

Fibre Glass Building Insulation

1. PRODUCT NAME

CertainTeed Fibre Glass Building Insulation

2. MANUFACTURER

CertainTeed Corporation
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3. PRODUCT DESCRIPTION

Basic Use: Fibre glass building insulation is intended for use in either residential or commercial construction as thermal and acoustical insulation in ceilings, walls and floors.

The product is unfaced and designed for use in standard wood stud and steel frame assemblies.

Benefits: Installing fibre glass building insulation is an easy, cost effective method to help conserve energy in residential and commercial new construction, remodeling, and

reinsulation projects. In addition to its thermal properties, fibre glass building insulation also provides excellent acoustical performance. It is compression packaged for ease of handling, and its broad availability of R-values and sizes ensures the right product for the job.

Composition and Materials: The product is composed of yellow, uniformly textured, inorganic glass fibres.

Sizes: Available standard sizes are listed in the table below. Contact CertainTeed for non-standard sizes.

Limitations: Insulation shall not be installed over or within 75 mm (3 in.) of recessed light fixtures, unless the fixture is identified for contact with insulation, Type IC.

Because of potential skin irritation, unfaced building insulation should not be used in an exposed installation.

All building insulation should be kept dry. Wet fibre glass insulation will lose its effectiveness until it dries. Fibre glass will often dry naturally and regain its original R-value.



UNFACED

However, under conditions where the insulation will not dry thoroughly it should be removed and allowed to dry or be replaced.

4. TECHNICAL DATA

Applicable Standards:

- National Building Code 1995 Article 9.25.2.2
CAN/ULC-S702-1997
CCMC Evaluation Listing No. 13020-L
CSA A101-M1993
CAN/CGSB-51.11-92

Fire Resistance:

- CAN/ULC-S102-1998
Flame Spread: 5
Smoke Developed: 0
CAN4-S114-1980
Noncombustibility–Pass
ULC-S129-1995
Smolder Resistance–Pass

Quality Assurance: Many of CertainTeed's manufacturing plants are registered to ISO 9001-2000 standards.

Available Sizes							
R-Value		Thickness		width		Length	
R	RSI	in.	mm	in.	mm	in.	mm
12	2.1	3 1/2	89	15, 23 16, 24	381, 584 406, 610	47 48	1194 1219
13	2.3	3 1/2	89	15, 23	381, 584	47	1194
14	2.4	3 1/2	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 1/2	140	15, 14.75	315	47	1194
24	4.2	6	152	15, 23	381, 584	47	1194
28	4.9	8 1/2	216	16, 24	406, 610	48	1219
31	5.4	9 1/2	241	16, 24	406, 610	48	1219
35	6.1	10 1/2	267	16, 24	406, 610	48	1219
40	7.0	11 1/4	286	16, 24	406, 610	48	1219

5. INSTALLATION

The standard practice for installing fibre glass 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.

- When fibre glass batts are installed in ceiling or floor joists, they must be supported by a ceiling finish material or another material such as wire.
- Where vapour control is required, the vapour retarder shall be installed per the 1995 National Building Code, Section 9.25.

6. AVAILABILITY AND COST

For availability and cost, contact your local distributor, or call CertainTeed Sales Support Group at 800-233-8990.

7. WARRANTY

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

8. MAINTENANCE

No maintenance required.

9. TECHNICAL SERVICES

Technical assistance can be obtained by calling CertainTeed at 800-233-8990.



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