

Now You Can Build It Better

Foam Sweet Home

This house looks like any other on the street. It's painted blue with large windows and has a tall pitched roof. The inside is stunning — with high ceilings, a modern kitchen, and hard wood floors. But take away the furniture, and the finishes, and you'll find that this house is very different from its neighbors.

It's constructed from four-foot-wide ThermaSAVE Fiber cement-board structural panels, insulated with an expanded polystyrene (EPS) foam core. These panels are easy to connect, and they result in a home that's far superior to one made from traditional stick frame construction.

Faster Build Time

ThermaSAVE Building Systems are designed to help you build better buildings in less time. The pre-engineered panels eliminate many of the steps that are normally required on the job site:

- Insulation is built-in
- Exterior is ready to receive finish, such as siding, stucco, or masonry
- Interior finish can be used as drywall. Just tape, texture, and paint
- Exterior requires no moisture sealant. Just seal the seams, doors, and windows
- Panels can be customized in the factory to meet your individual needs.

Assembly is easy, too. Just fasten the panels together at the top plate, base plate, and seams. Because of the strength of the panels, headers usually aren't needed over doors and windows. And because ThermaSAVE panels are lightweight, they require minimal equipment and can usually be handled by just two men. Standard 4' x 8' panels are used for convenience, but larger sizes can be used with the appropriate lifting equipment.

Each ThermaSAVE order comes with assembly instructions, and experienced ThermaSAVE representatives are always available to train your crew on-site. ThermaSAVE panels are available in a variety of different sizes and finishes to meet the requirements for your building.

Lower Costs

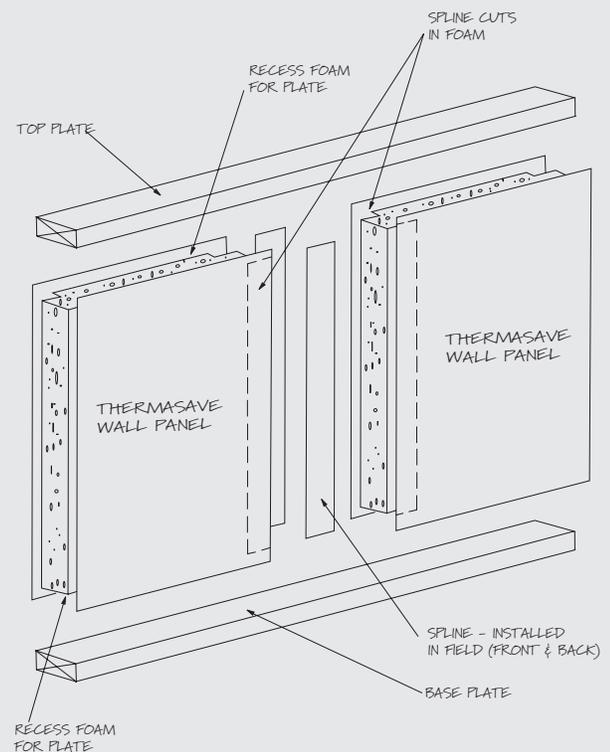
ThermaSAVE Building Systems save money in many ways:

- Faster construction means less interest paid on construction loans
- Ease of assembly reduces labor costs
- Less lumber reduces variable material costs
- Little on-site waste means faster clean-up and lower dumping fees
- Interior and exterior surfaces are ready for finishes

Wall Assembly Sample (FLOORS AND ROOFS SIMILAR)

ADJACENT THERMASAVE PANELS ARE CONNECTED BY MEANS OF 4" WIDE SPLINES WHICH ARE INSERTED INTO NOTCHES IN THE FOAM CORE AND ATTACHED TO THE FACING MATERIAL EACH SIDE OF THE PANEL JOINT WITH SCREWS.

WALL PANELS WILL HAVE SPLINES AT BOTH INTERIOR AND EXTERIOR FACES, WHEREAS FLOOR AND ROOF PANELS WILL NORMALLY HAVE SPLINES AT THE TOP FACE ONLY.



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Structural Integrity

ThermaSAVE panels have proven to be stronger than conventional construction. Due to the minimal use of wood they resist the twisting and flexing that slowly deteriorate conventional construction. In addition expanded polystyrene (EPS) foam withstands the thermal shock of extreme freeze-thaw cycling, without the loss of insulation value or structural integrity.

