

SELECTOR GUIDE

Residential Products





THE RIGHT SOURCE.

The right solutions.

For more than 50 years, Dow Building & Construction has been the recognized leader in extruded polystyrene insulation. Since developing STYROFOAM™ extruded polystyrene insulation, we've continued to build on our foam expertise and technical strength to provide our customers with the right product for any building envelope application.

Today, Dow Building & Construction offers an extensive line of science-based building envelope solutions, including:

- STYROFOAM extruded polystyrene insulation
- Dow polyisocyanurate insulation, including top-rated THERMAX™ and TUFF-R™
- STYROFOAM WEATHERMATE™ housewraps
- STYROFOAM concrete insulation systems

Better Buildings. Better Business.

Dow Building & Construction helps you improve the comfort and energy efficiency of your structures. And better buildings mean better business.

- Satisfied buyers
- Fewer callbacks
- Excellent return on investment
- Improved reputation



BASED ON SCIENCE.

Backed by Dow.

Behind our building envelope solutions are more than 50 years of experience and the reputation of The Dow Chemical Company.

- Dow developed extruded polystyrene insulation – we know more about foam than anyone else
- Dow uses a unique free-rise polyisocyanurate technology
- Quality and availability are ensured – we manage the entire process from raw materials to finished product
- Dow is committed to ongoing research and development
- Dow offers the most extensive marketing support in the industry

Better Science. Better Service.

The Dow Chemical Company is a leading global supplier of chemical, plastic and agricultural products and services.

With a presence in 170 countries, The Dow Chemical Company is committed to improving the things that are essential to human progress.

BUILDING RELATIONSHIPS

Dow Building & Construction leverages the strengths of The Dow Chemical Company to build and improve relationships with customers and suppliers. A Fortune 50 company, The Dow Chemical Company is respected around the world as a brand leader.

Throughout Dow, we're using information technology to further enhance customer relationships and provide needs-based solutions. Among Dow's capabilities and initiatives:

- www.dow.com
- www.dowstyrofoam.com
- www.insulateyourhome.com
- Customer Information Group (CIG)
- Telesales

Building Community.

DOW AND HABITAT FOR HUMANITY

Recognizing that decent, affordable housing is essential to quality of life, Dow has built a strong partnership with Habitat for Humanity International.

We actively support Habitat with house sponsorships, product donations and volunteer build teams. Since the early 1980s, Dow has donated more than \$5 million in financial support and product donations to Habitat. Dow is the official supplier of rigid foam insulation and will donate an additional \$5 million of insulation for the next 25,000 Habitat homes built in North America through 2005. In addition, The Dow Chemical Company Foundation has pledged \$2 million to the organization for house sponsorships around the world.



the applications



THE RIGHT PRODUCTS.

Based on building science.

Dow Building & Construction offers the right product for every building envelope application. Use this chart to determine which products are best for your needs based on product characteristics beneficial for specific applications.



roofs & ceilings

PRODUCTS

	Cathedral Ceiling and Roof Deck Combined	Cathedral/Vaulted/Flat/Finished Attic
Extruded Polystyrene Products		
STYROFOAM Square Edge		High R-Value Highest Moisture Resistance
STYROFOAM Tongue and Groove		High R-Value Highest Moisture Resistance
STYROFOAM WALLMATE™		High R-Value Highest Moisture Resistance
Polyisocyanurate Products		
HY-THERM™ NAIL-LINE™†	Highest R-Value Highest Strength	
THERMAX Sheathing		Highest R-Value High Strength
VALUE-R™		Highest R-Value High Moisture Resistance

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High • Higher • Highest • Lowest

