



SELECTOR GUIDE

Commercial products

THE RIGHT SOURCE.

The Right Solutions.

For nearly 60 years, The Dow Chemical Company 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 thermal envelope product for any application. Today, the extensive line of science-based solutions from Dow Building & Construction includes:

- STYROFOAM™ extruded polystyrene insulation
- Dow polyisocyanurate insulation
- STYROFOAM™ WEATHERMATE™ Plus housewrap
- FROTH-PAK™ Portable Spray Foam Kit
- GREAT STUFF™ Pro Gaps & Cracks Insulating Foam Sealant
- GREAT STUFF™ Pro Window & Door Insulating Foam Sealant
- GREAT STUFF™ Pro Wall & Floor Construction Adhesive
- STYROFOAM™ Spray Polyurethane Foam (SPF) Insulation (2.0 pcf)
- TRYMER™ 2000 XP polyisocyanurate pipe insulation
- SARAN™ Vapor Retarder Film and Tape



Better Buildings. Better Business.

Dow 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

Better Chemistry. Better Environment.

The Dow Chemical Company is committed to improving the things that are essential to human progress. As a dedicated steward of the environment, Dow embraces the Montreal Protocol and works diligently to meet regulations implemented by the Environmental Protection Agency based on the Protocol. To this end, Dow has replaced the blowing agent used in polyisocyanurate insulation, using hydrocarbons instead of HCFC-141b.

Based on Science. Backed by Dow.

Behind our building envelope solutions are nearly 60 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 in addition to restrained rise
- 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

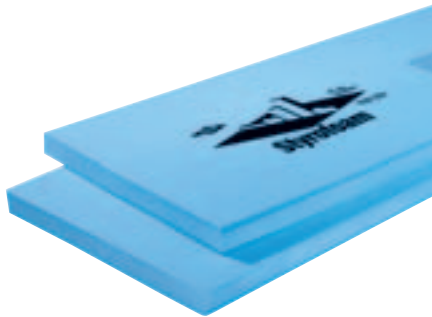


THE RIGHT PRODUCTS.

Based on Building Science.

Extruded Polystyrene Insulation

With its inherent moisture resistance and closed-cell structure, STYROFOAM™ extruded polystyrene insulation delivers stable long-term R-value in roofs, walls and foundations. A proprietary manufacturing process produces boards with a consistent foam structure, with virtually no voids between cells, and a smooth skin on the top and bottom. The cell structure imparts high compressive strength and superior resistance to water and water vapor. The reusable boards are lightweight, easy to cut to size and won't cause skin irritation.



Polyisocyanurate Insulation

Dow polyisocyanurate insulation products offer outstanding R-value and fire resistance. The boards feature insulation cores of thermoset foam plastic laminated to a variety of facers that enhance strength, moisture resistance and rigidity. Some boards are produced through an exclusive free-rise process that delivers even higher compressive strength, better facer adhesion and more uniform foam density.



Dow Polyurethane Insulation, Sealant and Adhesive Products

Dow polyurethane products offer dependable service in a wide variety of commercial applications. The one- and two-component systems are specially formulated for long service. And they are compatible with most construction materials.



Wrap and Tape

Enhance the quality and performance of the walls you build with STYROFOAM™ WEATHERMATE™ Plus housewrap and WEATHERMATE™ Construction Tape. STYROFOAM WEATHERMATE Plus housewrap forms a continuous protective membrane that protects walls from damaging bulk water and air infiltration. WEATHERMATE Construction Tape seals joints and seams of STYROFOAM WEATHERMATE Plus housewrap and STYROFOAM™ insulated sheathings.



Mechanical Insulation Systems

TRYMER™ 2000 XP pipe insulation and SARAN™ Vapor Retarder Film and Tape are ideal for pipe insulation applications in the service temperature range of -297°F to 300°F, particularly chilled water lines.



Dow insulation may help contractors and building owners achieve credits in the U.S. Green Building Council's Leadership in Energy & Environmental Design** (LEED) Program. For more information on LEED, visit www.usgbc.org.

