	2.75	70	16	406	48	1219
8	1.4	2.75	70	24	610	48	1219
12	2.1	3.5	89	15	381	47	1194
12	2.1	3.5	89	16	406	48	1219
12	2.1	3.5	89	23	584	47	1194
12	2.1	3.5	89	24	610	48	1219
20	3.5	6.0	152	16	406	48	1219
20	3.5	6.0	152	24	610	48	1219

Additional R/RSI-Value sizes and special order products available, please contact your local Certainteed Insulation Sales Representative.

STC RATINGS FOR 3 5/8" (92 mm) STEEL STUD WALL ASSEMBLIES

	1 Layer of 1/2" (13 mm) Type C Drywall Panel Each Side	1 Layer of 5/8" (16 mm) Type X Drywall Panel Each Side	1 Layer of 1/2" (13 mm) Type C Drywall Panel on One Side, 2 Layers on Other Side	2 Layers of 1/2" (13 mm) Type C Drywall Panel Each Side	2 Layers of 5/8" (16 mm) Type X Drywall Panel Each Side
16" (406 mm) o.c.	45	47	48	53	56
24" (610 mm) o.c.	48	50	52	55	58

SOURCE: NRC CANADA



MemBrain™

Smart Vapour Retarder

CertainTeed's MemBrain™ is an innovative polyamide film that changes its permeability with the ambient humidity condition. The product's permeance is 1 perm (57 ng [s·m² Pa]) or less when tested with ASTM E96 dry cup method. It increases to greater than 10 perms (572 ng/[s m² Pa]) using the wet cup method. MemBrain provides an airtight building envelope while increasing drying potential with seasonal climatic changes.

MemBrain is intended for use with unfaced insulation (glass fibre and mineral wool) in wall and ceiling cavities. It should be installed in all insulated walls and ceilings. For most areas, it should be installed on the warm-in-the-winter side of the insulation (toward the interior). MemBrain must be installed as a continuous layer and overlap at any envelope penetrations. The specifications for any airtight construction should include full details of the sealing layers and the various building components needed, with particular attention paid to the interfaces between different materials. Approved tapes and glues should be used to ensure proper sealing.

STANDARD SIZES

NOMINAL PRODUCT SIZE		ACTUAL ROLL WIDTH		ACTUAL ROLL LENGTH		COVERAGE	
ft.	m	ft.	m	ft.	m	sq. ft.	m ²
8 x 50	2.4 x 15.2	8' 4"	2.54	50'	15.24	417	38.7
8 x 100	2.4 x 30.5	8' 4"	2.54	100'	30.48	833	77.4
9 x 100	2.7 x 30.5	9' 4"	2.85	100'	30.48	933	86.7
10 x 100	3 x 30.5	10' 4"	3.15	100'	30.48	1,033	96.0
12 x 100	3.7 x 30.5	12' 4"	3.76	100'	30.48	1,233	114.6

*With box and core

**48 in. (1219 mm) maximum pallet height

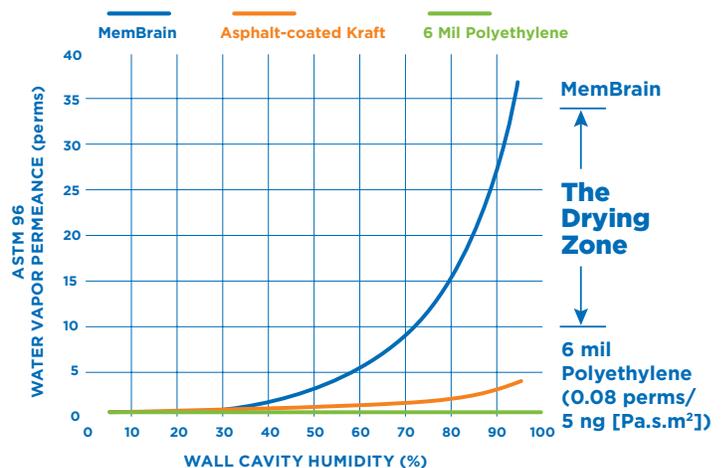
Patented Technology

FEATURES AND BENEFITS

- Smart alternative to 6 mil. poly — won't trap damaging moisture in the structure
- Changes its permeability with the ambient humidity condition
- Provides an airtight and sealed envelope
- Reduces risk of mould, mildew and rotting
- Provides excellent indoor air quality
- Red List free

PERMEABILITY

MemBrain™ can adapt from fully closed to open (<1 to 35 perms) to provide greater drying capability.





