



FOAMULAR[®]

Energy-Saving, Moisture Resistant Extruded Polystyrene Rigid Insulation



GIVE YOUR CUSTOMERS
WHAT THEY WANT:
MAXIMUM
ENERGY EFFICIENCY.

COVERS THE HOME
FROM TOP TO
BELOW GRADE.



SAVING ENERGY BY PREVENTING ENERGY LOSS.

Give your customers the energy-efficient homes they want. Help grow your sales. And help protect the planet with FOAMULAR® Extruded Polystyrene Rigid Insulation from Owens Corning. It provides the highest level of defense against energy loss in residential designs.

Created by our team of building science experts, our complete line of products works everywhere from underslab to the roof to deliver:

Excellent insulating properties

Exceptional moisture resistance

Incredible ease of use

With energy costs so volatile, FOAMULAR® Insulation is an advanced building solution that's right for your business, right for your customers and right for making a more energy-efficient world.



BENEFITS

ADVANTAGES OVER THE LIFE OF THE HOME.

4

PERFORMANCE

BUILT FOR PEACE OF MIND.

8

APPLICATIONS

FROM TOP TO BOTTOM, WE'VE GOT YOU COVERED.

10

SUSTAINABILITY

GREENER HOMES FOR A GREENER PLANET.

14



BENEFITS

ADVANTAGES OVER THE LIFE OF THE HOME.



Almost all construction materials, at some time in the building construction or life cycle, are exposed to water in the form of a liquid, vapour or solid ice.

FOAMULAR® Extruded Polystyrene Insulation has a combination of characteristics that result in very low water absorption when compared to other types of insulation, which results in long-term thermal performance.

BENEFITS

LONG-TERM THERMAL RESISTANCE (LTTR)

Regardless of the manufacturing process, all foam insulations have a higher thermal resistance when first manufactured, which drops for a period of time and then levels off over the life of the product.

The following table lists the minimum LTTR values for FOAMULAR® Extruded Polystyrene Rigid Insulation when tested according to CAN/ULC S770-03.

Thickness		Aged Thermal Resistance		OC recommended aged thermal resistance (design)	
in	mm	R/in	RSI/25 mm	R/in	RSI/25 mm
1	25	5.0	0.88	5.0	0.88
2	51	5.3	0.93	5.0	0.88
3	76	5.4	0.95	5.0	0.88

Note:

In accordance with the revisions to CAN/ULC S770, the following information on bias is given: The bias of this test method has not been determined. Some preliminary data reported by the industry are showing that in certain cases, the bias could be an over prediction.

Owens Corning's historical data recommends that an R-value of 5 per inch (RSI 0.88/25 mm) be used for all design purposes.

MOISTURE PROTECTION

Water — an ever present element in building construction — gets in by design in applications like rain screen systems, or as a result of natural aging, design or construction flaws. Almost all construction applications, at some time, must resist water in the form of a liquid, vapour or solid ice.



Not all insulations, however, provide adequate water resistance necessary to meet real world construction applications. Insulation that absorbs water loses R-value and other important physical properties resulting in costly customer complaints, call-backs and damaged reputations.

Significant differences in water absorption occur when different test methods are used to measure the same property. Compared with other types of foam insulation, FOAMULAR® Insulation delivers the lowest water absorption via its moisture-resistant, uniform hydrophobic polymer cells with continuous walls.

FOAMULAR® Board Resists Moisture

Extruded Polystyrene Insulation is a closed cell, homogeneous board structure recognized for its proven durability and ability to resist moisture.

EPS Board Can Absorb Moisture

Expanded Polystyrene (EPS) insulation allows water and air to penetrate its board structure through air spaces between beads, resulting in lower R-value, greater moisture penetration and less resistance to degradation from freeze/thaw cycles.

ISO Board Can Allow Moisture Penetration

Polyisocyanurate (ISO) insulation—comprised of an irregular, brittle, open-cell structure with an inherent hydrophilic tendency—can allow water penetration.