†Only available west of the Rockies

		walls		
		Frame Wall (Wood and Steel Stud)		
PRODUCTS		Foam Over Studs	Foam or Housewrap Over OSB/Non-Insulating Sheathing	Stucco Applications/ Select EIFS Assemblies
Extruded Polystyrene Products				
	BLUECOR™	High R-Value Highest Moisture Resistance High Strength	High R-Value Highest Moisture Resistance High Strength	
	STYROFOAM DURAMATE™ Plus	Higher R-Value Highest Moisture Resistance Highest Strength		
	STYROFOAM Residential Sheathing	Higher R-Value Highest Moisture Resistance High Strength	Higher R-Value Highest Moisture Resistance High Strength	
	STYROFOAM STUCCOMATE™			High R-Value Highest Moisture Resistance High Strength
	STYROFOAM Tongue and Groove	Higher R-Value Highest Moisture Resistance High Strength	Higher R-Value Highest Moisture Resistance High Strength	
	STYROFOAM VALUEMATE™	High R-Value Highest Moisture Resistance High Strength	High R-Value Highest Moisture Resistance High Strength	
Polyisocyanurate Products				
	QUIK-R™			Higher R-Value Higher Strength
	STURDY-R™	Higher R-Value Highest Strength		
	Super TUFF-R	Highest R-Value High Moisture Resistant Facer Highest Strength		
	THERMAX Sheathing	Highest R-Value High Strength		Highest R-Value High Strength
	TUFF-R	Highest R-Value High Moisture Resistant Facer High Strength	Highest R-Value High Moisture Resistant Facer High Strength	
	VALUE-R	Highest R-Value High Moisture Resistant Facer		
Housewrap Products				
	STYROFOAM WEATHERMATE		Highest Strength Higher Water Resistance	
	STYROFOAM WEATHERMATE Plus		Higher Strength Highest Water Resistance Lowest Air Porosity	
		Insulated Concrete Systems	Concrete Block (Interior)	Panel
Extruded Polystyrene Products				
	STYROFOAM Square Edge		High R-Value Highest Moisture Resistance Highest Strength	High R-Value Highest Moisture Resistance Highest Strength
	STYROFOAM T-MASS™ Technology	Highest R-Value Highest Moisture Resistance		
	STYROFOAM Tongue and Groove		High R-Value Highest Moisture Resistance Highest Strength	High R-Value Highest Moisture Resistance Highest Strength
Polyisocyanurate Products				
	Super TUFF-R		Highest R-Value High Moisture Resistant Facer	
	TUFF-R		Highest R-Value High Moisture Resistant Facer	

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foundations/slabs/basements

PRODUCTS	foundations/slabs/basements			
	Exterior Foundation Wall	Interior Foundation Wall		Crawl Space
Extruded Polystyrene Products				
BLUECOR	High R-Value Highest Moisture Resistance			
STYROFOAM PERIMATE™	Highest R-Value Highest Moisture Resistance Highest Strength			
STYROFOAM Scoreboard	Highest R-Value Highest Moisture Resistance Highest Strength	High R-Value Highest Moisture Resistance Highest Strength		High R-Value Highest Moisture Resistance Highest Strength
STYROFOAM Square Edge	Highest R-Value Highest Moisture Resistance Highest Strength	High R-Value Highest Moisture Resistance Highest Strength		High R-Value Highest Moisture Resistance Highest Strength
STYROFOAM Tongue and Groove	Highest R-Value Highest Moisture Resistance Highest Strength	High R-Value Highest Moisture Resistance Highest Strength		High R-Value Highest Moisture Resistance Highest Strength
STYROFOAM WALLMATE		High R-Value Highest Moisture Resistance Highest Strength		
Polyisocyanurate Products				
Super TUFF-R		High R-Value High Moisture Resistant Facer Highest Strength		
THERMAX Sheathing		High R-Value High Moisture Resistant Facer High Strength		Highest R-Value High Strength
TUFF-R		High R-Value High Moisture Resistant Facer High Strength		
	Slab/Radiant Floor		Insulated Concrete Systems	Sill Plate
	Under Slab	Over Slab/Subfloor		
Extruded Polystyrene Products				
STYROFOAM Scoreboard	High R-Value Highest Moisture Resistance Highest Strength	High R-Value Highest Moisture Resistance High Strength		
STYROFOAM Square Edge	High R-Value Highest Moisture Resistance Highest Strength	High R-Value Highest Moisture Resistance High Strength		
STYROFOAM T-MASS Technology			High R-Value Highest Moisture Resistance	
STYROFOAM WALLMATE		High R-Value Highest Moisture Resistance High Strength		
Polyisocyanurate Products				
Super TUFF-R		High R-Value High Moisture Resistant Facer Highest Strength		
THERMAX Sheathing		High R-Value High Moisture Resistant Facer High Strength		
TUFF-R		High R-Value High Moisture Resistant Facer High Strength		
VALUE-R		High R-Value High Moisture Resistant Facer High Strength		

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High • Higher • Highest • Lowest

BUILDING BETTER.

Building envelope solutions.

Better buildings begin with better materials ... and knowledge. Dow Building & Construction offers a broad range of building envelope solutions – the best products backed by in-depth technical expertise and support.