InsulSafe® XC

Glass Fibre Blowing Wool

InsulSafe® XC is an industry-leading glass fibre blowing insulation used in residential and commercial construction as a thermal and acoustical insulation. It is unbonded, white, virgin glass fibre designed for pneumatic installation in open areas and treated to minimize dust and static electricity during application. It won't settle and is noncombustible, non-corrosive and odour free.

InsulSafe XC is very well-suited for CertainTeed Machine Works blowing machines. It's treated to minimize dust and static. InsulSafe XC is the perfect solution in open attic areas.



FEATURES AND BENEFITS

- Excellent insulating properties
- Will not settle, rot, decay or retain moisture
- Reduces energy demand and costs
- Environmentally sustainable
- Noncombustible, noncorrosive and odour free
- Will not support mildew or fungus growth
- GREENGUARD GOLD - Certified for superior indoor air quality (IAQ) performance
- Formaldehyde-free
- 3rd-party verified recycled content
- Environmental Product Declaration (EPD)
- Health Product Declaration (HPD)

THERMAL RESISTANCE		MIN. THICKNESS		MIN. MASS/AREA		MAX. COVERAGE/BAG		MIN. BAGS/AREA	
R	RSI	in	mm	lb/ft ²	kg/m ²	ft ²	m ²	per 1,000ft ²	per 100m ²
12	2.1	4.5	114	0.194	0.95	160.1	14.9	6.2	6.7
16	2.8	6.0	151	0.258	1.26	120.1	11.2	8.3	9.0
20	3.5	7.4	189	0.323	1.58	96.0	8.9	10.4	11.2
24	4.2	8.9	227	0.387	1.89	80.0	7.4	12.5	13.4
28	4.9	10.4	265	0.452	2.21	68.6	6.4	14.6	15.7
30	5.3	11.3	286	0.489	2.39	63.4	5.9	15.8	17.0
32	5.6	11.9	303	0.516	2.52	60.0	5.6	16.7	17.9
36	6.3	13.4	341	0.581	2.84	53.4	5.0	18.7	20.2
40	7.0	14.9	378	0.646	3.15	48.0	4.5	20.8	22.4
44	7.7	16.4	416	0.710	3.47	43.7	4.1	22.9	24.7
48	8.4	17.9	454	0.775	3.78	40.0	3.7	25.0	26.9
50	8.8	18.7	476	0.812	3.96	38.2	3.5	26.2	28.2
52	9.1	19.4	492	0.839	4.10	36.9	3.4	27.1	29.1
56	9.5	20.9	530	0.904	4.41	34.3	3.2	29.2	31.4
60	10.5	22.3	568	0.968	4.73	32.0	3.0	31.2	33.6

InsulSafe XC, CCMC 13141-L, CAN/ULC-S702-09, Type 5 loose fill mineral fibre thermal insulation / Unconfined attic spaces with slopes not exceeding 4.5:12
 Follow the installation instructions on the specification sheet.



NorthernWhite™

Glass Fibre Blowing Wool

Northern White is a premium, unbonded, white, virgin fibre loose-fill thermal and acoustical insulation for residential and commercial construction. It is designed for pneumatic installation in open attic or ceiling plenum areas. It is noncombustible, non-corrosive and odour free.

Northern White won't settle, contains no chemicals to cause mildew and fungus growth, provides no sustenance for vermin, contains no asbestos, won't rot or decay and won't absorb moisture. Northern White is made from a combined minimum of 65% pre- and post-consumer recycled content.

