SIDING INSULATION CAN NO LONGER BE CONSIDERED AN OPTION OR AN UPGRADE.

Today's energy codes, consumer demand, and technological advancements are all trending toward even higher energy efficiency.

It is the perfect time to start thinking "outside the building envelope."

The time is right for LineBacker® Siding Insulation.

LineBacker® Siding Insulation goes beyond providing a necessary thermal bridge reducer

It manages moisture, lets homes breathe naturally, reduces air infiltration, and lowers heating and cooling bills.

Unlike flat-foam alternatives, LineBacker® keeps siding lines perfectly parallel, and eliminates the measuring and guesswork usually required for installing plank-style sidings.

LineBacker®also deters termite infestation with a built-in termite control agent.

LINEBACKER® SIDING INSULATION

It's all supported by a straight-forward Lifetime Limited Warranty

Our warranty stands on top of the siding manufacturer's warranty, giving you an extra layer of protection. It is a down-to-earth demonstration of the confidence we have in our product.

At Progressive Foam Technologies, we understand the world is left wanting reasonable solutions to sustainable building products, and the energy and money savings they can generate. Why not join us, take charge of the situation, and create a revolution?

A progressive insulation revolution.

LBW02-8/12

6753 Chestnut Ridge Road Beach City, Ohio 44608
1-800-860-3626 www.progressivefoam.com

LINEBACKER® SIDING INSULATION

FIND THE HIDDEN ENERGY SAVINGS POTENTIAL IN YOUR HOME.

Siding Insulation that aligns your siding and allows your home to breathe.

LINEBACKER® SIDING INSULATION

TAKE A **THERMAL BREAK** WITH LINEBACKER® SIDING INSULATION FOR PLANK STYLE SIDINGS!

Here's what we mean by thermal bridging, the new IECC 2012 energy code-and how LineBacker® provides the break.

There may be a hidden energy leak in your walls that you don't even know about, and it's costing you money every day! The culprits are the wood studs in your walls: heat bypasses the batt insulation (pink stuff) in your wall cavities and transfers through these studs, allowing energy to leak through your walls. This process is called thermal bridging.

How dramatic is thermal bridging? Nearly 25% of your home's wall surface is made up of studs that typically are not insulated, so it's like having one entire wall of your home with no insulation.

A typical exterior wall is comprised of 2x4 studs, 16" on center, with R-13 fiberglass insulation. Due to thermal bridging, the effective R-value of the whole wall is actually 10.75.

Building scientists, energy raters and government bodies are requiring us to think outside the building envelope to find energy savings.

Energy codes and standards across the country are requiring contractors in most climate zones to install a thermal break between the sheathing and the siding in 2x4 construction.

The United States Department of Energy recommends exterior insulation as part of the solution: *"When new siding is to be installed, it's a good idea to consider adding insulation under new siding."***

LineBacker® combats thermal bridging from the outside-in:

- Provides real energy savings by keeping heat where it belongs—inside in the winter, outside in the summer—and money in the bank all year!
- Can be used to meet the requirements of Energy Star Version 3 for Reduced Thermal Bridging.
- Reduces air infiltration

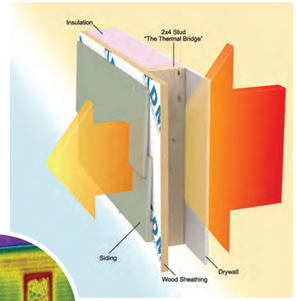
Available Thickness		
LineBacker®	.874"	R-3.2

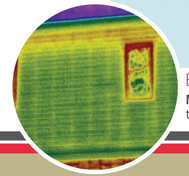
* Source: Whole wall R-value from Oak Ridge National Labs calculator website

** Source: Department of Energy and Oak Ridge National Laboratory, Insulation Fact Sheet 2008

R-value is the recognized numerical measure of the ability of an insulation product to restrict the flow of heat and, therefore, to reduce energy costs. R-values may be expressed per unit of thickness (e.g., one inch) or for the total thickness of a particular insulation product or installation. The higher the R-value, the better the product's insulating ability. Visit http://www.ftc.gov/os/1999/08/rvaluefr.htm for full information regarding R-value.

Typical Thermal Bridge

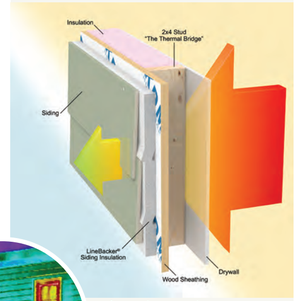


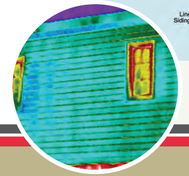


Before Siding Insulation

NOTE: vertical stripes where energy transfers through the studs and siding

The LineBacker® Thermal Break





After Siding Insulation

NOTE: no more thermal bridge

LINEBACKER®
SIDING INSULATION

LINEBACKER® SETS UP THE PERFECT INSTALLATION FOR YOUR PLANK STYLE SIDINGS.

LineBacker® Siding Insulation lines up every course of siding exactly—with a perfect ledge for each plank to stop up against for nailing. LineBacker® can eliminate the guesswork, measuring and chalk lines required for the old way of installing plank style siding.

LineBacker® can smooth out irregularities in the wall surface.

You would think solid-plank sidings could span dips and bumps on a wall better than they do. Depending on where you place the nails, the planks will follow the inconsistencies more often than not. LineBacker® thick foam panels provide a consistent, stable base for installation, allowing siding planks to go up smooth and straight.

With LineBacker® Siding Insulation
- consistent parallel siding lines
- shadow lines more pleasing
- hides wall inconsistencies

Can you tell which siding job has new LineBacker® behind it?

Without LineBacker® Siding Insulation
- siding plank facings inconsistent
- shadow lines thick and thin
- wall inconsistencies show through

Saving energy and enhanced appearance is only half the story.

Your home can breathe easier with LineBacker®.

Believe it or not, an average family of four produces 4-6 gallons of water vapor inside every day through activities such as cooking, showering and cleaning. That vapor is looking for a way to get out. When adding insulation to your home, you have to be sure not to stop that moisture from being able to escape.

The problem is that other insulation products can prevent this moisture from escaping—actually trapping the moisture in the wall system. This is one of the causes of mold and mildew inside the home where you can see it, and inside the walls where it remains hidden.

LineBacker® is a highly permeable two-way street for moisture. LineBacker® is designed to not only save energy, but also **to let water vapor pass through very efficiently**. With a permeability rating of 5.0, LineBacker® allows moisture from inside your home to move freely to the outside.