

# GREEN INSULATION

It's not just the  
*right* thing to do  
With Thermafiber,  
it's the *easy* thing to do

  
THE NAME IN MINERAL WOOL™



# Good news: Turns out the #1 brand of commercial mineral wool insulation offers you the greenest choice for the environment.



Chosen as a **Top-10 Green Building Product** of 2009<sup>1</sup>

**Thermafiber mineral wool is made with up to 90% recycled material.**

As you can see from the graph (far right), Thermafiber’s recycled content of up to 90% compares to about 40% for ordinary mineral wool, and 40% for glass fiber insulation.

**Higher recycled content is just part of our green story.**

We do not use any materials that are considered finite, rare or endangered. The recycled material in our mineral wool is a byproduct of the steel industry. It is something that historically ends up in landfills.

Other mineral wool manufacturers use substantially more raw materials that are mined from the earth—natural resources that are non-renewable.

**Even more ways Thermafiber makes your buildings green.**


**Reduction of greenhouse gas (GHG) emissions**—Thermafiber insulation reduces the amount of energy needed to heat and cool a building. Less energy means less GHG emissions.

**Better indoor air quality**—Thermafiber insulation has been tested by an independent laboratory for general chemical emissions. Results show that Thermafiber even exceeds California’s rigorous standard for formaldehyde concentration.

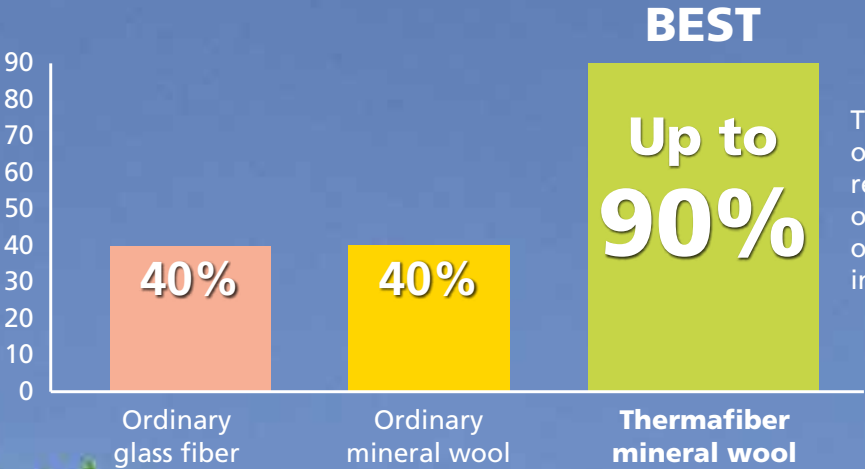
**LEED® credits**—Using FireSpan 90 and FireSpan 40 curtain wall products, for example, can contribute to 33 LEED credits for your building across 4 different categories.

**GREEN FACT**  
Thermafiber mineral wool qualifies for the EPA Preference Program, which recommends that the recycled content of mineral wool insulation be at least 75%.

**GREEN FACT**  
Building insulation was recently identified as the least expensive way to reduce CO<sub>2</sub> emissions.<sup>2</sup>

 Up to <b>90%</b> Recycled Content	LEED® Green Building Credits			
	Energy & Atmosphere	Materials & Resources	Indoor Environmental Quality	Innovation in Design
	1	2.1, 2.2 3.1, 3.2 4.1, 4.2 5.1, 5.2	3.1, 3.2 9	1
Contributes to 33 LEED credits across 4 categories.				

**Recycled Content in Commercial Insulation**



Thermafiber has one of the highest recycled contents of any glass fiber or mineral wool insulation.



**GREEN FACT**  
Each year Thermafiber recycles over 75,000 tons (150,000,000 pounds) of waste slag to make our insulation, preventing this material from going into landfills.

**Reduction of noise pollution**—Our sound attenuation products absorb noise passing between floors and walls, and provide sound transmission coefficients (STCs) that improve indoor environmental quality for building occupants.



**How much “green” does all this green cost?**

You’d be surprised how little Thermafiber adds to your insulation costs. Because Thermafiber uses an industrial byproduct of the steel industry, we don’t spend money on mining non-renewable resources. Compared to other insulation, specifying Thermafiber commercial insulation only adds a fractional amount to the overall building costs.

**GREEN FACT**  
Commercial buildings consume 40% of the energy in the U.S.<sup>3</sup> For every 1 Btu used in manufacturing insulation for a building, 12 Btu’s of energy are saved in the first year of occupancy.<sup>4</sup>

<sup>1</sup>Building Green Publishing, [www.BuildingGreen.com](http://www.BuildingGreen.com)  
<sup>2</sup>Vattenfall Capital Markets Day 2007. Vattenfall AB. September 2007.

<sup>3</sup>Alliance to Save Energy Fact Sheet. Alliance to Save Energy website. Available at: <http://www.ase.org/content/article/detail/4096>. Accessed on March 15, 2008.  
<sup>4</sup>Green and Competitive: The Energy, Environmental, and Economic Benefits of Fiber Glass and Mineral Wool Insulation Products. Energy Conservation Management, Inc; The Alliance to Save Energy; Barakat & Chamberlin, Inc., June, 1996.





If you don't specify  
**Thermafiber**, you won't  
get the **greenest** commercial  
mineral wool insulation.

**Thermafiber has supplied insulation  
to hundreds of green buildings.  
Here are some of the prominent ones:**

- |  |  |
|--|--|
| <b>1 Bank of America</b><br>New York City<br>Platinum LEED Rating  | <b>4 111 South Wacker</b><br>Chicago<br>Gold LEED Rating                                     |
| <b>2 7 World Trade Center</b><br>New York City<br>Gold LEED Rating | <b>5 Clinton Presidential Center</b><br>Little Rock, AK<br>Silver LEED Rating                |
| <b>3 383 Madison</b><br>New York City<br>EPA Energy Star Building  | <b>6 Oregon Health &amp; Science University</b><br>Portland<br>Platinum LEED Rating Expected |

**It's easy to spec green.**

To get Thermafiber every time, just:

1. Go to [www.thermafiber.com](http://www.thermafiber.com) or log on to your favorite spec service website  
[www.arcat.com](http://www.arcat.com)  
[www.4specs.com](http://www.4specs.com)  
[www.sweets.com](http://www.sweets.com)
2. Download the "Green 3-Part Specification"
3. The instructions will walk you through it

Thermafiber is easy to spec and easy to order, making it easy to be green.

Questions? Go to [www.thermafiber.com](http://www.thermafiber.com) or call 1-888-834-2371.

**Green Thermafiber Products Include:**

FireSpan™90 and 40  
FS-15 and FS-25  
Safing™ Insulation  
Sound Attenuation Fire Blankets (SAFB™)  
RainBarrier®45 and 30  
VersaBoard™



Thermafiber Inc  
3711 Mill Street  
Wabash, IN 46992  
Phone: 888-834-2371

[www.thermafiber.com](http://www.thermafiber.com)

Made in the USA



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