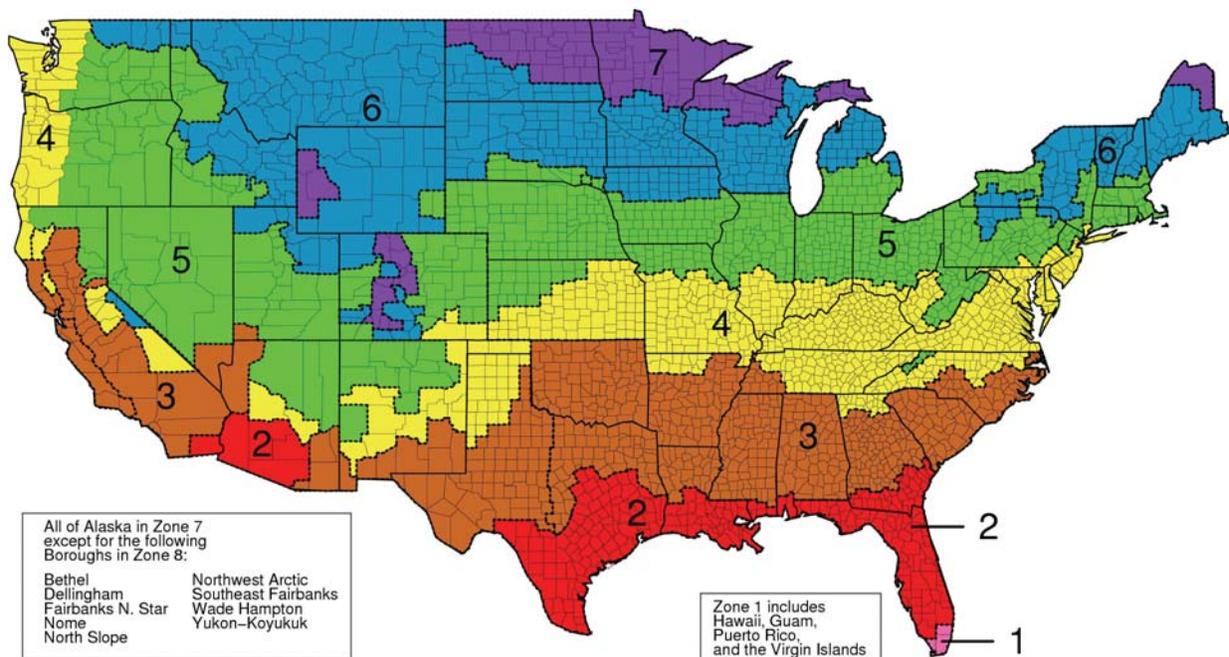




How much insulation do I need?

The amount of insulation you need depends on the R-value desired, your climate, type of heating and cooling system, and the section of the house you plan to insulate. For the recommended levels of insulation, the Department of Energy publishes the following chart with the R-values they recommend.

To determine the amount of existing insulation you have, refer to the following chart from the Department of Energy found on their web site, <http://www.energystar.gov>



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, and
- Zones 3-4: Add R5 insulative wall sheathing beneath the new siding
- Zones 5-8: Add R5 to R6 insulative wall sheathing beneath the new siding

INSULATED wood-frame wall:

- For Zones 4 to 8: Add R5 insulative sheathing before installing the new siding

ZONE	ADD INSULATION TO ATTIC		FLOOR
	Uninsulated Attic	Existing 3-4 Inches of Insulation	
1	R30 to R49	R25 to R30	R13
2	R30 to R60	R25 to R38	R13 to R19
3	R30 to R60	R25 to R38	R19 to R25
4	R38 to R60	R38	R25 to R30
5 to 8	R49 to R60	R38 to R49	R25 to R30



HOMEOWNER FAQ



What is the cost for use of the blowing machine?

GreenFiber recommends the free use of the insulation blowing machine with a minimum bag purchase, subject to store policy.

What is GreenFiber Insulation made from?

GreenFiber Insulation is a natural fiber cellulose insulation that consists of 85% recycled paper, mostly recovered, from post-consumer paper fiber that contains additives for fire resistance.

What you see:		What it probably is	Depth (inches)	Total R-value
Loose fibers	light-weight yellow, pink or white	fiberglass	_____	= 2.5 x depth
	dense gray or near-white, may have black specks	rock wool	_____	= 2.8 x depth
	small gray flat pieces or fibers (from newsprint)	cellulose	_____	= 3.7 x depth
Granules	light-weight	vermiculite or perlite	_____	= 2.7 x depth
Batts	light-weight yellow, pink or white	fiberglass	_____	= 3.2 x depth

What about cellulose insulation fire safety?

