

BASEMENT WALL INSULATION

DESCRIPTION

Guardian Building Products Distribution manufactures a 3 1/2" thick basement wall insulation. This fiberglass is laminated to a reinforced white facing which is available perforated or non-perforated. This product is most often left exposed but it can be covered if desired.

APPLICATION

Guardian's basement wall insulation allows you to insulate without the cost of full framing or finishing the interior basement walls. It can be used in new construction or for retrofit of existing homes. You can apply the product horizontally or vertically which gives you the flexibility to insulate the full-wall or only a half-wall if desired.

At your option, you can choose either a perforated or an non-perforated facing material. Choose the perforated option whenever you feel moisture will migrate toward the home's interior. The non-perforated facing would be best when you feel that warm (potentially moist) interior air will predominantly migrate outward toward cold surfaces.

BENEFITS

- Guardian basement wall Insulation can increase your total home comfort year-round by reducing energy loss.
- Reduce noise levels where installed.
- The facing material reflects light which can brighten your room.
- This product meets the IECC Code for a continuous R value with a Class A Fire rating with no further modification. Please check with local code official for approval.



AVAILABLE PRODUCTS

WHITE FACED - Perforated or Non-Perforated

R-Value	Thick	Width/ Length	# PCS/ Pkg	SF/Pkg	Facing Tabs
R-11	3-1/2"	48" x 9'	4	144	1-6" w/Tape
		48" x 50'	1	200	2-3" No Tape

Also available in custom widths and lengths upon special request. Keep dry during storage and installation.

INSTALLATION

Always repair any walls which leak water before installing basement wall insulation.

HORIZONTAL

For a horizontal application, we recommend our 50' long roll with 2-3" stapling flanges (or tabs).

Attach a 2" x 4" furring strip to the sill plate and another one 48" below the bottom of the sill plate. Place the insulation (white facing material should be toward the interior) between the furring strips. Staple the 3" facing tabs to the furring strips every 4" to 6". This would insulate the top half of the wall. Add another furring strip at the base of the wall and repeat for a full wall application.

VERTICAL (Option #1)

For a vertical application, we recommend our 9' pre-cut rolls (packaged 4 to a bundle). This product has 1-6" tab with double stick tape pre-applied.

Place a small amount of insulation between a treated 1x4 or 2x4 and the basement wall (see Figure #1). Compress the insulation with the 1x4 and attach with a power actuated gun or equivalent. Pull the material from the floor to the top of the basement wall and attach to the sill plate (see Figure #2). An additional furring strip may be needed at the top of the wall depending on specific construction details. Trim any excess insulation for a neat appearance. Pull the release paper from the factory applied double stick tape. Overlap this 6" facing tab and adhere to the adjacent blanket.

VERTICAL (Option #2)

We recommend our 9' pre-cut rolls (packaged 4 to a bundle) for this application. This product has 1-6" tab with double stick tape pre-applied.

Attach a 2" x 4" furring strip to the sill plate and another one at the floor. Hold the insulation against the upper furring strip and staple the facing to the furring every 4" to 6". Pull the insulation downward gently and staple it to the lower furring strip every 4" to 6". Trim excess insulation for a neat appearance. Pull the release paper from the pre applied double stick tape. Overlap this 6" facing tab and adhere to the adjacent blanket.

*The above flame spread rating was determined in accordance with ASTM E-84. This standard is used solely to measure and describe properties of materials and products in response to heat and flame under controlled laboratory conditions. This numerical flame spread is not intended to reflect hazards presented by this or any other material under actual fire conditions. Results are reported to the nearest five rating.

Savings vary. Find out why in the seller's fact sheet on R-values. Higher R-Values mean greater insulating power.

Compliance and Specification Data

(For Fiberglass Insulation Only)

ASTM E 84	FHC - 25/50*
ASTM E 136	Fiberglass is Non Combustible
ASTM C 665	Type II (White) - Class A
ASTM C 518	R-Value of Insulation Only
ASTM E 96	Perm Rating = .02 non perforated and 30.0 for the perforated version.

Reinforced Facing Information

Polypropylene Scrim Kraft Facing (White) - Class A products can be left exposed.



Figure #1



Figure #2