DETERMINE WHICH PRODUCTS ARE BEST FOR YOUR NEEDS.

PRODUCTS	foundations/slabs		
	Foundations	Slabs	
Extruded Polystyrene Insulation			
DOW Protection Board III	■		
STYROFOAM™ Highload 40, 60 & 100		■	
STYROFOAM™ PERIMATE™	■		
STYROFOAM™ Scoreboard	■		
STYROFOAM™ Square Edge	■	■	
PRODUCTS	walls		
	Interior	Exterior Cavity Wall – Block Backed	Exterior Cavity Wall – Steel Stud
Extruded Polystyrene Insulation			
STYROFOAM™ CAVITYMATE™		■	
STYROFOAM™ CAVITYMATE™ Plus		■	
STYROFOAM™ CAVITYMATE™ SC			■
STYROFOAM™ CAVITYMATE™ Ultra		■	
STYROFOAM™ Square Edge	■		
STYROFOAM™ Z-MATE™	■		
Polyisocyanurate Insulation			
THERMAX™ Heavy Duty Plus	■		
THERMAX™ Heavy Duty	■		
THERMAX™ Light Duty	■		
THERMAX™ Metal Building Board	■		
THERMAX™ Sheathing	■	■	■
Super TUFF-R™ Commercial	■		
TUFF-R™ Commercial	■		
VALUE-R™	■		

walls – continued

PRODUCTS	Interior	Exterior Cavity Wall – Block Backed	Exterior Cavity Wall – Steel Stud
Spray Polyurethane Foam Insulation			
STYROFOAM™ SPF Insulation	■	■	■
Wrap and Tape			
STYROFOAM™ WEATHERMATE™ Plus			■
WEATHERMATE™ Construction Tape		■	■

PRODUCTS	Precast/Tilt-up Insulated Sandwich Panels	Tilt-up Interior Exposed
Extruded Polystyrene Insulation		
STYROFOAM™ Square Edge	■	
STYROFOAM™ Tongue and Groove	■	
Polyisocyanurate Insulation		
ISOCAST™ R	■	
THERMAX™ Heavy Duty Plus		■
THERMAX™ Heavy Duty		■
THERMAX™ Light Duty		■

pipe

PRODUCTS	
Mechanical Insulation Products	
SARAN™ Vapor Retarder Film and Tape	■
TRYMER™ 2000 XP Pipe Insulation	■

Enhance the performance of your commercial building with Dow polyurethane foam sealant and adhesive products

PRODUCTS	Walls	Foundations
Polyurethane Foam Sealant and Adhesive Products		
FROTH-PAK™ Portable Spray Foam Kit	■	
GREAT STUFF™ Pro Gaps & Cracks Insulating Foam Sealant	■	■
GREAT STUFF™ Pro Window & Door Insulating Foam Sealant	■	
GREAT STUFF™ Pro Wall & Floor Construction Adhesive	■	

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.

BUILDING ENVELOPE SOLUTIONS

Product and Description

Extruded Polystyrene Insulation



DOW Protection Board III

An extruded polystyrene foam insulation board with plastic film on one side. Fanfolded 50' lengths make it easy to install and work with on the job site. Recommended for waterproofing protection on the exterior of perimeter concrete and masonry walls.

Building Code Compliance

Meets IBC/IRC requirements for foam plastic insulation. See ICC-ES NER-699, BOCA-ES RR 21-02, UL Classified, see Classification Certificate U589.



STYROFOAM™ CAVITYMATE™

An extruded polystyrene foam insulation board with square edges on all four sides. Special 16" width makes it easy to fit between brick ties in cavity wall applications.

Complies with ASTM C578 Type X. Meets IBC/IRC requirements for foam plastic insulation. See ICC-ES NER-699, BOCA-ES RR 21-02, UL Classified, see Classification Certificate D369.



STYROFOAM™ CAVITYMATE™ Plus

An extruded polystyrene foam insulation board with square edges on all four sides. Special 16" width makes it easy to fit between brick ties in cavity wall applications.