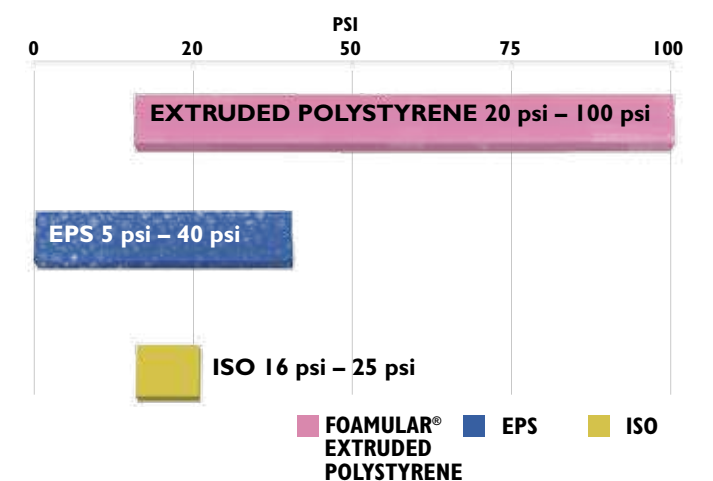
COMPRESSIVE STRENGTH

The compressive strength of FOAMULAR® Insulation, which ranges from 20 psi to 100 psi, allows designers to select an appropriate strength that may not be available with other types of foam plastic insulation.

FOAMULAR® Insulation accepts its design load with little deformation and is available in a wide variety of strengths suitable for many applications.

Unlike brittle ISO products, which tend to fracture and crush at load limits, FOAMULAR® holds its strength.

COMPRESSIVE STRENGTH COMPARISON CHART



BENEFITS

Mold protection

Unwanted moisture in building assemblies robs insulation of its effectiveness and can damage building envelope components. It can also lead to the formation of mold—and its associated problems can be costly to remediate.

Mold requires three things to develop:

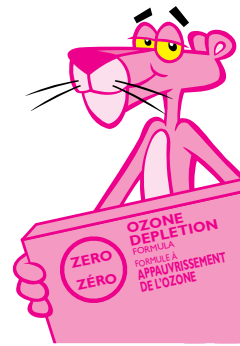
1. Moisture
2. Food source
3. Certain temperature range

FOAMULAR® Insulation will not corrode, rot or support the growth of mold and mildew.

FOAMULAR® Insulation is made from inert plastic and other raw materials that do not contain a natural food source to support mold growth. It has been tested by an independent, third-party laboratory per ASTM C 1338² Standard Test Method for determining the Fungi Resistance of Insulation Materials and Facings, and found not to support fungi growth. When properly installed

on exterior framing, it will provide a continuous layer of insulation helping maintain warmer temperatures within the wall cavity, which reduces the potential for condensation to occur.

FOAMULAR® Insulation's low water absorption rate ensures that exposure to any moisture source won't affect the product's long-term durability and performance.



2. ASTM C 1338, Fungi Resistance of Insulation Materials and Facings, ASTM International, 100 Barr Harbor Drive, P.O. Box C700, West Conshohocken, PA 19428-2959.

STANDARD SIZES FOAMULAR® EXTRUDED POLYSTYRENE RIGID INSULATION							FOAMULAR® HIGH DENSITY SERIES			
STANDARD SIZES ⁽¹⁾	FOAMULAR® INSULPINK®	FOAMULAR® CEL-LOK® SYSTEM	FOAMULAR® CODEBORD®	FOAMULAR® C-200	FOAMULAR® THERMAPINK®	FOAMULAR® C-300	400	600	1000	350 ⁽²⁾
1 x 24 x 96" 25 x 610 x 2438 mm		X	X	X		X	X	X		
1½ x 24 x 96" 38 x 610 x 2438 mm		X	X	X		X	X	X	X	X
2 x 24 x 96" 51 x 610 x 2438 mm	X	X	X	X	X	X	X	X	X	X
2½ x 24 x 96" 64 x 610 x 2438 mm	X			X		X				X
3 x 24 x 96" 76 x 610 x 2438 mm				X	X	X	X	X		X
3.25 x 24 x 96" 83 x 610 x 2438 mm	X									
3½ x 24 x 96" 89 x 610 x 2438 mm				X		X				
4 x 24 x 96" 102 x 610 x 2438 mm				X	X	X	X			X
1 x 48 x 96 or 108" 25 x 1220 x 2438 or 2743 mm			X							
1½ x 48 x 96 or 108" 38 x 1220 x 2438 or 2743 mm			X							
2 x 48 x 96 or 108" 51 x 1220 x 2438 or 2743 mm			X							
CAN/ULC-S701 ⁽³⁾	Type 3	Type 3	Type 3	Type 3	Type 3	Type 4	Type 4	Type 4	Type 4	Type 4
CCMC Evaluation No.	I3431-L	I3431-L	I3431-L	I3431-L	I3431-L	I3430-L				I3430-L

(1) Enquiries on non-standard sizes are welcome (2) Standard sizes for Foamular® 350 are thickness by 24" x 48" (3) Replaces CAN/CGSB-51.20-M