GreenFiber Insulation is manufactured to meet strict Consumer Product Safety Commission (CPSC) fire safety regulations. All products meet American Society for Testing and Materials (ASTM) C 739 and E 84 tests. GreenFiber Insulation has a Class 1/A fire rating from E 84 testing, and is permitted as a fire block ([click here to view report ESR-1996](#)). The 1998 large-scale outdoor fire demonstration, conducted by the Maryland Fire & Rescue Institute, found a structure insulated with cellulose insulation increased a simulated residential building's structural fire resistance by as much as 57% over a structure with no insulation or one insulated with fiberglass batts ([click here to view the BIG BURN](#)). GreenFiber also has a growing list of fire resistance rated buildings assemblies, of both wall and floor-ceiling type, that are listed in the Certification Directory of Underwriters Laboratories. All GreenFiber products are classified by UL and carry the UL mark on every bag.



Will cellulose insulation lose its fire resistance over the years?

No. Accelerated aging tests (CAN/CGSB-51.60 M-90) performed on cellulose insulation have shown that there is no noticeable degradation over time. GreenFiber offers a limited lifetime warranty, which includes the permanency of the fire retardant treatment for the life of the structure.

What are the sound control capabilities of GreenFiber Insulation?

GreenFiber Insulation is effective in helping create a quieter home environment. This is especially true for airborne sound that is generated by traffic noise, airplanes, radios, televisions, and conversation. The sound control quality of GreenFiber Insulation is due to its density and its ability to fill any cavity into which it is properly installed. GreenFiber Insulation fills voids and gaps that allow for sound transmission. Where air goes, sound follows.

What is GreenFiber Insulation?

GreenFiber Insulation is not manufactured with formaldehyde or asbestos. It also is not made with textile, fiberglass, mineral wool or other fibers. A minimum of 85% of the insulation's weight is made from recycled paper, as certified by Scientific Certification Systems (SCS)



Will it corrode metal?

GreenFiber Insulation meets or exceeds standard industry tests (ASTM C 739) for corrosion resistance, performed on steel, copper and aluminum.

What effect does moisture have on GreenFiber Insulation?

Normal moisture and humidity changes have no significant effect on performance. GreenFiber Insulation retains a natural moisture level between 5% and 10% by weight. Like other insulation materials, cellulose is not recommended for use wherever there is continuous exposure to high humidity, moisture intrusions, or a lack of building assembly drying conditions.

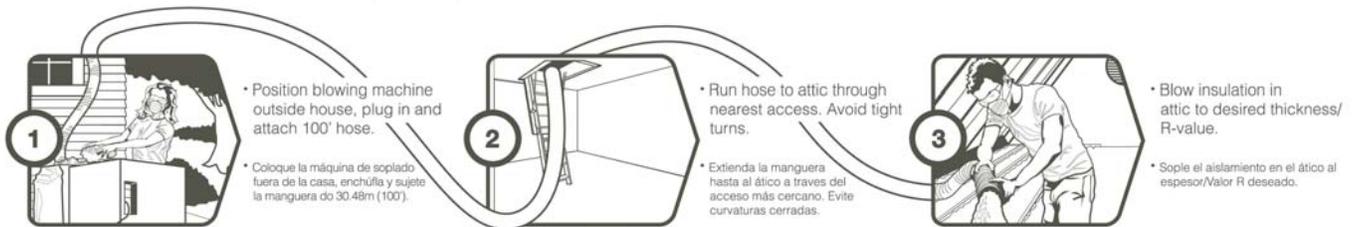


Can GreenFiber Insulation be installed over existing insulation?

Yes, GreenFiber Insulation is ideally suited to providing additional R-value over existing attic insulation, as it completely fills voids and gaps left open by other forms of insulation. GreenFiber Insulation can also be installed in existing uninsulated exterior walls through various methods.



Installation in 3 easy steps *Instalacion en 3 pasos faciles*



Is GreenFiber Insulation hard for a homeowner to install?

GreenFiber Insulation is easy for homeowners to install. There is no measuring, cutting or pushing of large, bulky rolls into tight nooks and crannies. The coverage chart on the bag allows you to calculate how many bags you need to achieve the desired R-value. Installation involves only two people, one to place the insulation into the blowing machine and another to blow the insulation to the desired thickness, easily measured by attic rulers ([click here to view DIY attic installation instructions](#)).

Will GreenFiber Insulation harm me if I touch it or breathe it?

No. GreenFiber Insulation is itch free to the touch. In compliance with Material Safety Data Sheet standards, GreenFiber Insulation produces dust classified as "nuisance." Therefore GreenFiber recommends the use of a dust mask and safety glasses during installation.

Will it settle in attics or sidewalls?

GreenFiber Insulation installed in attics will settle until it reaches a stable density, as will other types of blown insulation. Coverage charts have already taken this into account. In sidewalls, GreenFiber Insulation will not settle when properly installed.

Minimum Thickness (Inches) Espesor mínimo (en pulgadas)	
Initial Installed Thickness Espesor inicial instalado	Settled Thickness Espesor asentado
4.29	3.86
6.19	5.57
7.12	6.41



Claimed R-value based on the thermal properties at the settled thickness