Complies with ASTM C578 Type IV. Meets IBC/IRC requirements for foam plastic insulation. See ICC-ES NER-699, BOCA-ES RR 21-02, UL Classified, see Classification Certificate D369.



STYROFOAM™ CAVITYMATE™ SC

An extruded polystyrene foam insulation board with shiplap edges on long edges. Controls condensation, corrects steel stud thermal short, improves performance of insulating batting.

Complies with ASTM C578 Type X. Meets IBC/IRC requirements for foam plastic insulation. See ICC-ES NER-699, BOCA-ES RR 21-02, UL Classified, see Classification Certificate D369.



STYROFOAM™ CAVITYMATE™ Ultra

An extruded polystyrene foam insulation board with square edges on all four sides. Special 16" width makes it easy to fit between brick ties in cavity wall applications.

Complies with ASTM C578 Type IV. Patented carbon black technology provides high R-value per inch of thickness. Meets IBC/IRC requirements for foam plastic insulation. See ICC-ES NER-699, BOCA-ES RR 21-02, UL Classified, see Classification Certificate D369.

Technical Information

Nominal Board Thickness*	in	1/4
R-Value at 75°F Mean		1.0

Board Size: 4' x 50'

Nominal Board Thickness*	in	1	1-1/2	2
R-Value at 75°F Mean		5.0	7.5	10.0

Board Size: 16" x 8'

Nominal Board Thickness*	in	1	1-1/2	2
R-Value at 75°F Mean		5.0	7.5	10.0

Board Size: 16" x 8'

Nominal Board Thickness*	in	1	1-1/2	2
R-Value at 75°F Mean		5.0	7.5	10.0

Board Size: 4' x 8'

Nominal Board Thickness*	in	1-3/4	2-1/8
R-Value at 75°F Mean		10	12

Board Size: 16" x 8'

*Note: Not all products and sizes are available in all parts of the country. Other product sizes are available on a made-to-order basis. Please contact your Dow sales representative with questions.

Note: R means resistance to heat flow. The higher the R-value, the greater the insulating power. R-value determined by ASTM C518 unless otherwise specified.

BUILDING ENVELOPE SOLUTIONS – continued

Product and Description

Extruded Polystyrene Insulation

Building Code Compliance



STYROFOAM™ Highload 40, 60 and 100

An extruded polystyrene foam insulation board with high compressive strength developed specifically for in-ground applications and freezer floors.

Complies with ASTM C578 Types V, VI and VII. Meets IBC/IRC requirements for foam plastic insulation. See ICC-ES NER-699, BOCA-ES RR 21-02, UL Classified, see Classification Certificate D369.



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.

Complies with ASTM C578 Type IV. Meets IBC/IRC requirements for foam plastic insulation. See ICC-ES NER-699, BOCA-ES RR 21-02, UL Classified, see Classification Certificate D369.



STYROFOAM™ Scoreboard

An extruded polystyrene foam insulation board with square edges on all four sides. Scored longitudinally on 16" and 24" centers, making it easy to snap into convenient widths.

Complies with ASTM C578 Type IV. Meets IBC/IRC requirements for foam plastic insulation. See ICC-ES NER-699, UL Classified, see Classification Certificate D369.



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.

Complies with ASTM C578 Type IV. Meets IBC/IRC requirements for foam plastic insulation. See ICC-ES NER-699, BOCA-ES RR 21-02, UL Classified, see Classification Certificate D369.



STYROFOAM™ Tongue and Groove

An extruded polystyrene foam insulation board with tongue and groove edges on all four sides of 2' x 8' boards, 1" thick or less and on the long edges on all other boards.

Complies with ASTM C578 Type IV. Meets IBC/IRC requirements for foam plastic insulation. See ICC-ES NER-699, BOCA-ES RR 21-02, UL Classified, see Classification Certificate D369.



STYROFOAM™ Z-MATE™

An extruded polystyrene foam insulation board with square edges on all four sides. Its unique width fits between 24" o.c. Z-furring which saves installation time by eliminating cutting or snapping of insulation boards.