The structural integrity of ThermaSAVE panels permits longer floor, wall, and roof spans, thus reducing the number of interior support beams, posts, and joists. These longer spans remain stronger than conventional stick frame buildings.

ThermaSAVE roof panels are also excellent for cathedral ceilings. In many cases, due to the long span capability of the panels, a ridge beam is all that's required.

Lower Utility Bills

ThermaSAVE panels exceed insulation codes and retain R-Value over time. A house or building made with ThermaSAVE floor, wall, and roof panels will have up to 75% less heat loss or gain than one built using stick frame construction. The resulting savings will pay for the entire cost of the ThermaSAVE Building System within 8 to 12 years.

Homes made with ThermaSAVE panels require smaller heating and air conditioning units, and utility suppliers in many locations will give an energy rebate to ThermaSAVE homeowners.

Highest Fire Rating

ThermaSAVE panels meet or exceed fire tests required for the types of buildings and structural components for which they're normally used. The fire rating is so high that no sheet rock is necessary. Our cement fiber board skins have a fire rating of zero according to the National Fire Protection Association. Expanded polystyrene (EPS) foam is fire retardant, with a flash point between 600 and 650 degrees. Compare that to Douglas fir, another common building material, with a flash point of 500 degrees.

ICC-Certified

Certification by the International Code Council makes ThermaSAVE panels compliant with most local building codes.

See our ICC Certification for Yourself: <http://www.thermabuilt.com/docs/icc2406.pdf>

10-Year Warranty

ThermaSAVE SIPs are guaranteed to last. They're stronger than other SIP panels, which have been rigorously tested in the field since the 1930s. The first home built from ThermaSAVE panels was built in Alaska in 1984, and is still performing optimally despite severe winds, snow loads and earth quakes.

Tax Credits up to \$2,000

A tax credit can provide significant savings. It reduces the amount of income tax you have to pay. Unlike a deduction, which reduces the amount of income subject to tax, a tax credit directly reduces the tax itself. Home builders are eligible for a \$2,000 tax credit for a new energy efficient home that achieves 50 percent energy savings for heating and cooling over the 2004 International Energy Conservation Code (IECC) and supplements. At least 1/5 of the energy savings must come from building envelope improvements. ThermaSAVE Building Systems will ensure the most efficient building envelope. **READ MORE:** http://energystar.gov/index.cfm?c=products.pr_tax_credits

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Fire Resistant

ThermaSAVE's fire rating is so high that no sheet rock is necessary. EPS foam is fire retardant with a flash point between 600 and 650 degrees. Wood has a flash point of about 500 degrees. Owners of homes constructed with ThermaSAVE panels may qualify for hazard insurance discounts.

Low Noise Level

ThermaSAVE panels create a sound barrier for increased privacy, peace and quiet, and a better nights sleep.

Mold and Moisture Resistant

ThermaSAVE panels won't rot or support the growth of black mold.

Termite and Pest Resistant

Unlike wood, ThermaSAVE panels have zero nutritive value for plants, insects, or vermin. Borax is added to create another barrier against insects.

Wind Resistant

Standard installed panels will withstand winds of over 110 mph, and are easily upgraded to withstand 200-mph winds. To put this in perspective, hurricane Katrina, the most costly hurricane in U.S. History, recorded winds up to 175 miles per hour.

Earthquake Resistant

The ThermaSAVE Building System is proven to withstand earthquakes, and is being used to rebuild areas around the world stricken with earthquakes.

Watch Earthquake Video: <http://www.thermabuilt.com/newsroom.php>

Environmentally Safe

ThermaSAVE SIP construction is the most environmentally friendly of all contemporary building methods. The expanded polystyrene (EPS) foam core doesn't contain harmful CFCs that affect the ozone layer and is manufactured using non-toxic products. Compare that to fiberglass insulation, which is required to have a cancer warning on every roll. Buildings made from ThermaSAVE panels also save energy and forests by reducing utility bills and reducing the need for lumber.

Green Building Qualified

Green Building programs encourage building techniques that minimize the environmental impact and reduce the energy consumption of building while contributing to the health their occupants. Other benefits include faster plan approval, shorter inspection periods, and a fraction of the standard costs. ThermaSAVE panels meet or exceed all local green building requirements.