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Highly energy-efficient
Warm and dry
Quiet and comfortable
Safe and secure

THERMOMASS[®]
from Composite Technologies Corporation

Everything and more!



As a homeowner, you need to be aware of the energy and moisture issues that can affect your home's level of comfort and long-term value. With the THERMOMASS Building Insulation System you get an unsurpassed, energy-efficient, above and below grade wall. You'll enjoy a comfortable home, built on solid science, that will be a value to you now and in the future if you should decide to sell.

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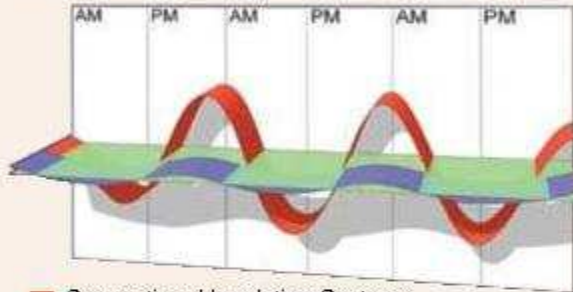
An Entire Home of Concrete

The THERMOMASS Insulation System is not just for basements. Entire homes can be beautifully constructed and extremely energy efficient. With the many finishes available for the exterior of your walls, you can get as creative with the outside as you do with the inside of your home. By building your home completely with the THERMOMASS System you'll enjoy solid construction, inside and out that will provide huge savings in the long run through better energy efficiency.

Safe, Secure, Quiet

When it comes to your family, nothing can be too safe or too secure. The THERMOMASS System provides you with peace of mind knowing that your home is constructed with incredible structural integrity and can withstand extreme conditions such as hurricanes, tornadoes and fire. Our walls have been tested by a nationally recognized fire testing laboratory, blasted by temperatures up to 2000 F for four hours while maintaining their structural integrity.

The "Thermal Mass Effect" Achieved Using THERMOMASS



- Conventional Insulation Systems
- THERMOMASS Insulation Systems
- Desired Operating Temperature

For more information about the Thermal Mass Effect, please visit www.thermomass.com/mass.

Energy Savings As Much As 50%

With energy costs expected to double over the next 7 to 10 years, a serious challenge is developing for today's families. With "typical" construction methods, heat is very quickly transferred inside your house, causing the temperature to rise and your air conditioner to work harder. The opposite is true in winter when the heat escapes and makes your heating bill rise.

Our THERMOMASS Building Insulation System, utilizing both concrete and insulation, creates a performance R-value two to three times greater than that of the material R-value alone, which can result in energy cost savings up to or exceeding 50%.

The sandwiched insulation creates a "Thermal Mass Effect" which prevents energy stored in the outside concrete section from entering your home. It also prevents energy stored in the inside concrete section from escaping. And because our patented fiber connectors do not transfer any heat or cold, the insulation envelope is unbroken, cutting that annual \$3,000.00 energy bill down to \$1,500.00, which translates into big savings for you!

A Look Inside



The THERMOMASS Building Insulation System is comprised of a "core" of Dow STYROFOAM brand polystyrene insulation sandwiched between two layers of concrete — all fastened together by our patented high strength fiber composite connectors. This results in a wall system for your home that has unparalleled energy efficiency and uncompromising moisture resistance.

Formed from a non-conductive, chemically resistant material, these connectors minimize the transfer of heat through your walls, creating an uninterrupted envelope of insulation. The result is a highly energy efficient wall and lower energy costs.



For over 25 years, the THERMOMASS Insulation System has been the industry leader in sandwich wall construction. Through extensive testing, research and development of innovative technologies THERMOMASS is changing the way the world builds.



The Healthy Choice



Mold and mildew are serious problems in homes and have been identified as the cause of many health issues. These organisms thrive in moist areas which are often caused by inefficient insulation systems. The constant "leaking" of heat allows for condensation, and it is in this moisture that mold and mildew grow. The THERMOMASS System keeps the outside weather outside, meaning there is no moisture, no mold and no mildew, which means no problems!

A Sound Investment



Concrete is low in cost and one of the most durable and flexible construction materials available. It's a common misnomer that block/brick and stick built construction methods are less expensive than using insulated concrete. To get a high performance concrete insulation system, there is not a more economical way than sandwich wall construction and the THERMOMASS Insulation System.

Resists Termites and Other Pests



Homes built with the THERMOMASS Insulation System are solid from surface to surface. With rigid foam insulation sandwiched between two layers of concrete, there is no warm cavity or edible material to support termites and other unwanted pests that can thrive in homes not protected with the THERMOMASS System.

Beautiful from Bottom to Top



The THERMOMASS Building Insulation System is a perfect solution for basements and foundations. Sandwich-wall poured foundations are strong, durable, and extremely energy-efficient.

The THERMOMASS System allows for a variety of options when finishing both basement and above-grade walls. Both interior and exterior surfaces can be finished as exposed concrete, a textured surface, plastered or painted, stuccoed, or cast with brick or stone.

We also offer the THERMOMASS Drywall Anchoring System for easy installation of drywall on a completed THERMOMASS interior wall. Electrical conduits and boxes can be easily installed before the concrete is poured.