FEATURES AND BENEFITS

- Excellent insulating properties
- Will not settle, rot, decay or retain moisture
- Reduces energy demand and costs
- Noncombustible, noncorrosive and odour free
- Will not support mildew or fungus growth

THERMAL RESISTANCE		MIN. THICKNESS		MIN. MASS/AREA		MAX. COVERAGE/BAG		MIN. BAGS/AREA	
R	RSI	in	mm	lb/ft ²	kg/m ²	ft ²	m ²	per 1,000ft ²	per 100m ²
8.0	1.4	3.0	76	0.13	0.65	201.4	18.71	5.0	5.3
12	2.1	4.5	114	0.20	0.98	134.3	12.47	7.4	8.0
13	2.3	4.9	124	0.22	1.08	122.6	11.39	8.2	8.8
16	2.8	6.0	151	0.27	1.31	100.7	9.35	9.9	10.7
19	3.3	7.0	178	0.32	1.54	85.4	7.94	11.7	12.6
20	3.5	7.4	189	0.34	1.64	80.6	7.48	12.4	13.4
22	3.8	8.1	205	0.36	1.78	74.2	6.89	13.5	14.5
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
32	5.6	11.9	303	0.54	2.62	50.3	4.68	19.9	21.4
34	6.0	12.8	324	0.57	2.81	47.0	4.37	21.3	22.9
36	6.3	13.4	341	0.60	2.95	44.8	4.16	22.3	24.1
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
44	7.7	16.4	416	0.74	3.60	36.6	3.40	27.3	29.4
48	8.4	17.9	454	0.80	3.93	33.6	3.12	29.8	32.1
49	8.6	18.3	465	0.82	4.02	32.8	3.05	30.5	32.8
50	8.8	18.7	476	0.84	4.12	32.0	2.98	31.2	33.6
52	9.1	19.4	492	0.87	4.26	31.0	2.88	32.3	34.7
56	9.8	20.9	530	0.94	4.58	28.8	2.67	34.8	37.4
60	10.5	22.3	568	1.01	4.91	26.9	2.49	37.2	40.1

Follow the installation instructions on the specification sheet.



Ultratherm

Glass Fibre Blowing Wool



FEATURES AND BENEFITS

- Re-purposed insulation
- Excellent insulating properties
- Will not settle, rot, decay or retain moisture
- Reduces energy demand and costs
- Noncombustible, noncorrosive and odour free
- Will not support mildew or fungus growth

THERMAL RESISTANCE		MIN. THICKNESS		MIN. MASS/AREA		MAX. COVERAGE/BAG		MIN. BAGS/AREA	
R	RSI	in	mm	lb/ft ²	kg/m ²	ft ²	m ²	per 1,000ft ²	per 100m ²
8	1.4	3.0	76	0.23	1.1	141	13.1	7.1	7.6
10	1.8	3.7	95	0.29	1.4	113	10.5	8.8	9.5
12	2.1	4.5	114	0.35	1.7	94	8.7	10.6	11.4
14	2.5	5.2	133	0.41	2.0	81	7.5	12.3	13.3
16	2.8	6.0	152	0.47	2.3	70	6.5	14.1	15.2
20	3.5	7.5	190	0.59	2.9	56	5.2	17.6	19.0
24	4.2	9.0	228	0.70	3.4	46	4.3	21.2	22.8
28	4.9	10.5	267	0.82	4.0	40	3.7	24.7	26.6
30	5.3	11.2	286	0.88	4.3	38	3.5	26.5	28.5
32	5.6	12.0	305	0.94	4.6	34	3.2	28.2	30.4
34	6.0	12.7	324	1.00	4.9	32	3.0	30.0	32.3
36	6.3	13.5	343	1.06	5.2	31	2.9	31.8	34.2
38	6.7	14.2	362	1.12	5.4	30	2.8	33.5	36.1
40	7.0	15.0	381	1.17	5.7	28	2.6	35.3	38.0
42	7.4	15.7	400	1.23	6.0	27	2.5	37.0	39.9
44	7.7	16.5	419	1.29	6.3	26	2.4	38.8	41.8
46	8.1	17.2	438	1.35	6.6	25	2.3	40.6	43.7
48	8.5	18.0	457	1.41	6.9	24	2.2	42.3	45.6
50	8.8	18.7	476	1.47	7.2	23	2.1	44.1	47.5
52	9.2	19.5	495	1.53	7.5	22	2.0	45.9	49.4
54	9.5	20.2	514	1.59	7.7	21	2.0	47.6	51.3
56	9.9	21.0	533	1.64	8.0	20	1.9	49.4	53.2
58	10.2	21.7	552	1.70	8.3	20	1.8	51.2	55.1
60	10.6	22.5	571	1.76	8.6	19	1.8	52.9	57.0

To obtain the thermal resistance shown, this material must be installed equal to or greater than, both the minimum mass per unit area and the minimum thickness.