Product and Description	Building Code Compliance
 <p>BLUECOR An extruded polystyrene foam insulation board with plastic film on both sides. In residing applications, recommended as underlayment layer to provide solid, level surface under the new siding. Fanfolded 50-foot lengths make it easy to install and work with on the job site. The high-grade polystyrene formulation coupled with the heat bonding of capsheets (no glue used) permits 90° “folding” around corners without breakage or the need for reinforcement tape.</p>	<p>Meets IBC/IRC requirements for foam plastic insulation. See ICBO-ES ER 2257, BOCA-ES RR 21-02, SBCCI PST & ESI ER 9576D, Und. Lab. Inc.® Classified, see Classification Certificate U589.</p>
 <p>HY-THERM NAIL-LINE Roof Insulation† Polyisocyanurate foam core, securely bonded to a top layer of durable 7/16” oriented strand board (OSB) and an organic/inorganic facer sheet on the other side. Incorporating all the features of our other polyisocyanurate roof insulations, this product features insulating value, nailability, high compressive strength and high resistance to traffic abuse.</p>	<p>Complies with ASTM C 1289 Type V. Meets IBC/IRC requirements for foam plastic insulation.</p>
 <p>QUIK-R A rigid polyisocyanurate foam core insulation faced with special coated glass fiber facers. Designed for use in EIFS applications.</p>	<p>Complies with ASTM C 1289, Type II, Class 2. Meets IBC/IRC requirements for foam plastic insulation. See NES NER 554.</p>
 <p>STURDY-R A patented high-performance polyisocyanurate foam core with proprietary fiber glass facers. Recommended for wall sheathing in residential applications. Very tough, durable performance reduces damage on the job site.</p>	<p>Complies with ASTM C 1289 Type II, Class 2. Meets IBC/IRC requirements for foam plastic insulation. NES NER 540.</p>

†Only available west of the Rockies

Technical Information

Nominal Board Thickness**	in (mm)	1/4 (6.4)
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R-Value at 75°F Mean	1.0
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Board Size: 4' x 50'

Nominal Product Thickness**	in (mm)	1 1/2 (38.1)	2 (50.8)	2.4 (61.0)	3 (76.2)	4 (101.6)
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R-Value ¹ at 75°F Mean	6.6	9.6	12.1	15.9	22.3
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Board Size: 4' x 8'

¹Expected results for foam pending confirmation using Long-Term Thermal Resistance (LTTR) – ASTM C 1289 Annex method.

Nominal Board Thickness**	in (mm)	.59 (15)	3/4 (19.1)	1 (25.4)
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R-Value at 75°F Mean	3.0	4.0	5.0
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Board Size: 4' x 8'; 4' x 9'; 4' x 10'; 4' x 12'

Nominal Board Thickness**	in (mm)	1/2 (12.7)	.59 (15)	3/4 (19.1)	1 (25.4)
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R-Value at 75°F Mean	2.5	3.0	4.0	5.0
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Board Size: 4' x 8'; 4' x 9'

NOTE: R-value means resistance to heat flow. The higher the R-value, the greater the insulating power. R-value determined by ASTM C 518, unless otherwise specified. Aged R-value of foam @ 75°F mean.

**Not all product sizes are available in all regions. Please contact your local Dow sales representative for specific product availability in your area.