Complies with ASTM C578 Type X. Meets IBC/IRC requirements for foam plastic insulation. See ICC-ES NER-699, BOCA-ES RR 21-02, UL Classified, see Classification Certificate D369.

Technical Information

Nominal Board Thickness*	in	2	3
R-Value at 75°F Mean		10.0	15.0

Board Size: 2' x 8'

Nominal Board Thickness*	in	1-1/2	2-1/8
R-Value at 75°F Mean		7.0	10.0

Board Size: 2' x 8'

Nominal Board Thickness*	in	3/4	1	1-1/2	2	2-1/2	3
R-Value at 75°F Mean		3.8	5.0	7.5	10.0	12.5	15.0

Board Size: 4' x 8'

Nominal Board Thickness*	in	3/4	1	1-1/2	2	2-1/2	3	4
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'

Nominal Board Thickness*	in	3/4	1	1-1/2	2
R-Value at 75°F Mean		3.8	5.0	7.5	10.0

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

Nominal Board Thickness*	in	1-1/2	2
R-Value at 75°F Mean		7.5	10.0

Board Size: 23-7/8" x 8'

*Note: Not all products and sizes are available in all parts of the country. Other product sizes are available on a made-to-order basis. Please contact your Dow sales representative with questions.

Note: R means resistance to heat flow. The higher the R-value, the greater the insulating power. R-value determined by ASTM C518 unless otherwise specified.

BUILDING ENVELOPE SOLUTIONS – continued

Product and Description

Polyisocyanurate Insulation

Building Code Compliance



THERMAX™ Heavy Duty Plus

A glass-fiber-reinforced polyisocyanurate foam core faced with nominal 16.5 mil embossed white acrylic-coated aluminum sheet laminated to plain 1 mil aluminum on one side and 1 mil plain aluminum on the other side. Can be installed exposed to the interior without a thermal barrier.

Complies with ASTM C1289 Type I, Class 2. Meets IBC/IRC requirements for foam plastic insulation. See ICC-ES NER-681. FM 4880 – see Factory Mutual Approval Guide. UL Classified. Calif. Std. Reg. # CA T383.



THERMAX™ Heavy Duty

A glass-fiber-reinforced polyisocyanurate foam core faced with nominal 4 mil embossed white acrylic-coated aluminum on one side and 1.25 mil embossed aluminum on the other side. Can be installed exposed to the interior without a thermal barrier.

Complies with ASTM C1289 Type I, Class 2. Meets IBC/IRC requirements for foam plastic insulation. See ICC-ES NER-681. FM 4880 – see Factory Mutual Approval Guide. UL Classified. Calif. Std. Reg. # CA T383.



THERMAX™ Light Duty

A glass-fiber-reinforced polyisocyanurate foam core faced with nominal 1.25 mil embossed white acrylic-coated aluminum on one side and 1.25 mil embossed aluminum on the other side. Can be installed exposed to the interior without a thermal barrier.

Complies with ASTM C1289 Type I, Class 2. Meets IBC/IRC requirements for foam plastic insulation. See ICC-ES NER-681. FM 4880 – see Factory Mutual Approval Guide. UL Classified. Calif. Std. Reg. # CA T383.



THERMAX™ Metal Building Board

A polyisocyanurate foam core with an embossed aluminum foil facer on both sides. These aluminum foil facers serve to dampen the noise resulting from the system's movement when outside temperatures change. Available from 1/2" to 4-1/4" thick. Can be installed exposed to the interior without a thermal barrier.

Complies with ASTM C1289 Type I, Class 2. Meets IBC/IRC requirements for foam plastic insulation. See ICC-ES NER-681. FM 4880 – see Factory Mutual Approval Guide. UL Classified. Calif. Std. Reg. # CA T383.



THERMAX™ Sheathing

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.

Complies with ASTM C1289 Type I, Class 2. Meets IBC/IRC requirements for foam plastic insulation. See ICC-ES NER-681. FM 4880 – see Factory Mutual Approval Guide. UL Classified. Calif. Std. Reg. # CA T383, Metro-Dade NOA 02-0703.2, 02-0703.3, 04-1021.02. DOT Docket 90 Mass Transit Vehicle Insulation.



