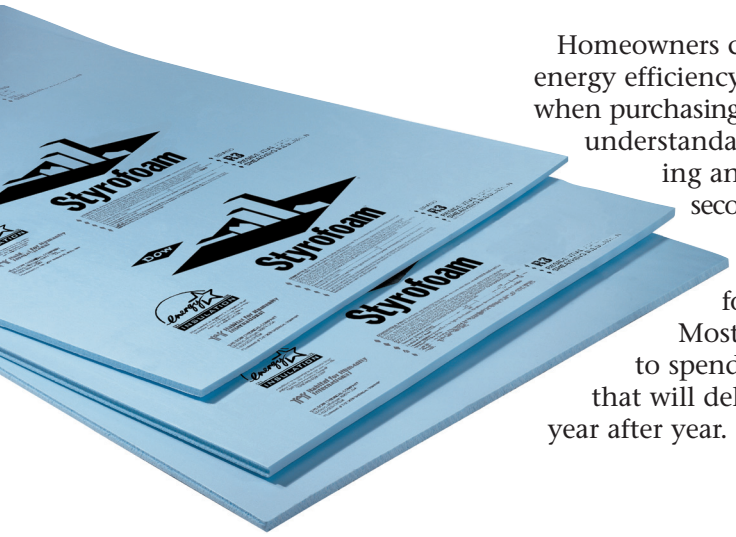
Dow Building & Construction

WHEN YOU ADD IT ALL UP...

STYROFOAM™ Residential Sheathing Boosts The Bottom Line.

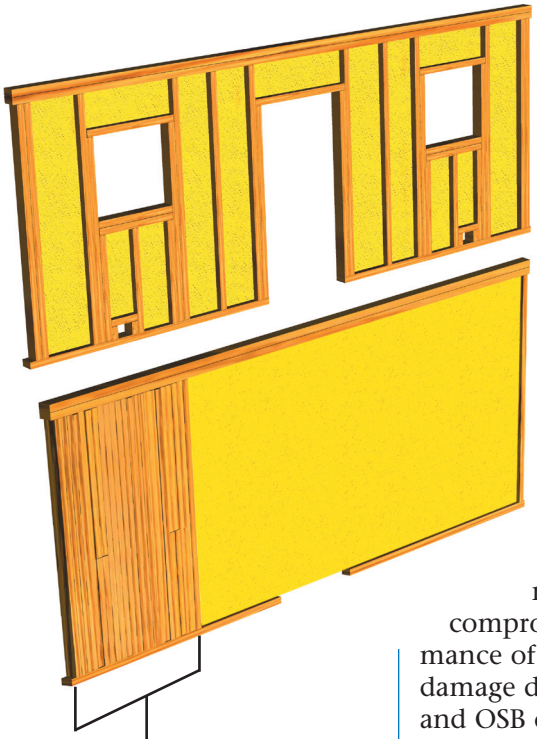


Homeowners consistently rank energy efficiency as a high priority when purchasing a new home. That's understandable, since the heating and cooling bill is the second highest monthly payment after the mortgage for many families. Most say they are willing to spend more for a home that will deliver energy savings year after year.

Cavity insulation is a good start, but it's not enough. Wood framing, ducts, wiring and plumbing – all poor insulators – make up more than 25 percent of a wall's surface. In a typical home, that's the equivalent of leaving an entire wall uninsulated. With an R-value** of approximately 3.0 at nominal 1/2", STYROFOAM™ Residential Sheathing extruded polystyrene insulation on exterior walls boosts the performance of the entire wall system.

™Trademark of The Dow Chemical Company ("Dow") or an affiliated company of Dow

**R means resistance to heat flow. The higher the R-value, the greater the insulating power.



Studs account for 25 percent of the wall surface, leaving a quarter of the building with no thermal protection if an uninsulated sheathing is used.

STYROFOAM™ Residential Sheathing adds up to an investment that will pay for itself in just a few years, and continue to provide value for years to come. And for builders, that means fewer callbacks and an enhanced reputation.

Protection Against Moisture And Air

Extruded polystyrene insulation like STYROFOAM Residential Sheathing is inherently resistant to moisture, which can wreak havoc on other building materials. Moisture can compromise the performance of cavity insulation and damage drywall, wood framing and OSB or plywood sheathing. STYROFOAM Residential Sheathing provides a one-two punch against moisture:

- Defends against wind-driven moisture penetrating a wall system, providing an effective layer of protection for wood components and cavity insulation.
- Moderates temperature in the wall cavity, reducing the potential for damaging moisture condensation to accumulate inside the wall cavity.

