

Basement Wall and Masonry Wall Fiber Glass Building Insulation

1. PRODUCT NAME

CertainTeed Basement Wall and
Masonry Wall Fiber Glass Building
Insulation

2. MANUFACTURER

CertainTeed Corporation
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3. PRODUCT DESCRIPTION

Basic Use:

Basement Wall Insulation is designed for use in crawlspaces and semi-finished or unfinished residential and commercial basement areas. The product is available either with a white reinforced polypropylene facing or a reinforced foil facing, both of which can be left exposed and are perforated.

Masonry Wall Insulation is designed as unfaced fiber glass insulation for use behind paneling or in masonry-type construction where cavity depth is limited. No stapling is required because the batts fit tightly between furring strips.

Benefits: Installing Fiber Glass Building Insulation is an easy, cost effective method to help conserve energy in the residential and commercial new construction, remodeling, and re-insulation markets. In addition to its thermal properties, Fiber Glass Building Insulation also provides excellent acoustical performance. It is compression packaged for ease of handling, and its broad availability of R-values, sizes and facings ensures the right product for the job.

Composition and Materials: The product is composed of yellow, uniformly textured, inorganic fibrous glass. Basement Wall Insulation is made with a white reinforced polypropylene or a reinforced foil facing with flanges for staple attachment.

Limitations: These products are designed for use at ambient temperatures in interior (weather protected) locations.

All building insulation should be kept dry. Wet fiber glass insulation will lose its effectiveness until it dries. Fiber glass will often dry naturally and regain its original R-value. However, under conditions when the insulation will not dry thoroughly it should be removed and allowed to dry or be replaced. Because of potential skin irritation, unfaced building insulation should not be installed in an exposed installation where it will be subject to human contact.

Sizes: See the appropriate table below. Contact CertainTeed for non-standard sizes.



BASEMENT WALL INSULATION



MASONRY WALL INSULATION

BASEMENT WALL INSULATION								
R-Value		Thickness		Width		Length		Perforated
R	RSI	in.	mm	in.	mm	ft.	m	
11	1.9	3 1/8	79	48	1219	50	15.24	Yes

MASONRY WALL INSULATION							
R-Value		Thickness		Width		Length	
R	RSI	in.	mm	in.	mm	in.	mm
3	0.5	3/4	19	15	381	48	1219
6	1.1	1 3/4	44	15	381	94	2388
6	1.1	1 3/4	44	23	584	94	2388

4. TECHNICAL DATA

Applicable Standards:

- Model Building Codes:
 - ICC
 - New York City – MEA 19-80-M
 - New York – NYS UFPBC Article 15
 - California and Minnesota Quality Standards

- Material Standards:

Basement Wall Insulation:

- (ASTM C 665) Type II, Class A, Category 1 and 2.

Masonry Wall Insulation:

- (ASTM C 665), Type 1

Fire Resistance:

- Fire Hazard Classification:

Basement Wall Insulation: (ASTM E 84)

- Flame Spread Index; 25 or less.
- Smoke Developed Index; 50 or less

Masonry Wall Insulation: (ASTM E 84)

- Flame Spread Index: 25 or less
- Smoke Developed Index: 50 or less

- Noncombustibility:

- (ASTM E 136)

Unfaced insulation passes the test

Physical/Chemical Properties:

- Thermal Performance:

- (ASTM C 518)

R-values for insulation only, as stated in the table on front page.

- Water Vapor Sorption

- (ASTM C 1104)
≤ 5%

Basement Wall Insulation:

- Water Vapor Permeance

Permeance of Facing:

- (ASTM E 96, Desiccant Method)
20-30 Perms

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



5. INSTALLATION

Hollow core concrete masonry units should be insulated full-wall height, to reduce the thermal effects of block cavity convective air movement. Solid masonry walls may be insulated half- or full-wall height. Below grade masonry walls should be insulated with an unfaced or a semi-permeable faced product to provide a better drying potential if the wall becomes wet. Check your local building code requirements.

Basement Wall Insulation: is installed horizontally either half-wall or full-wall, starting at the sill plate. Nail a 2" x 2" furring strip to the edge of the sill plate at the top of all walls to be insulated. Fasten a second row of 2" x 2" furring with power-actuated fasteners 48" below the sill plate furring, depending on the width of the insulation used. The 48" measurement must be the clear opening between both rows of furring. Roll out the insulation and staple to the upper and lower furring strips with the facing exposed.

For full wall application, fasten a third row of 2" x 2" furring, 1/2" to 1" from the floor, and staple a second roll of insulation to the center and lower furring strips. The second roll may have to be cut to fit. If so, cut the insulation and facing to a width equal to the clear opening dimension between the furring strips plus 1 1/2", then cut back the insulation 1 1/2" in order to form a stapling flange at the bottom. Other methods of installation may also be used. Please contact CertainTeed prior to using an alternate method of installation.

Masonry Wall Insulation: is installed between furring strips without stapling. Use with a separate vapor retarder if required. Check local practice and/or building code requirements.

6. AVAILABILITY AND COST

Manufactured and sold throughout North America. For availability and cost contact your local distributor, or call CertainTeed Sales Support Group in Valley Forge, PA at 800-233-8990.

7. WARRANTY

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

8. MAINTENANCE

No maintenance required.

9. TECHNICAL SERVICES

Technical assistance can be obtained either from the local CertainTeed sales representative, or by calling CertainTeed Sales Support Group in Valley Forge, PA at 800-233-8990.



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