BENEFITS

PRODUCT SELECTION GUIDE FOAMULAR® EXTRUDED POLYSTYRENE RIGID INSULATION					
PRODUCT	COMPRESSIVE STRENGTH	TYPE PER CAN/ULC S701	SCS CERTIFIED	GG CERTIFIED	CONSTRUCTION APPLICATION
WALLS					
FOAMULAR® C-200	20 lbs/in ²	3	20%	X	Masonry walls, steel stud walls, wood stud walls
FOAMULAR® CodeBord®	20 lbs/in ²	3	20%	X	
FOAMULAR® Cel-Lok® System	20 lbs/in ²	3	20%	X	Interior of concrete or masonry foundation walls
FOAMULAR® C-300	30 lbs/in ²	4	20%	X	Perimeter of concrete or masonry foundation walls
FOAMULAR® INSULPINK®	20 lbs/in ²	3	20%	X	Interior of concrete or masonry or exterior walls to attach siding
ROOFS					
FOAMULAR® 350	35 lbs/in ²	4	20%	X	Inverted roofs, terraces
FOAMULAR® THERMAPINK®	20 lbs/in ²	3	20%	X	Conventional roofs
HIGH DENSITY SERIES					
FOAMULAR® 400	40 lbs/in ²	4	20%	X	High compressive strength, under roads, concrete slabs
FOAMULAR® 600	60 lbs/in ²	4	20%	X	
FOAMULAR® 1000	100 lbs/in ²	4	20%	X	

**INSULATION PHYSICAL PROPERTIES
FOAMULAR® EXTRUDED POLYSTYRENE RIGID INSULATION**

HIGH DENSITY SERIES

PROPERTIES	ASTM Method	FOAMULAR® INSULPINK®	FOAMULAR® Cel-Lok® System ⁽²⁾	FOAMULAR® CodeBord®	FOAMULAR® C-200 ⁽²⁾	FOAMULAR® THERMAPINK®	FOAMULAR® C-300	FOAMULAR® 400	FOAMULAR® 600	FOAMULAR® 1000	FOAMULAR® 350
THERMAL RESISTANCE ⁽¹⁾ (ft ² hr °F/BTU) (m ² °C/W)	C518 C177	5.0 0.88	5.0 0.88	5.0 0.88	5.0 0.88	5.0 0.88	5.0 0.88	5.0 0.88	5.0 0.88	5.0 0.88	5.0 0.88
COMPRESSIVE STRENGTH, min. ⁽³⁾ (psi) (kPa)	D1621	20 140	20 140	20 140	20 140	20 140	30 210	40 275	60 415	100 690	35 240
COMPRESSIVE MODULUS: (psi) (kPa)							1350 9310	1100 7584	1520 10480	3700 ⁽⁴⁾ 25510 ⁽⁴⁾	
WATER ABSORPTION, max. (% by volume)	D2842	0.70	0.70	0.70	0.70	0.70	0.70	0.60	0.55	0.50	0.70
WATER VAPOUR PERMEANCE, max. (perms) (ng/Pa.s.m ²)	E96	0.85 45	0.85 45	0.85 45	0.85 45	0.85 45	0.60 35	- -	- -	- -	0.60 35
WATER CAPILLARITY	-	None	None	None	None	None	None	None	None	None	None
WATER AFFINITY	-	Hydrophobic	Hydrophobic	Hydrophobic	Hydrophobic	Hydrophobic	Hydrophobic	Hydrophobic	Hydrophobic	Hydrophobic	Hydrophobic
FLEXURAL STRENGTH, typical (psi) (kPa)	C203	44 300	44 300	44 300	44 300	44 300	60 415	75 517	105 725	150 1035	60 415
LINEAR COEFFICIENT OF THERMAL EXPANSION (in/in/°F) (mm/mm/°C)	D696	2.7 X 10 ⁻⁵ 4.9 X 10 ⁻⁵	2.7 X 10 ⁻⁵ 4.9 X 10 ⁻⁵	2.7 X 10 ⁻⁵ 4.9 X 10 ⁻⁵	2.7 X 10 ⁻⁵ 4.9 X 10 ⁻⁵	2.7 X 10 ⁻⁵ 4.9 X 10 ⁻⁵	2.7 X 10 ⁻⁵ 4.9 X 10 ⁻⁵	2.7 X 10 ⁻⁵ 4.9 X 10 ⁻⁵	2.7 X 10 ⁻⁵ 4.9 X 10 ⁻⁵	2.7 X 10 ⁻⁵ 4.9 X 10 ⁻⁵	2.7 X 10 ⁻⁵ 4.9 X 10 ⁻⁵
DIMENSIONAL STABILITY, max. (% linear change)	D2126	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
MAXIMUM OPERATING TEMP. (°F) (°C)	- -	165 74	165 74	165 74	165 74	165 74	165 74	165 74	165 74	165 74	165 74
LIMITING OXYGEN INDEX	(min.) D2863	24	24	24	24	24	24	24	24	24	24
Thermal Resistance: ft ² hr °F/BTU; (m ² °C/W)											
@75 °F (24° Celcius)		5.0 (0.88)	5.0 (0.88)	5.0 (0.88)	5.0 (0.88)	5.0 (0.88)	5.0 (0.88)	5.0 (0.88)	5.0 (0.88)	5.0 (0.88)	5.0 (0.88)
@40 °F (4.4° Celcius)		5.4 (0.95)	5.4 (0.95)	5.4 (0.95)	5.4 (0.95)	5.4 (0.95)	5.4 (0.95)	5.4 (0.95)	5.4 (0.95)	5.4 (0.95)	5.4 (0.95)
@25 °F (-4° Celcius)		5.6 (0.99)	5.6 (0.99)	5.6 (0.99)	5.6 (0.99)	5.6 (0.99)	5.6 (0.99)	5.6 (0.99)	5.6 (0.99)	5.6 (0.99)	5.6 (0.99)

