

# The benefits of an insulated basement:

## Energy savings:

By insulating your basement, you can save up to 20% on your energy costs.

## More comfortable main floor living space:

Your entire home will benefit from the comforts provided by an insulated basement.

## More livable lower-level space:

An insulated basement presents opportunities to use your lower level for a laundry room, home office, exercise room and more.

An insulated basement can provide greater comfort on your main and upper living levels.



## Getting comfortable with CertainTeed

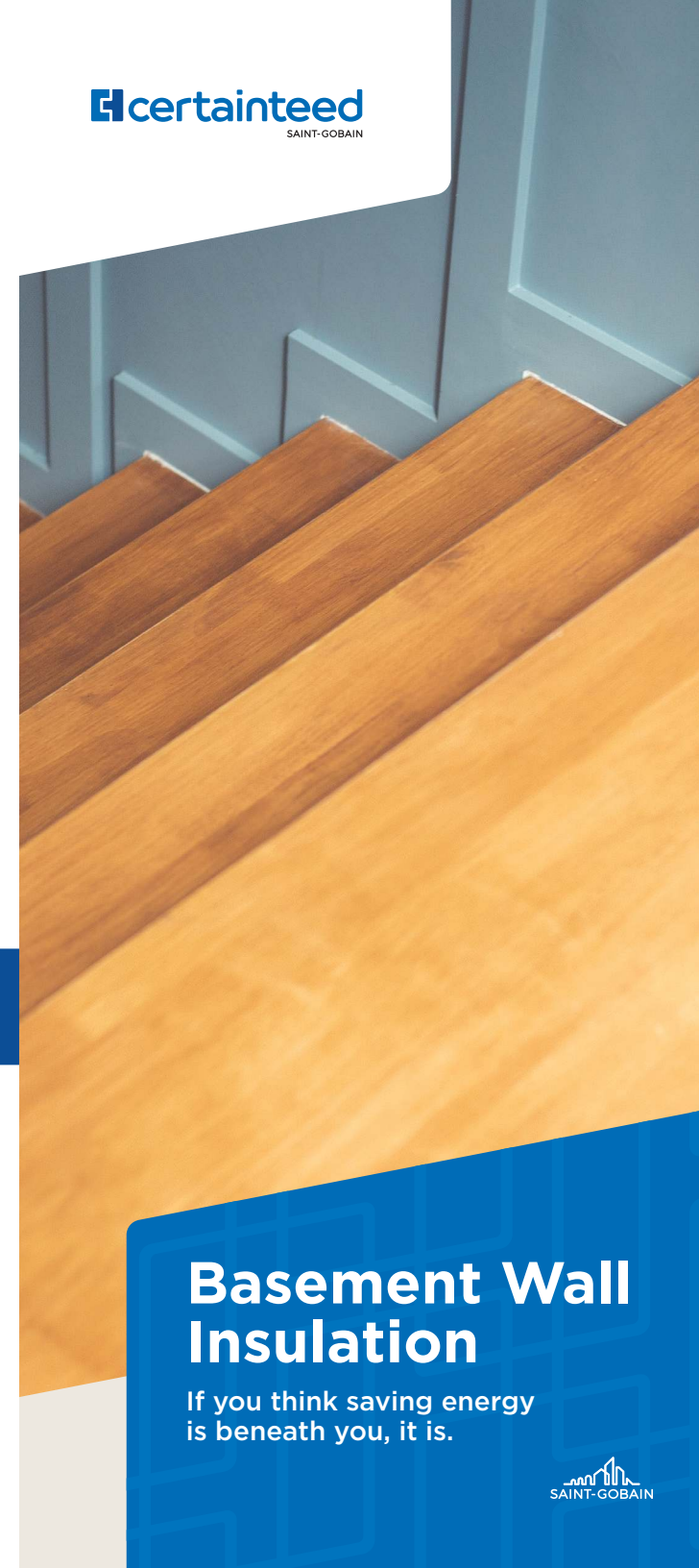
For over 100 years, CertainTeed has been the recognized performance brand among building professionals, as well as a leading researcher and producer of fiber glass insulation. With a wide selection of insulation products to fit your home from the basement up to the attic, you can find comfort in knowing all your insulation needs will be met.

learn more at  
[certainteed.com/insulation](https://certainteed.com/insulation)



### CertainTeed

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# Basement Wall Insulation

If you think saving energy is beneath you, it is.



## Insulating your basement can save up to 20% in energy costs.

An un-insulated, unfinished basement is a missed opportunity to use more of your home. And energy loss from an un-insulated basement can be substantial. But with a properly insulated basement, as well as your entire home, your family can benefit greatly from the proper installation of CertainTeed fiber glass basement insulation by having a more comfortable environment in which to live.

When you insulate your home's below-grade space, you add more useful, comfortable space and value to your home. In fact, insulated basements are second only to efficiently insulated attics for return on investment. Ultimately, an insulated basement is a more comfortable recreation room, workshop or play area waiting to happen.



## Determining your insulation needs.

To select the correct insulation type and installation method for your basement, first determine the type of basement wall(s) you have. There are two types: hollow-core concrete block walls and solid-poured masonry walls. Both situations require different kinds of insulation and installation methods.

Hollow-core concrete block walls should be insulated at full-wall height. Solid-poured masonry walls can be insulated at half-wall or full-wall height. Then, choose your R-Value. (R-Value is the insulation's ability to resist heat loss. The higher, the better.) R-11 or R-19 are usually recommended.

## How is it installed?

### For half-wall applications:

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 strips with power-activated fasteners 48" or 72" below the sill plate furring, depending on which insulation is used. The 48" or 72" measurement must be the clear opening between the two rows of furring strips. Roll out the insulation horizontally and fasten the stapling flanges to the upper furring strips with the facing exposed toward the inside of the basement. Then staple to the second, or lower, furring strips.

## Hollow-core concrete block walls/solid-poured masonry walls

R-VALUE	WIDTH	LENGTH	THICKNESS	REINFORCED FACING (PERMEABLE)	RECOMMENDED INSULATION HEIGHT
R-11	4 ft. & 6 ft.	50 ft.	3 1/8 in.	White Polypropylene or Foil Scrim Kraft	Half-Wall* or Full-Wall
R-19	4 ft., 5 ft. & 6 ft.	50 ft.	6 1/4 in.	White Polypropylene or Foil Scrim Kraft	Half-Wall* or Full-Wall

\*Half-wall insulation height is recommended for solid-poured masonry walls. Check your local building code.



### For full-wall applications:

Fasten a third row of 2" x 2" furring strips 1/2" to 1" from the floor. Staple the second roll of insulation to the center and lower furring strips. The second roll of insulation 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 two rows of furring strips plus 1 1/2." Cut back the insulation 1 1/2" to form a stapling flange at the bottom and fasten.

**NOTE:** When insulating below grade, install insulation with a perforated facing for better moisture management.