



CertainTeed 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 & BENEFITS

	QUICK INSTALLING		COST EFFECTIVE		VERSATILE
	THERMAL		ACOUSTICAL		MOULD & MILDEW RESISTANT

COMPOSITION & MATERIALS

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

APPLICATION

Maintain building, electrical, gas and oil safety code required clearances between the insulation and heat-emitting devices, such as fuel-burning appliances, chimneys, pipes, ducts and vents to these appliances (at least 50 mm), and between the insulation and recessed light fixtures (at least 75 mm), unless the fixture is identified for contact with insulation.

Because of potential skin irritation, unfaced building insulation should not be installed in an exposed area where it will be subject to human contact.

All building insulation should be kept dry. Wet glass fibre insulation will lose its effectiveness until it dries. The glass fibre will often dry naturally and regain its original R-Value. However, under conditions where the insulation will not dry thoroughly, it should be removed and allowed to dry or be replaced.

QUALITY ASSURANCE

Our products meet the most stringent certificates:



TECHNICAL DATA

APPLICABLE STANDARDS, CODE COMPLIANCE

- Model Building Codes:
- National Building Code of Canada 2020 Sections 5.9 and 9.25
- Material Standards:
- CAN/ULC-S702-09 Type I
 - CCMC Evaluation Listing No. 09521-L
 - GREENGUARD® Gold Certified
 - Environmental Product Declaration (EPD)
 - Health Product Declaration (HPD)
 - Green Circle verified Recycled Content

PHYSICAL / CHEMICAL PROPERTIES

PROPERTY (UNIT)	TEST	VALUE
Thermal Performance:	ASTM C518	R-Values for insulation only, as stated in table on other side
Surface Burning Characteristics	CAN/ULC-S102	Flame spread index: 5 Smoke developed index: 0
Noncombustibility (Unfaced):	CAN/ULC-S114	Pass
Smoulder Resistance:	CAN/ULC-S129	Mean mass loss ≤ 5% and each specimen ≤ 10%
Water Vapor Sorption:	ASTM C1104	≤ 5%
Odor Emission:	ASTM C1304	Pass
Corrosion Resistance:	ASTM C665	Pass
Fungi Resistance:	ASTM C1338	Pass
Critical Radiant Flux (W/cm²):	ASTM E790	≥ 0.12

INSTALLATION

For most areas, vapor retarders should be installed on the warm-in-winter side of the insulation (toward the interior). A vapour barrier like CertainTeed's MemBrain™ Smart Vapour & Air Barrier Film must be installed as per the 2005 and 2010 National Building Code, Section 9.25.

INSTALLATION IN WOOD FRAMING:

STUDS – The standard practice for installing glass fibre batts in wood studs is to friction fit batts into stud cavities. When batts completely fill stud cavities, they are constrained by studs at their edges and by wall facings front and rear.

CEILING JOISTS – When glass fibre batts are installed in ceiling or floor joists, they must be supported by a ceiling finish material or another material such as wire.

CATHEDRAL CEILINGS – Faced insulation with vapor retarder facing down is stapled between the rafters. A 1" air space is recommended between insulation and roof sheathing.

INSTALLATION IN STEEL FRAMING:

Standard practice for installing glass fibre batts in steel studs is to friction fit batts into stud cavities. When batts completely fill stud cavities they are constrained by studs at their edges and by wall facings front and rear.

When glass fibre batts are installed in steel ceiling or floor joists or rafters from below, they must be supported with wire or a ceiling finish material.

Ventilation and vapor retarder requirements are the same as with wood framing.

STANDARD SIZES

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

R-VALUE		THICKNESS		WIDTH		LENGTH	
R (HR·FT ² ·°F/BTU)	RSI (M ² ·°C/WATTS)	IN	MM	IN	MM	IN	MM
8	1.4	2.75	70	16, 24	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	381	47	1194
20	3.5	6	152	15, 16, 23, 24	381, 406, 584, 610	47, 48	1194, 1219
22	3.8	5.5	140	14.75, 22.75	375, 578	47	1194
24	4.2	5.5	140	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	6.1	10.75	273	24	610	48	1219
40	7	12	305	16, 24	406, 610	48	1219

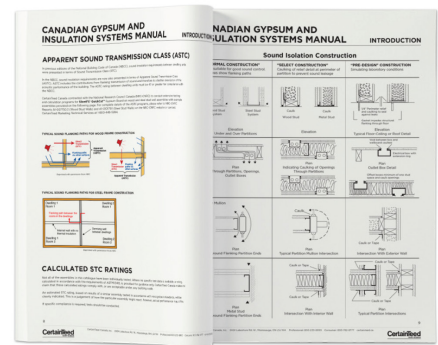
SYSTEMS

ULC & UL: Fire resistance verified, BZJZ (R6794) and BKNV7 (R5832)

Refer to our Gypsum and Insulation system manual on our website for STC and Fire ratings:
<https://www.certainteed.com/pro-center/gypsum-architect-binder/>

MANUFACTURING FACILITIES

Eastern Canada: Ottawa - 3985 Belgreen Drive, Ottawa, ON K1G 3N2
 Western Canada: Redcliff plant - 101 1ST Street Northeast, Redcliff, AB T0J 2P0



WARRANTY

Refer to CertainTeed's Lifetime Limited Warranty for Fiberglass Building Insulation (30-21-1321).

MAINTENANCE

No maintenance required.

AVAILABILITY AND COST

For availability and cost, contact your local contractor or distributor, or call Customer Experience team at 800-233-8990.

TECHNICAL SERVICES

Technical assistance can be obtained from your local CertainTeed sales representative and our Customer Experience team, 800-233-8990, or GetHelp@saint-gobain.com.



CertainTeed Canada

CEILINGS • DECKING • FENCE • GYPSUM • INSULATION • RAILING • ROOFING • SIDING • TRIM
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