



STYROFOAM SIS™

Structural Insulated Sheathing

Water-Resistive Barrier Structural Bracing Insulation

STYROFOAM SIS™ Brand sheathing shown as braced wall panel integrated with other insulated sheathing.

Triple Play

Score Big With STYROFOAM SIS™ Brand Sheathing

Three home runs in one: structural shear bracing, significant insulation performance and water-resistive barrier. Innovative STYROFOAM SIS™ Brand Structural Insulated Sheathing is designed to deliver it all.

This sheathing can be used as braced wall panels attached next to other rigid insulated sheathing. It can also serve as continuous structural insulated sheathing over the entire braced wall line.

Either way, lightweight STYROFOAM SIS Brand sheathing helps save the builder the time and labor costs it would take to separately install a structural surface, insulation and water-resistive barrier. This convenient “one trip around the house” contributes to an efficient installation time.

SCOREBOARD

It's easy to tally the points when using STYROFOAM SIS™ Brand sheathing. The value proposition includes the sheathing's ability to:

- Provide high R-value* (R-3.0 at 0.5"; R-5.5 at 1") to help meet new energy-efficiency codes and credits
- Minimize condensation in wall cavity and resist moisture
- Cost less than OSB/housewrap combination (in many cases)
- Insulate wood studs, enhancing thermal efficiency and helping to reduce energy consumption for life of home
- Eliminate the need for OSB, T-bracing or wood let-in bracing
- Serve as continuous insulation or braced wall panel
- Reduce installation time with “one trip around the house”
- Sound-barrier performance similar to other structural sheathing products
- Consist of recyclable materials (80 percent post-consumer content)

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*R means resistance to heat flow. The higher the R-value, the greater the insulating power. For an optimal water-resistive barrier, tape sheathing seams with WEATHERMATE™ Construction Tape.



Additional Savings

STYROFOAM SIS™ Brand sheathing also helps save money for the homeowner with long-term thermal efficiency and reduced energy consumption. In addition to helping reduce heating/cooling bills, the sheathing can also increase the home's resale value. To estimate annual energy savings, visit www.insulateyourhome.com and select "Calculate Your Energy Savings."

Note: Estimated annual energy savings at www.insulateyourhome.com range from \$200-\$500. Savings will vary depending on heating/cooling system, geographical location, energy costs, wall assembly configuration and thickness of insulation installed.

A Major Leaguer

Since developing STYROFOAM™ Brand extruded polystyrene insulation nearly 60 years ago, Dow has continued to expand its building science expertise and technical strength to provide major innovative solutions for the building envelope.

STYROFOAM SIS™ Brand sheathing is a new player in Dow's field of breakthrough technologies. It is the industry's first structural insulated sheathing to achieve significant R-values (R-3.0 at 0.5"; R-5.5 at 1"), while meeting ICC-ES AC269: Acceptance Criteria for Racking Shear Evaluation of Proprietary Sheathing Materials Used as Braced Wall Panels.

Enjoy the home advantage with three-in-one STYROFOAM SIS™ Brand sheathing.

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NOTICE: Changes to the International Residential Code require the installation of a water-resistive barrier (WRB) within most exterior wall assemblies in residential construction. The following Dow insulated sheathing products qualify as a WRB when installed according to the installation instructions developed for "installation of foam sheathing as a water-resistive barrier": STYROFOAM™ DURAMATE™ Plus, STYROFOAM™ Residential Sheathing, STYROFOAM™ Tongue and Groove, STYROFOAM™ Square Edge, STYROFOAM™ Residing Board, DOW™ High Performance Underlayment, THERMAX™ Sheathing, STYROFOAM SIS™, 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 instructions meet code requirements for your particular location. Note: WEATHERMATE™ and WEATHERMATE™ Plus housewraps have already qualified as water-resistive alternatives to the prescribed felt (see Evaluation Reports NER-593 and NER-640 for approved alternative).

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.

Building and/or construction practices unrelated to building materials 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.

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FOR TECHNICAL INFORMATION: 1-866-583-BLUE (2583) • FOR SALES INFORMATION: 1-800-232-2436
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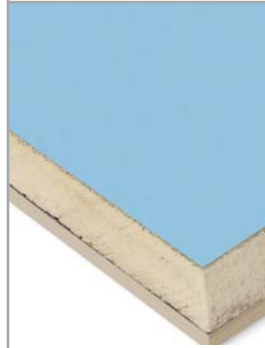
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Form No. 179-07917-1107P&M

The Big Three

STYROFOAM SIS™ Brand sheathing consists of three layers:

- BLUE™, non-reflective, resilient exterior surface provides a water-resistive barrier
- Closed-cell, moisture-resistant rigid polyisocyanurate foam core for excellent compressive strength and long-term, stable R-value
- Thin structural member (high-pressure laminated)



Earn Extra Credit

For a limited time, get a tax break when you use STYROFOAM SIS™ Brand sheathing. The U.S. Energy Policy Act of 2005 initiated a tax credit program for builders who use energy-efficient building materials and products. To learn more, visit www.insulateyourhome.com or call 1-866-583-BLUE (2583).