(1) Thermal resistance for 1 inch (25 mm) thickness (2) C-200 and Cel-Lok® System have the same properties (3) At 10% deformation or yield (4) Value for 2" (50 mm) thickness

- Certified Performance – Owens Corning Canada, Inc. will provide test certification for published physical properties pertaining to FOAMULAR® Insulation products.
- Jobsite Handling – To protect FOAMULAR® Insulation and to prevent discoloration and/or surface deterioration caused by excessive exposure to direct sunlight, it is recommended that in exterior applications, the product be covered as soon as practicable.
- Vapour Retarders – Assemblies should be evaluated for effectiveness and location of vapour retarders to avoid condensation and subsequent damage to structures. Vapour retarders shall be chosen and applied in accordance to applicable Codes for desired assembly.

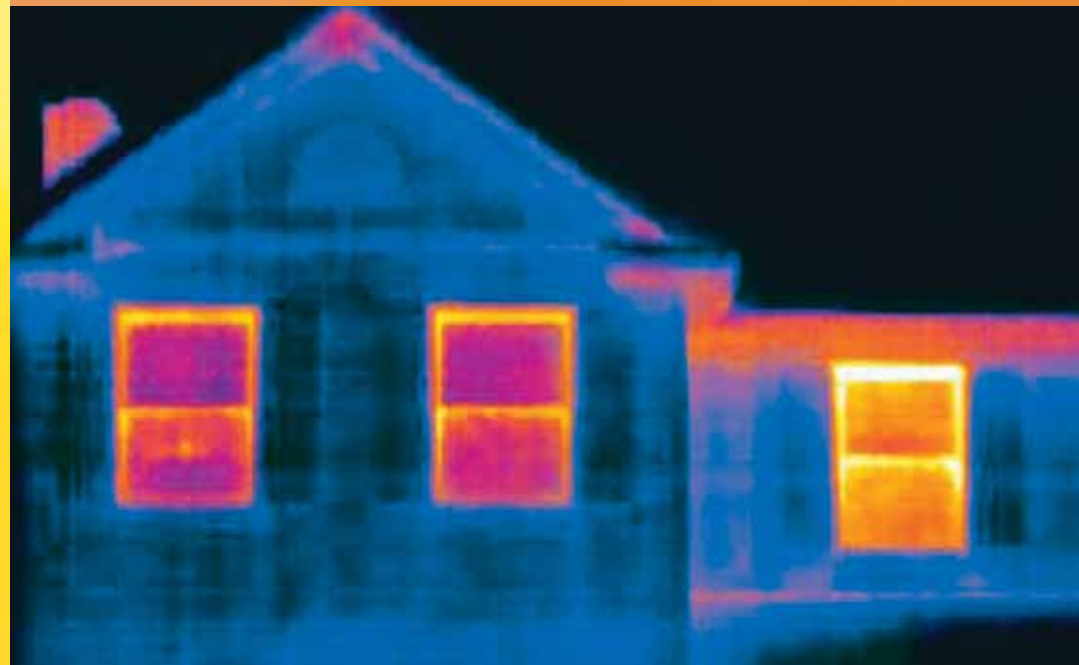
- Air and Water Infiltration – All air and water infiltration requirements for a designed assembly shall conform to applicable building codes.
- Flame Spread Classification – ULC flame spread classification of greater than 25 and less than 500 according to CAN/ULC-S102.2 (tunnel floor test).
- Warning: Combustible – FOAMULAR® Insulations are combustible and can be a fire hazard if improperly used or installed. Though they contain a flame retardant to inhibit ignition they will ignite if exposed to fire of sufficient intensity. Do not expose them to open flame or other ignition sources during shipping, handling, storage, installation or use.
- Interior Protection – When used in buildings for human occupancy, FOAMULAR® Insulation must be protected by a minimum

