

CWI *Plus* CAVITY WALL INSULATION

Designed For Re-insulation Projects



Guardian CWI® PLUS Product Benefits

- + *Class A Fire Rating*
- + *No Formaldehyde Added*
- + *Excellent Coverage Per Bag*
- + *Short Fiber Installs Faster*
- + *Virtually Eliminates Gaps And Voids*
- + *Non-corrosive*
- + *Pest Resistant*

COVERAGE INFORMATION*

R-VALUE	THICKNESS (INCHES)	FRAMING	DENSITY LBS. PER FT ³	BAGS PER 1000 FT ²	MINIMUM WT. PER FT ²	MAX. COV. SQ. FT. PER BAG
R-15	3.50	2 x 4	2.2	20	0.64	50
R-23	5.50	2 x 6	2.2	32	1.01	32

*Empty Wall Cavity

Guardian CWI PLUS System Benefits

- + *Virtually eliminates gaps and voids*
- + *Typically 2-3 time more fiberglass in walls compared to standard building insulation*
- + *Improved thermal performance*
- + *Excellent sound control properties*
- + *Reduced air infiltration*

TECHNICAL INFORMATION

This product complies with ASTM C 764 Type 1 requirements which includes the following test methods:

ASTM C 518	Thermal Resistance (R-value)
ASTM E 136	Combustion Characteristics
ASTM E 84	Surface Burning, Flame Spread 0, Smoke Developed <5
ASTM C 1104	Water Vapor Sorption
ASTM C 1304	Odor Emission
SECT. 12.7	Corrosiveness
ASTM C 1338	Fungi Resistance

Pneumatic application: This product is designed to be installed by professional insulation contractors using appropriate electric powered machines. The machine settings supplied by the manufacturer for this equipment should be used carefully in order to get optimum results. The equipment must be designed for fiberglass and has to have an effective shredding section, a controlled feed section and sufficient air volume to achieve the desired result. Never use any blowing machine powered by gasoline, diesel or PTO.

Closed cavity applications can be difficult to judge material usage during installation since fiberglass is compression filled in the cavity. Make sure you are monitoring material usage as the job progresses, so that the proper number of bags are being installed. For pneumatic application only. Not for exposed applications. Due to closed cavities, existing obstructions may prevent a complete fill of the cavity. See Guardian's Technical Installation Guide at www.guardianbp.com for more details.

R-VALUE INFORMATION

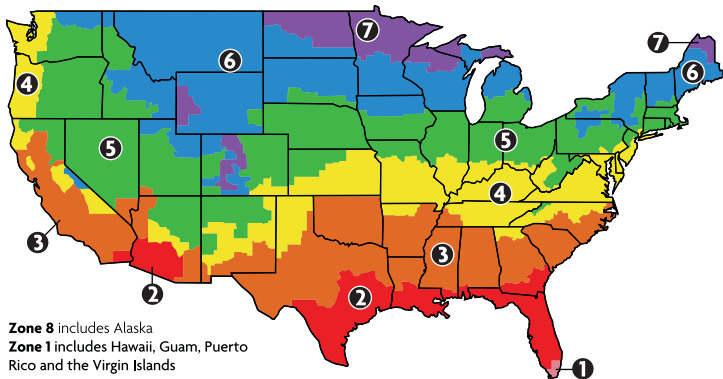
Insulation is specified by its thermal resistance or R-value. "R" means resistance to heat flow. The higher the R-value, the greater the insulating power.

The amount of insulation you need depends mainly on climate, type of heating (gas, oil, electricity) you use, and the area of the house you plan to insulate.

The U.S. Dept. of Energy has established minimum recommended insulation R-values for 8 distinct parts of the country, or insulation zones.

FIND THE R-VALUES FOR YOUR ZONE.

If you live on the border between two zones, choose the higher rather than the lower values.



R-VALUES FOR NEW WOOD-FRAMED HOUSES

Insulation Zone	Heating System	Attic	Cathedral Ceiling	Wall		Floor
				Cavity	Insulation Sheathing	
1	All	R-30 to R-49	R-22 to R-28	R-13 to R-15	None	R-13
2	Gas, Oil, Heat Pump, Electric Furnace	R-30 to R-60	R-22 to R-38	R-13 to R-15	None	R-13 R-19 to R-25
3	Gas, Oil, Heat Pump, Electric Furnace	R-30 to R-60	R-22 to R-38	R-13 to R-15	None R-2.5 to R-5	R-25
4	Gas, Oil, Heat Pump, Electric Furnace	R-38 to R-60	R-30 to R-38	R-13 to R-15	R-2.5 to R-6 R-5 to R-6	R-25 to R-30
5	Gas, Oil, Heat Pump, Electric Furnace	R-38 to R-60	R-30 to R-38 R-30 to R-60	R-13 to R-15 R-13 to R-21	R-2.5 to R-6 R-5 to R-6	R-25 to R-30
6	All	R-49 to R-60	R-30 to R-60	R-13 to R-21	R-5 to R-6	R-25 to R-30
7 & 8	All	R-49 to R-60	R-30 to R-60	R-13 to R-21	R-5 to R-6	R-25 to R-30

R-VALUES FOR EXISTING WOOD-FRAMED HOUSES

Insulation Zone	Add Insulation To Attic		Floor
	Uninsulated Attic	Existing 3-4 Inches Of Insulation	
1	R-30 to R-49	R-25 to R-30	R-13
2	R-30 to R-60	R-25 to R-38	R-13 to R-19
3	R-30 to R-60	R-25 to R-38	R-19 to R-25
4	R-38 to R-60	R-38	R-25 to R-30
5	R-49 to R-60	R-38 to R-49	R-25 to R-30
6	R-49 to R-60	R-38 to R-49	R-25 to R-30
7 & 8	R-49 to R-60	R-38 to R-49	R-25 to R-30

WALL INSULATION: WHENEVER EXTERIOR SIDING IS REMOVED ON AN -

Uninsulated wood-frame wall:

- Drill holes in the sheathing and blow insulation into the empty wall cavity before installing the new siding
- Zones 3-4: Add R-5 insulative wall sheathing beneath the new siding
- Zones 5-8: Add R-5 to R-6 insulative wall sheathing beneath the new siding.

Insulated wood-frame wall:

- Zones 4 to 8: Add R-5 insulative sheathing before installing the new siding.



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Sweets.com



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