Air infiltration is the largest single cause of energy loss in most homes. Adding STYROFOAM Residential Sheathing to an exterior wall helps cover seams in the sheathing and gaps around windows and doors, providing a more complete barrier against air leakage.

Tough For The Job

STYROFOAM Residential Sheathing is lightweight, making it easy to handle, but its thin plastic film coating enables it to withstand abuse during handling and around the job site. Yet it remains a simple matter to cut to size with a score and a snap. It can be placed directly over uninsulated studs using let-in bracing or metal strappings to provide the code-required lateral structural bracing, or as an insulating and weather barrier layer over wood panel sheathings such as OSB or plywood.

Adding STYROFOAM Residential Sheathing also provides a level, even surface for the exterior sheathing. With STYROFOAM Residential Sheathing on your next build, you'll offer homebuyers a winning combination of durability and long-term savings.

Keep high energy costs down with STYROFOAM™ Residential Sheathing.
Call your Dow representative for more information.

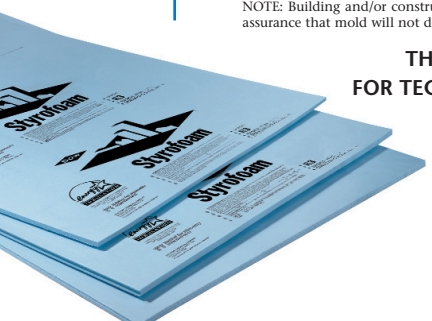
NOTICE: Changes to the International Residential Code (IRC) require the installation of a weather-resistive barrier within most exterior wall assemblies in residential construction. The following Dow insulated sheathing products qualify as a weather-resistive barrier (WRB) when installed according to the installation instructions developed for "installation of foam sheathing as a weather-resistive barrier": STYROFOAM™ DURAMATE™ Plus, STYROFOAM Residential Sheathing, STYROFOAM Tongue & Groove, STYROFOAM Square Edge, STYROFOAM Residing Board, THERMAX™, TUFF-R™, and Super TUFF-R and therefore do not require the use of a building paper or a housewrap as a WRB. When a WRB is not needed, these Dow foam sheathings may be installed according to standard installation instructions for foam sheathing from Dow. Be sure products and installation procedures meet code requirements for your particular location.

NOTE: STYROFOAM WEATHERMATE™ and STYROFOAM WEATHERMATE Plus housewraps have already qualified as weather resistive alternatives to the prescribed felt (see Evaluation Reports NER 593 and NER 640 for approved alternate).

NOTICE: No freedom from any patent owned by Dow or others is to be inferred. Because use conditions and applicable laws may differ from one location to another and may change with time, Customer is responsible for determining whether products and the information in this document are appropriate for Customer's use and for ensuring that Customer's workplace and disposal practices are in compliance with applicable laws and other government enactments. Dow assumes no obligation or liability for the information in this document. NO WARRANTIES ARE GIVEN; ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ARE EXPRESSLY EXCLUDED.

COMBUSTIBLE: Protect from high heat sources. Local building codes may require a protective or thermal barrier. For more information, consult MSDS, call Dow at 1-866-583-BLUE (2583) or contact your local building inspector. In an emergency, call 1-989-636-4400.

NOTE: Building and/or construction practices unrelated to insulation or housewrap could greatly affect moisture and the potential for mold formation. No material supplier, including Dow, can give assurance that mold will not develop in any specific system.



THE DOW CHEMICAL COMPANY • Building & Construction • 200 Larkin • Midland, MI 48674
FOR TECHNICAL INFORMATION: 1-866-583-BLUE (2583) • FOR SALES INFORMATION: 1-800-232-2436
www.insulateyourhome.com

Maximize energy savings with Dow and EARN TAX CREDITS
www.insulateyourhome.com

ENERGY STAR PARTNER

DOW®

Printed in U.S.A.
®™Trademark of The Dow Chemical Company ("Dow") or an affliated company of Dow
Form No. 179-07777-0504P&M/McKAY
McKAY187230-06/06