CertainTeed Machine Works

Insulation Blowing Machines

CertainTeed Machine Works offers a complete line of industry leading, commercial-grade equipment for the installation or removal of loosefill fibre insulation. Our insulation blowing machines – truck-mounted or portable – are configured to meet your specific needs.

Our high-performance truck-mounted machines are powered by gasoline or diesel engines or can be driven directly from a truck's transmission. For added versatility, our portable electric blowing machines are compact, easy to transport, and ideal for a variety of job sites.

All CertainTeed blowing machines are engineered to condition the fibre for optimal coverage and thermal performance. We also offer powerful insulation vacuums, available in both gas and electric models.

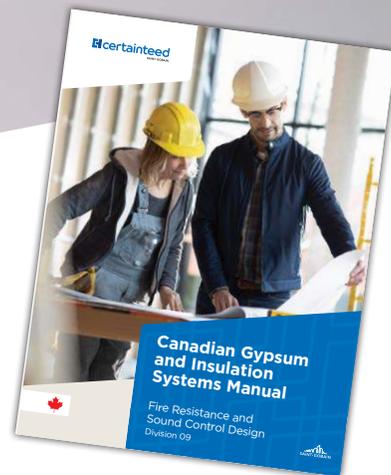
For more information, call 1-800-237-7841 or visit certainteed.ca/why-machine-works.

FEATURES AND BENEFITS

- **Reliable Performance** – Consistent fibre conditioning for optimal coverage and thermal efficiency
- **Versatile Options** – Available in truck-mounted (gas, diesel, PTO) and portable electric models
- **Easy to Use and Transport** – Compact designs with simple controls for faster setup and operation
- **Durable and Built to Last** – Commercial-grade construction backed by CertainTeed expertise



Refer to our *Gypsum and Insulation System Manual* for STC and Fire ratings.



Resources

CertainTeed provides more than a wide breadth of full-service solutions for your building construction needs. Within every solution we bring to the table, safety, sustainability, energy efficiency, indoor air quality, comfort, and control are at the forefront. All of these functions are built from one solid foundation - Building Science.

Our Technical Services Department and extensive internal and external network of building science experts have extensive backgrounds in building forensics and practical application experience. These resources are an extension of the products that we offer and are available to assist you in identifying the proper solution for your building needs and address any questions regarding specifications, building codes, and installation best practices.

Once you know the solution you require, contact Customer Service to place your order. Our phone system is seamlessly integrated with our customer database. The complete history of your relationship with us is instantly available to the Order Management Associate who handles your call.

Your local CertainTeed Insulation Sales Representative would be happy to assist you with any of your solution needs in addition to the above-mentioned resources.

CONTACTS

Building Science

www.certainteed.com/BuildingScience

Technical Services

Toll Free: (800) 233-8990

Customer Service

Professional: (800) 233-8990

Consumer: (800) 782-8777

Order Desk

Toll Free: (877) 634-7378

Fax: (613) 737-6563

customerservice-ctcanada@saint-gobain.com

For More Information

www.certainteed.ca/insulation



SAINT-GOBAIN

Our team is here to support you with pricing, product selection, and order planning.

1-877-634-7378

igjr-customerservice@saint-gobain.com

www.certainteed.ca/insulation



SUSTAINABLE INSULATION™

NOISEREDUCER™/MC

Thermal and Acoustical Glass Fibre Insulation Batts / Nattes d'isolation thermique et acoustique en fibre de verre

RSI-2.1

R-12 16"



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CertainTeed Canada

CEILING • GYPSUM • INSULATION • ROOFING • SIDING • TRIM

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