the products

Product and Description	Building Code Compliance
 <p>STYROFOAM DURAMATE Plus An extruded polystyrene foam board with proprietary extra-tough plastic film on both sides. Recommended for wall sheathing in residential applications. Very tough, durable performance reduces damage on the job site.</p>	<p>Meets IBC/IRC requirements for foam plastic insulation. See ICBO-ES ER 2257, BOCA-ES RR 21-02, SBCCI PST & ESI ER 9576D, Und. Lab. Inc.® Classified, see Classification Certificate D369.</p>
 <p>STYROFOAM PERIMATE An extruded polystyrene foam insulation board with patented dovetail grooves cut into one face of the board and shiplap edges on the long edges. When installed on the exterior of basement walls, it provides insulation, protects the waterproofing membrane and assists water drainage away from the foundation. Qualifies as Class A, Type 2 drainage product in Canada.</p>	<p>Complies with ASTM C 578 Type IV. Meets IBC/IRC requirements for foam plastic insulation. See ICBO-ES ER 2257, BOCA-ES RR 21-02, SBCCI PST & ESI ER 9576D, Und. Lab. Inc.® Classified, see Classification Certificate D369.</p>
 <p>STYROFOAM Residential Sheathing An extruded polystyrene foam board with plastic film on both sides. Recommended for wall sheathing in residential applications. Plastic film reduces job site damage.</p>	<p>Meets IBC/IRC requirements for foam plastic insulation. See ICBO-ES ER 2257, BOCA-ES RR 21-02, SBCCI PST & ESI ER 9576D, Und. Lab. Inc.® Classified, see Classification Certificate D369.</p>
 <p>STYROFOAM Scoreboard An extruded polystyrene foam insulation board with square edges on all four sides. Scored longitudinally on 16" (406 mm) and 24" (610 mm) centers, making it easy to snap into convenient widths.</p>	<p>Complies with ASTM C 578 Type IV. Meets IBC/IRC requirements for foam plastic insulation. See ICBO-ES ER 2257, BOCA-ES RR 21-02, SBCCI PST & ESI ER 9576D, Und. Lab. Inc.® Classified, see Classification Certificate D369.</p>
 <p>STYROFOAM Sill Seal Foam Gasket A flexible polyethylene foam gasketing strip used to reduce air infiltration between concrete foundation and sill plate or around windows.</p>	<p>Not applicable.</p>
 <p>STYROFOAM Square Edge An extruded polystyrene foam insulation board with square edges on four sides. Offers superior water resistance, long-term thermal performance and high compressive strength.</p>	<p>Complies with ASTM C 578 Type IV. Meets IBC/IRC requirements for foam plastic insulation. See ICBO-ES ER 2257, BOCA-ES RR 21-02, SBCCI PST & ESI ER 9576D, Und. Lab. Inc.® Classified, see Classification Certificate D369.</p>

Technical Information

Nominal Board Thickness**	in (mm)	1/2 (12.7)
R-Value at 75°F Mean		3.0

Board Size: 4' x 8'; 4' x 9'

Nominal Board Thickness**	in (mm)	1 1/2 (38.1)	2 1/8 (54.0)
R-Value at 75°F Mean		7.0	10.0

Board Size: 2' x 8'

Nominal Board Thickness**	in (mm)	1/2 (12.7)	3/4 (19.1)	1 (25.4)
R-Value at 75°F Mean		3.0	4.0	5.0

Board Size: 4' x 8'; 4' x 9'

Nominal Board Thickness**	in (mm)	3/4 (19.1)	1 (25.4)	1 1/2 (38.1)	2 (50.8)	2 1/2 (63.5)	3 (76.2)
R-Value at 75°F Mean		3.8	5.0	7.5	10.0	12.5	15.0

Board Size: 4' x 8'

Thickness x Width**	in	1/4 x 3 1/2	1/4 x 5 1/2	1/4 x 7 1/2
R-Value		NA	NA	NA
Roll Length (feet)		50	50	50

Roll Length: 50'

Nominal Board Thickness**	in (mm)	3/4 (19.1)	1 (25.4)	1 1/2 (38.1)	2 (50.8)	2 1/2 (63.5)	3 (76.2)	4 (101.6)
R-Value at 75°F Mean		3.8	5.0	7.5	10.0	12.5	15.0	20.0

Board Size: 2' x 8'; 4' x 8'; 4' x 9'

NOTE: R-value means resistance to heat flow. The higher the R-value, the greater the insulating power. R-value determined by ASTM C 518, unless otherwise specified. Aged R-value of foam @ 75°F mean.

**Not all product sizes are available in all regions. Please contact your local Dow sales representative for specific product availability in your area.

