



**High Performance
Insulation**



celbar[®]

LOOSEFILL INSULATION



**Improve Your New
Home's Energy-
Efficiency with Celbar[®]
Loosefill Insulation.**

**Celbar[®] Loosefill is also
ideal as a retrofit for
existing homes.**

**Celbar loosefill
contains a minimum of
80% recycled content.**

Maintain a comfortable home with **celbar** Loosefill

Why Insulate?

Home insulation is used to reduce heat loss and gain. Heat tries to equalize itself by traveling from warmer to lower temperatures. Top quality insulation, properly installed, keeps your home warmer in the winter by lowering "heat loss" and cooler in the summer by repelling outside heat.

Studies show what we all know to be true, heating and cooling costs are a major component of the home's monthly utilities. Clearly this makes your insulation selection one of the most important energy investments you can make.

celbar is The Natural Choice®

Unlike other types of insulation, **celbar** is made of natural cellulose fibers retrieved from recycled paper. These select natural fibers are combined in a unique process with the highest quality fire retardants.

celbar effectively reduces sound and heat transfer by creating dead air spaces between and within its fibers.

Thermal Performance

The purpose of insulation is to reduce the flow of temperature from one space to another. The higher the temperature resistance (R-value) of the material, the greater the insulating power. However, high R-values are not the only

Doesn't Itch
Fire Resistant

superior thermal performance†.

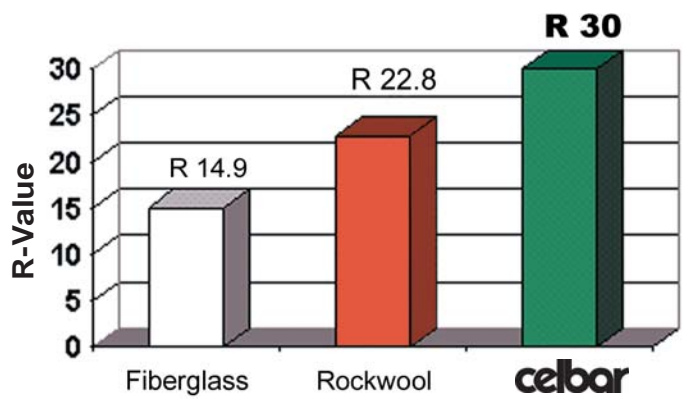


- Reduces Heating/Cooling Bills
- Resists Mold and Mildew
- Resists Insects
- Naturally Safe
- Doesn't Itch
- Reduces Noise
- Fire Resistant

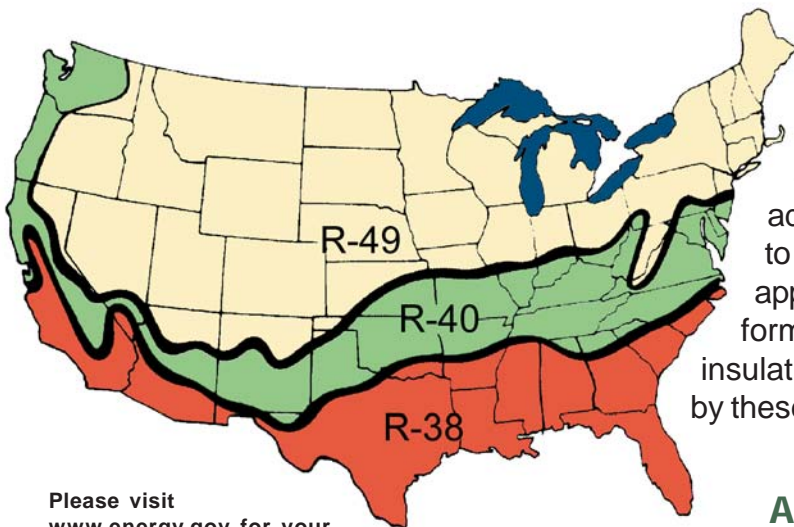
Compare Insulation

Not all insulations provide the same amount of insulating power. At an equivalent thick-ness... "low density fiberglass insulation always transmits heat faster than cellulose." **celbar** Loosefill is able to achieve an R-30 in only 8.3", ordinary fiberglass fails to achieve an R-15 at the same thickness. "The reason why low-density fiberglass has a lower R-value than cellulose is mostly because glass fibers do not block radiant heat as well as cellulose fibers¹."

Loosefill Insulation R-Value Comparison At 8 1/3"



Seal your home in any climate with Loosefill Insulation.



Please visit
www.energy.gov for your
exact R-value recommendation

Is Your Home's Attic Properly Insulated?

What about Settling

All blown insulations are subject to settling. Industry standards therefore require all such products to be installed based on their settled density.

Contractors must install insulation based on settled pounds per square foot which will result in a thicker initial application to compensate for future settling.

Labeling and Installation Plague Blown-In Fiberglass Jobs

"Misleading bag labels and a deceptive installation practice have undercut the performance of blown-in fiberglass insulation in thousands-perhaps even millions of US homes²."

celbar in Your Walls

Many older homes were either built with poor insulation or none at all. Subsequently, many of these older homes suffer from inefficiency, and the occupants suffer from very high utility bills. In addition to insulating the attic, the next logical step is to add **celbar** Loosefill into exterior wall cavities. The application will result in a long-term thermal barrier that forms with few gaps, voids or compression. Ordinary insulation's performance is compromised up to 30-50% by these problem areas.

Acoustic Performance

The peacefulness of a house has a substantial affect on the quality of life within it. **celbar** acts as a sound barrier to reduce sound transfer from outside the home. **celbar** also reduces noise from plumbing in the attic.

What about testing?

celbar has been tested extensively and carries the Underwriters Laboratories label on each package. **celbar** Loosefill fully complies with ASTM C-739 standards and all applicable federal regulations.

	ENERGY STAR HOME SEALING
<p>EPA recommends sealing the "envelope" that surrounds your living space:</p> <ul style="list-style-type: none">• the ceiling• outer walls• windows• floors <p>ENERGY STAR is a program of the U.S. Environmental Protection Agency and the U.S. Department of Energy.</p>	<p>To save on your heating and cooling bill and increase the comfort of your home:</p> <ul style="list-style-type: none">• Add insulation• Seal air leaks• Choose ENERGY STAR qualified windows when replacing windows <p>www.energystar.gov</p>

Visit the **celbar** web site
www.celbar.com

Payback Calculator

Determine how much money you will save each month by installing Celbar in your attic.

Calculate your savings!

Calculate how much **celbar** Loosefill will save you on heating and cooling cost. Visit our web site and click on the payback calculator. See how a simple investment in **celbar** can turn into big savings for you. To calculate all you need is some simple information about your air conditioner, square footage of your home and your existing R-value. See how **celbar** in your attic is like putting money in your pocket.



Estimate your R-value

Because we do not know the condition of your insulation it is hard to determine your actual R-value. We do know that old insulation, many times, will settle over time and will loose it's R-value. To estimate your attic's R-value, measure in inches how thick your insulation is in your attic and then use the following estimates. One to four inches = R-2, four to seven inches = R-4 and seven to ten inches = R-6. To get a better estimate on your R-value call your local **celbar** contractor.

What is R-value?

R-value means resistance to heat flow. The greater the insulating power, the higher the R-value of the insulation. Know and compare insulation's R-value before you have it installed in your home. Make sure you are getting the highest R-value per dollar. See the graph inside this brochure to compare insulation's R-value.

Professionally Installed by:

¹ Energy Design Update, May 1996

² Energy Design Update, May 1998

+ R means resistance to heat flow. The higher the R value, the greater the insulating power. Compare insulation R-values before you buy.



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