ISOCAST™ R

A patented high-performance polyisocyanurate foam core with trilaminate aluminum/poly/kraft facer for strength and high R-value per inch in precast concrete walls. Poly-coated facers are not susceptible to corrosion or chemical reaction with the concrete.

Complies with ASTM C1289 Type I, Class 1. Meets IBC/IRC requirements for foam plastic insulation. See ICC-ES NER-616. FM specification tested.



Super TUFF-R™ Commercial

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 blue; the other facer is radiant barrier-quality reflective foil.

Complies with ASTM C1289 Type I, Class 2. Meets IBC/IRC requirements for foam plastic insulation. See ICC-ES NER-616. Calif. Std. Reg. # CA T383. FM specification tested.

Technical Information

Nominal Board Thickness* in	1/2	3/4	1	1-1/4	1.55	1-3/4	2	2-1/4	2-1/2	2-3/4	3
R-Value at 75°F Mean	3.3	5.0	6.5	8.1	10.1	11.4	13.0	14.2	15.8	17.3	19.0

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

Nominal Board Thickness* in	1/2	3/4	1	1-1/4	1.55	1-3/4	2	2-1/4	2-1/2	2-3/4	3
R-Value at 75°F Mean	3.3	5.0	6.5	8.1	10.1	11.4	13.0	14.2	15.8	17.3	19.0

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

Nominal Board Thickness* in	1/2	3/4	1	1-1/4	1.55	1-3/4	2	2-1/4	2-1/2	2-3/4	3
R-Value at 75°F Mean	3.3	5.0	6.5	8.1	10.1	11.4	13.0	14.2	15.8	17.3	19.0

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

Nominal Board Thickness* in	1/2	3/4	1	1-1/4	1.55	2	2-1/2	2-3/4	3	3-1/2	4	4-1/4
R-Value at 75°F Mean	3.3	5.0	6.5	8.1	10.1	13.0	15.8	17.3	19.0	22.1	25.2	27.0

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

Nominal Board Thickness* in	1/2	3/4	1	1-1/4	1-1/2	1.55	2	2-1/2	2-3/4	3	3-1/2	4	4-1/4
R-Value at 75°F Mean	3.3	5.0	6.5	8.1	9.8	10.1	13.0	15.8	17.3	19.0	22.1	25.2	27.0

Board Size: 16" x 8'; 4' x 8'; 4' x 10'

Nominal Board Thickness* in	1.0
R-Value at 75°F Mean	6.5

Nominal Board Thickness* in	5/8	1	1-3/8	1-1/2	1-3/4	2
R-Value at 75°F Mean	4.1	6.5	8.3	9.0	11.4	12.0

Board Size: 16" x 8'; 4' x 8'; 4' x 9'

*Note: Not all products and sizes are available in all parts of the country. Other product sizes are available on a made-to-order basis. Please contact your Dow sales representative with questions.

Note: R means resistance to heat flow. The higher the R-value, the greater the insulating power. R-value determined by ASTM C518 unless otherwise specified.

BUILDING ENVELOPE SOLUTIONS – continued

Product and Description

Polyisocyanurate Insulations – continued

Building Code Compliance



TUFF-R™ Commercial

A patented high-performance polyisocyanurate foam core insulation with reflective/radiant barrier-quality aluminum foil facers on both sides.

Complies with ASTM C1289 Type I, Class 2. Meets IBC/IRC requirements for foam plastic insulation. See ICC-ES NER-616. Calif. Std. Reg. # CA T383. FM specification tested.



VALUE-R™†

Polyisocyanurate foam insulation board with radiant barrier-quality reinforced aluminum foil facers on both sides.

Complies with ASTM C1289 Type I, Class 1. Meets IBC/IRC requirements for foam plastic insulation. FM specification tested.

†Only available west of the Rocky Mountains

Spray Polyurethane Foam Insulation

Building Code Compliance



STYROFOAM™ SPF Insulation (2.0 pcf)

A two-component, 2.0 pcf density spray polyurethane foam system, designed for fast, effective insulation/air sealing for energy and moisture management around the building envelope.