the products

Product and Description	Building Code Compliance
 <p>STYROFOAM STUCCOMATE An extruded polystyrene foam insulation board with grooved horizontal channels spaced 2" on center on the outside face of the boards and vertical channels spaced 8" on center on the inside or back face of the boards. Tongue and groove edge treatment. Designed for use as a non-absorbent sheathing base beneath one- or three-coat stucco systems applied on residential frame walls.</p>	<p>Meets IBC/IRC requirements for foam plastic insulation. See ICBO-ES ER 2257, BOCA-ES RR 21-02, SBCCI PST & ESI ER 9576D, Und. Lab. Inc.® Classified, see Classification Certificate D369.</p>
 <p>STYROFOAM T-MASS Technology PRECAST. T-MASS Technology that incorporates STYROFOAM extruded polystyrene insulation, composite connectors and concrete to create precast wall systems. Sandwiched between layers of concrete, the STYROFOAM insulation core and composite connectors provide a solid, attractive, energy-efficient, durable wall. Wall sections are precast for fast, easy, cost-effective installation.</p>	<p>New product – code approvals pending.</p>
 <p>STYROFOAM T-MASS Technology POURED-IN-PLACE. T-MASS Technology that incorporates STYROFOAM extruded polystyrene insulation with pre-fabricated "buttons," composite connectors and traditional concrete forms to create poured-in-place walls. The finished insulated concrete walls are conveniently cast on site.</p>	<p>New product – code approvals pending.</p>
 <p>STYROFOAM Tongue and Groove An extruded polystyrene foam insulation board with tongue and groove edges on the long edges of all boards.</p>	<p>Complies with ASTM C 578 Type IV. Meets IBC/IRC requirements for foam plastic insulation. See ICBO-ES ER 2257, BOCA-ES RR 21-02, SBCCI PST & ESI ER 9576D, Und. Lab. Inc.® Classified, see Classification Certificate D369.</p>
 <p>STYROFOAM VALUEMATE An extruded polystyrene foam insulation that features strong plastic film facers that give it additional damage resistance on the job site. There are two versions: one with non-perforated facers for hot, humid climates and one with perforated facers for cold climates. STYROFOAM VALUEMATE can be installed directly over studs on 16" or 24" centers. Or it can be used as a thermal and moisture protection board over OSB and other structural sheathings.</p>	<p>Meets IBC/IRC requirements for foam plastic insulation. Und. Lab. Inc.® Classified, see Classification Certificate U589.</p>
 <p>STYROFOAM WALLMATE An extruded polystyrene foam board with rabbet edges on long edges. Designed as a quick, easy option for insulating and finishing the interior of basement walls. When boards are butted together, the rabbet edges form a slot between boards that accommodates a wood nailing strip. The wood nailing strip attaches the boards to the wall and provides a nail base for drywall.</p>	<p>Complies with ASTM C 578 Type X. Meets IBC/IRC requirements for foam plastic insulation. See ICBO-ES ER 2257, BOCA-ES RR 21-02, SBCCI PST & ESI ER 9576D, Und. Lab. Inc.® Classified, see Classification Certificate D369.</p>

Technical Information

Nominal Board Thickness** in (mm)	1 (25.4)
R-Value at 75°F Mean	5.0

Board Size: 2' x 8'

Aged R-Value per Inch (25mm) ^{1,2}	
at 75°F Mean	5.0 (0.88)
at 40°F Mean	5.4 (0.95)
at 25°F Mean	5.6 (0.99)

¹In accordance with ASTM C 518, C-177-85

²R-values expressed in ft²·h·°F/Btu (m²·K/W)

Aged R-Value per Inch (25mm) ^{1,2}	
at 75°F Mean	5.0 (0.88)
at 40°F Mean	5.4 (0.95)
at 25°F Mean	5.6 (0.99)

¹In accordance with ASTM C 518, C-177-85

²R-values expressed in ft²·h·°F/Btu (m²·K/W)

Nominal Board Thickness** in (mm)	3/4 (19.1)	1 (25.4)	1 1/2 (38.1)	2 (50.8)
R-Value at 75°F Mean	3.8	5.0	7.5	10.0

Board Size: 2' x 8'; 4' x 8'; 4' x 9'

Nominal Board Thickness** in (mm)	0.34 (8.6)
R-Value at 75°F Mean	1.4



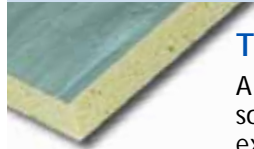

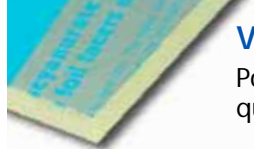
Board Size: 4' x 8'; 4' x 9'

Nominal Board Thickness** in (mm)	1 1/2 (38.1)	2 (50.8)
R-Value at 75°F Mean	7.5	10.0

NOTE: R-value means resistance to heat flow. The higher the R-value, the greater the insulating power. R-value determined by ASTM C 518, unless otherwise specified.

