



THE THERMALLY EFFICIENT, COST EFFECTIVE WAY

TO COMBAT RISING ENERGY COSTS

ATTICGUARD[®]
PLUS
PREMIUM LOOSE-FILL FIBERGLASS INSULATION

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Attic Guard PLUS[®] is the perfect way to Insulate any attic space; whether it's new construction or retrofit.

By adding the recommended amount of Attic Guard PLUS[®] insulation to your attic, you will:

Save on energy bills*

Benefit from increasing year round comfort in your home

Contribute to a safe, healthy environment by properly insulating

Help reduce greenhouse gas emissions by reducing gas or electric heating and air conditioning use.

ATTIC GUARD PLUS ATTRIBUTES:

Class A Fire Rating

No Formaldehyde Added

Pure Glass Fibers

Non-corrosive

Pest Resistant

No Bonding Agents



ATTIC GUARD PLUS COVERAGE INFORMATION (OPEN ATTIC)

R-VALUE	BAGS PER 1000 FT ²	MAX. COV. PER BAG	MIN. DENSITY LBS. PER FT ³	THICKNESS INITIAL INSTALLED	THICKNESS MINIMUM SETTLED
R-60	34.9	29 SF	1.141	20.75"	20.75"
R-49	26.9	37 SF	0.887	17.25"	17.25"
R-44	23.8	42 SF	0.787	15.50"	15.50"
R-38	20.2	49 SF	0.668	13.50"	13.50"
R-30	15.5	65 SF	0.510	10.875"	10.875"
R-26	13.3	75 SF	0.438	9.625"	9.625"
R-22	10.9	92 SF	0.360	8.375"	8.375"
R-19	9.2	109 SF	0.303	7.375"	7.375"
R-13	6.3	159 SF	0.207	5.00"	5.00"
R-11	5.3	190 SF	0.173	4.25"	4.25"

For pneumatic application only.

This product is designed to be installed using appropriate 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.

To achieve stated R-values, the insulation must be installed at these minimal thicknesses and maximum coverages. Failure to install both the required bags and at least the minimum thickness will lower R-value. Net coverage includes framing. Not for exposed applications. Insulation should not be installed over eave vents or near light fixtures or other heat generating devices.

MINNESOTA LOOSE-FILL INSULATION REQUIREMENTS

WINTER DESIGN REQUIREMENTS

WINTER DESIGN TEMP. (DEGREES F)	R-38		R-44		R-50	
	EXTRA DEPTH (inches)	EXTRA BAGS PER 1000 FT ²	EXTRA DEPTH (inches)	EXTRA BAGS PER 1000 FT ²	EXTRA DEPTH (inches)	EXTRA BAGS PER 1000 FT ²
-17°	0"	0	0"	0	.5"	1.2
-22°	.5"	1	1"	2	1.5"	3.2

It is recommended that Attic Guard® PLUS be installed to the specific weights and coverages listed in the Attic Guard PLUS coverage chart and the Winter Design Insulation Requirements below with Pneumatic Equipment to comply with Minnesota Rules Chapter 7670.0260 Section 102.3.

WINTER DESIGN TEMPERATURES

99% Winter Design Temperatures from ASHRAE Handbook of Fundamentals.

Alberta Lea	-17°	Mankato.....	-17°
Alexandria.....	-22°	Minneapolis/	-16°
Bemidji	-31°	St. Paul	
Brainerd.....	-20°	Rochester.....	-17°
Duluth.....	-21°	St. Cloud.....	-15°
Faribault.....	-17°	Virginia.....	-25°
Fergus Falls.....	-21°	Wilmar.....	-15°
International Falls.....	-29°	Winona.....	-14°

BENEFITS OF USING ATTIC GUARD PLUS INSULATION WITH THE PERFECT FILL SYSTEM



Wall, ceiling and floor applications

Virtually eliminates all gaps and voids

Excellent sound control properties

Improved thermal performance (R-values) and typically 2-3 times more fiberglass in the walls, ceilings or floors compared to standard building insulation

ATTIC GUARD PLUS CLOSED CAVITY (PERFECT FILL®)

R-VALUE	THICKNESS	FRAMING	MINIMUM DENSITY PER FT ³	BAGS PER 1000 FT ²	MIN. WT. LBS. PER FT ²	MAX. COV. FT ² PER BAG
R-15	3.50	2x4	2.0	17.7	0.58	56.6
R-24	5.50	2x6	2.0	27.8	0.92	36.0
R-31	7.25	2x8	2.0	36.6	1.21	27.3
R-40	9.25	2x10	2.0	46.7	1.54	21.4
R-51	11.875	Eng. I-Joist	2.0	60.0	1.98	16.7
R-60	14.00	Eng. I-Joist	2.0	70.7	2.33	14.1
R-69	16.00	Eng. I-Joist	2.0	80.8	2.67	12.4

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. This product meets or exceeds the requirements of ASTM C 764 Type 1.

Attic Guard PLUS - Nominal bag weight - 33 lbs.

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

R-VALUE INFORMATION

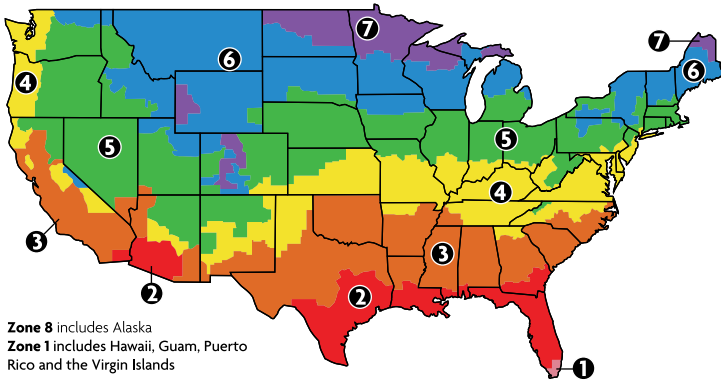
Insulation is specified by its thermal resistance or R-value. "R" means resistance to heat flow. The higher the R-value, the greater the insulating power.

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 7 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.



Not all Guardian products are Greenguard certified. See applicable product specifications for details.

see us at
Sweets.com



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