Meets IBC/IRC requirements for foam plastic insulation. UL 723 Classified Class 1 at 4 inches.

Polyurethane Sealant and Adhesive Products

Building Code Compliance



FROTH-PAK™ Portable Spray Foam Kit

A two-component, quick-cure polyurethane foam that fills cavities, penetrations, cracks and expansion joints larger than 2". It can also be used as a sealant in many roofing applications. Available in a selection of densities to meet different application requirements.

UL Classified as a sealant. See CCMC 13074-R.



GREAT STUFF™ Pro Gaps & Cracks

A one-component, minimal-expanding, insulating, fireblocking penetration polyurethane foam sealant ideal for smaller gaps and penetrations less than 2". Identifiable orange color.

ICC-ES Legacy NER-645. ASTM E331, ASTM E547, ASTM C1620 and complies with AAMA 812-04 and ABAA standards for air leakage per ASTM E283. UL Classified as a sealant. See CCMC 13074-R.



GREAT STUFF™ Pro Window & Door

A one-component, minimal expanding, low pressure-build formulation polyurethane foam sealant that won't deform window and door frames. Identifiable yellow color.

ICC-ES Legacy NER-645. Conforms to AAMA 812-04 pressure-build @ 0.08 psi, ABAA standards for air leakage per ASTM E283, ASTM E331, ASTM E547, ASTM C1620. UL Classified as a sealant. See CCMC 13074-R.



GREAT STUFF™ Pro Wall & Floor Construction Adhesive

Heavy duty adhesive for attaching drywall and other wallboards as well as subfloors.

Complies with ASTM D6464, ASTM E72, ASTM D3498, HUD UM 60A and CA 25-4.

Technical Information

Nominal Board Thickness* in	1	1-1/4	1-1/2	1-7/8	2
R-Value at 75°F Mean	6.5	8.1	9.8	12.2	13.0

Board Size: 16" x 8'; 4' x 8'; 4' x 9'

Nominal Board Thickness* in	2	2-1/2	3-1/2	4
R-Value at 75°F Mean	13.0	15.8	22.1	25.3

Board Size: 16" x 8'; 4' x 8'; 4' x 9'

Technical Information

R-Value per inch ¹	6.5 (initial)
Size*	55 gal drums (one ISO, one polyol), sold by weight in lbs

A component (ISO) weighs 500 lbs
 B component (2 pcf polyol) weighs 450 lbs

¹ Aged R-value: 5.1 at 180 days, 73°F, 50% R.H. per FTC requirements

Technical Information

Cure Time ¹	Tack-free <1 min.
Density*, pcf	1.75, 2.25, 2.75

¹ Actual cure time will depend on temperature.

Cure Time ¹	Tack-free 6 mins.; trim in 30 mins.; full cure 1 hour
Size*	24 oz can, available in both gun and straw foam

¹ Actual cure time will depend on temperature, relative humidity and size of foam bead.

Cure Time ¹	Tack-free 6-9 mins.; trim in 1 hour; full cure 12 hours
Size*	20 oz can, available in both gun and straw foam

¹ Actual cure time will depend on temperature, relative humidity and size of foam bead.

Cure Time ¹	Full bond 7 days
Size*	24 oz can

¹ Actual cure time will depend on temperature and humidity.

*Note: Not all products and sizes are available in all parts of the country. Other product sizes are available on a made-to-order basis. Please contact your Dow sales representative with questions.

Note: R means resistance to heat flow. The higher the R-value, the greater the insulating power. R-value determined by ASTM C518 unless otherwise specified.

BUILDING ENVELOPE SOLUTIONS – continued

Product and Description

Building Wrap and Tape

Building Code Compliance



STYROFOAM™ WEATHERMATE™ Plus Housewrap

A non-woven, non-perforated, polyolefin-based wrap. Offers an effective option for contractors who prefer to use a building wrap as a secondary weather-resistive barrier. It is translucent to allow clear view of application surface. Superior tear resistance and outstanding durability compared to other non-woven, non-perforated wraps. Can remain uncovered for up to 120 days.