**Not all product sizes are available in all regions. Please contact your local Dow sales representative for specific product availability in your area.

the products

Product and Description	Building Code Compliance
 <p>STYROFOAM WEATHERMATE</p> <p>Woven, perforated, polyolefin-based housewrap that is both tough and tear-resistant. Offers an effective option for builders who prefer to use non-insulating sheathing along with housewrap. It is translucent to allow clear view of studs and sheathing surface. Can remain uncovered for up to 60 days.</p>	<p>See ICBO-ES ER 5765, NES NER 593.</p>
 <p>STYROFOAM WEATHERMATE Plus</p> <p>A non-woven, non-perforated, polyolefin-based housewrap. Offers an effective option for builders who prefer to use non-insulating sheathing along with housewrap. It is translucent to allow clear view of application surface. More tear- and moisture-resistant, it also has a lower air porosity than other non-woven, non-perforated wraps. Can remain uncovered for up to 120 days.</p>	<p>See NES NER 640.</p>
 <p>Super TUFF-R</p> <p>A patented high-performance polyisocyanurate foam core with patented three-ply poly/aluminum foil facers laminated to the core, resulting in unsurpassed durability. One facer is painted black; the other facer is radiant barrier-quality reflective foil.</p>	<p>Complies with ASTM C 1289 Type I, Class 1. Meets IBC/IRC requirements for foam plastic insulation. See NES NER 616.</p>
 <p>THERMAX Sheathing</p> <p>A glass-fiber-reinforced polyisocyanurate foam core with solid aluminum foil facers on both sides. Can be installed exposed to the interior without a thermal barrier.</p>	<p>Complies with ASTM C 1289 Type I, Class 2. Meets IBC/IRC requirements for foam plastic insulation. See SBCCI PST & ESI ER 9574C, BOCA-ES RR 98-25, ICBO-ES ER 3223.</p>
 <p>TUFF-R</p> <p>A patented high-performance polyisocyanurate foam core with radiant barrier-quality aluminum foil facers on both sides (one side reinforced).</p>	<p>Complies with ASTM C 1289 Type I, Class 1. Meets IBC/IRC requirements for foam plastic insulation. See NES NER 616.</p>
 <p>VALUE-R^{††}</p> <p>Polyisocyanurate foam insulation board with radiant barrier-quality reinforced aluminum foil facers on both sides.</p>	<p>Complies with ASTM C 1289 Type I, Class 1. Meets IBC/IRC requirements for foam plastic insulation.</p>

^{††}Only available west of the Rocky Mountains

Technical Information

Sold in Rolls** | 10' x 150' | 9' x 100' | 9' x 150' | 9' x 195' | 4'6" x 100' | 3' x 100' |

Sold in Rolls** | 10' x 100' | 10' x 150' | 9' x 100' | 9' x 150' | 9' x 195' | 3' x 100' |

Nominal Board Thickness**	in	1/2	5/8	3/4	1
	(mm)	(12.7)	(15.9)	(19.1)	(25.4)
R-Value at 75°F Mean		3.3	4.1	5.0	6.5

Board Size: 4' x 8'; 4' x 9'

Nominal Board Thickness**	in	1/2	3/4	1	1 1/4	2
	(mm)	(12.7)	(19.1)	(25.4)	(31.8)	(50.8)
R-Value at 75°F Mean		3.3	5.0	6.5	8.0	13.0

Board Size: 4' x 8'; 4' x 9'; 4' x 10'

Nominal Board Thickness**	in	1/2	3/4	1
	(mm)	(12.7)	(19.1)	(25.4)
R-Value at 75°F Mean		3.3	5.0	6.5

Board Size: 4' x 8'; 4' x 9'

Nominal Board Thickness**	in	2	2 1/2	3	3 1/2	4
	(mm)	(50.8)	(63.5)	(76.2)	(88.9)	(101.6)
R-Value at 75°F Mean		13.0	15.8	19.0	22.1	25.3

Board Size: 4' x 8'; 4' x 9'

NOTE: R-value means resistance to heat flow. The higher the R-value, the greater the insulating power. R-value determined by ASTM C 518, unless otherwise specified.

**Not all product sizes are available in all regions. Please contact your local Dow sales representative for specific product availability in your area.

the products

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.

STYROFOAM Extruded Polystyrene Insulation and Dow Polyisocyanurate Insulation Other Than THERMAX Products

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.

THERMAX Products

COMBUSTIBLE: THERMAX products should be used only in strict accordance with product application instructions. THERMAX products, when used in a building containing combustible materials, may contribute to the spread of fire. For more information, consult MSDS and/or call Dow at 1-866-583-BLUE (2583). 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.

WARNING: THERMAX insulation/finish boards do not constitute a working walkable surface or qualify as a fall protection product.

The Dow Chemical Company

Building & Construction
200 Larkin • Midland, Michigan 48674

For Technical Information: 1-866-583-BLUE (2583)

For Sales Information: 1-800-232-2436

www.insulateyourhome.com



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