Meets IBC/IRC requirements for a weather-resistive barrier. See ICC-ES NER-640 and ICBO-ES ER-5937.



WEATHERMATE™ Construction Tape

Strong, pliable, highly adhesive tape seals joints and seams of STYROFOAM™ WEATHERMATE™ Plus housewrap and STYROFOAM™ insulated sheathings. Oriented polypropylene backing formulated with UV-treated film helps resist degradation from exposure to sunlight.

Complies with ASTM D3330 and ASTM D882.

MECHANICAL INSULATION PRODUCTS

Pipe Insulation Systems

Building Code Compliance



TRYMER™ 2000 XP Pipe Insulation

A closed-cell, water-resistant, high-performance, rigid, polyisocyanurate pipe insulation. The superior properties of TRYMER 2000 XP pipe insulation make it an ideal choice pipe insulation applications from -297°F to 300°F and, most notably, in chilled water applications.

Complies with ASTM E84. Third-party laboratory listing of 25/50 flame spread/smoke developed index up to and including 1"; 25/55 FS/SD up to and including 1.5"; 25/450 FS/SD through 6".



SARAN™ Vapor Retarder Film and Tape

A strong, tough and easy-to-apply vapor retarder system that exceeds all industry requirements for water vapor permeance. This system consists of SARAN Film on straight pipe and SARAN Tape on elbows, valves and fittings to help ensure long lifespan and a tight, water-resistant seal.

All grades of SARAN Film and Tape meet an ASTM E84 flame/smoke performance of 25/50 FS/SD or lower. This allows the use of these products as an exposed vapor retarder on pipe insulation in all areas of commercial buildings including within a return air plenum.

Technical Information

Sold in Rolls*

10' x 100'	10' x 150'	9' x 100'	9' x 150'	9' x 195'	3' x 100'	3' x 165'
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Sold in Rolls*

1-7/8" x 165'	2-7/8" x 165'
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Technical Information

Thermal Conductivity (k-factor) at 75°F and 180 days Aging ^{1,2}	0.19
Compressive Strength (psi)	24

¹k-factor expressed in Btu·in/hr·ft²·°F

²TRYMER 2000 XP is closed-cell to better resist water and water vapor. This helps to maintain thermal efficiency and minimize mold/fungus growth. TRYMER 2000 XP provides no known nutrients to contribute to the growth of mold and fungus.

Water Vapor Permeance³

SARAN 540 Film ⁴	0.02
SARAN 560 Film ⁴	0.01

³Permeance expressed in perms

⁴SARAN Vapor Retarder Film provides no known nutrients to contribute to the growth of mold/fungus.

*Note: Not all products and sizes are available in all parts of the country. Other product sizes are available on a made-to-order basis. Please contact your Dow sales representative with questions.

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STYROFOAM™ Extruded Polystyrene Insulation, TRYMER™ Polyisocyanurate Pipe 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.

WARNING: Rigid foam insulation does not constitute a working walkable surface or qualify as a fall protection product.

STYROFOAM™ WEATHERMATE™ Plus housewrap is a secondary defense against bulk water intrusion. The exterior finish is the primary water barrier.

NOTE: Dow polyurethane foam insulations contain isocyanate, hydrofluorocarbon blowing agent and polyol. Read the Material Safety Data Sheet carefully before use. Wear protective clothing, gloves and goggles and proper respiratory protection. Supplied air or an approved air-purifying respirator equipped with an organic vapor sorbent and a particle filter is required when applying spray foam in areas where applicable ACGIH, OSHA or WEEL exposure levels may be exceeded.

NOTE: Dow polyurethane foam sealants and adhesives contain isocyanate, hydrofluorocarbon or hydrocarbon blowing agent and polyol. Read the Material Safety Data Sheet carefully before use. Wear protective clothing, gloves and goggles and provide adequate ventilation and/or wear proper respiratory protection.

Building and/or construction practices unrelated to insulation 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

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