- 1/2" (12.7mm) thick gypsum board, or approved equal, covering surfaces exposed after installation. Boards must be mechanically fastened in place as prescribed by the applicable building code.
- Adhesives/Sealants – Some of these products contain solvents that attack polystyrene insulation. Consult manufacturer to verify the chemical compatibility of solvents/sealants with FOAMULAR® Insulation.
- Chemicals – FOAMULAR® Insulation has good chemical resistance to many acids, caustics, salts, cements and mortars and poor resistance to some hydrocarbons and a number of other petroleum derivatives. Be sure to check with the supplier of the item regarding chemical compatibility.

Notice: We trust the information given herein will be helpful. It is based on data and knowledge considered to be true and accurate and is offered for the user's consideration, investigation and verification. Please read all statements, recommendations or suggestions in conjunction with out conditions of sale which apply to all materials supplied by us. We shall not be liable for incidental and consequential damages, directly or indirectly sustained, nor for any loss caused by application of our material is not in accordance with our current printed instructions or for other than their intended use. Our liability is expressed limited to replacement of defective goods. Any claim shall be deemed waived unless made to us in writing within thirty (30) days from the date when the basis for it was, or reasonably should have been, discovered.

PERFORMANCE

BUILT FOR PEACE OF MIND.



Not every rigid insulation board is built the same. Differences in the base chemistry and types of manufacturing processes create dramatically different board structures and performance.

Three types of rigid foam insulation dominate the industry today. They look, feel and deliver dramatically different performance.

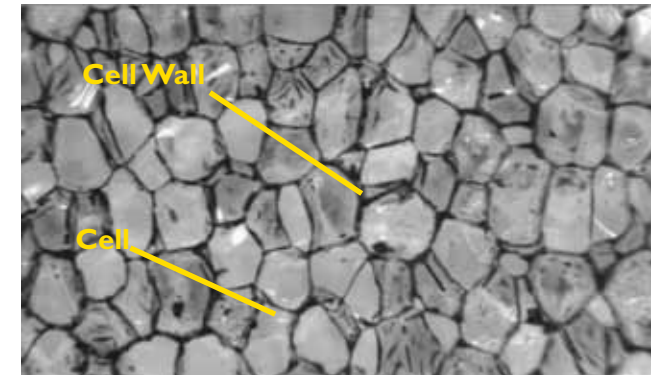
PERFORMANCE

COMPARING RIGID FOAM INSULATIONS

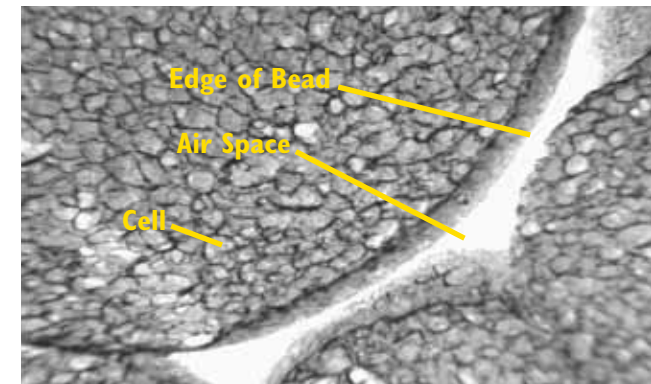
Rigid board foam plastic insulation must be strong, moisture resistant and maintain its R-value for the life of the building in conditions that are sometimes unfavorable.

The three types of rigid foam insulation are very different:

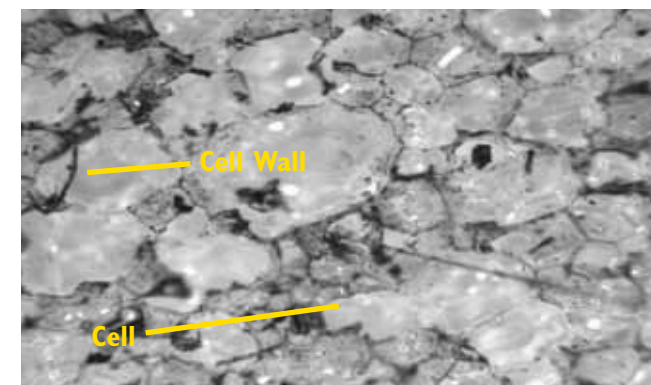
- **FOAMULAR® Extruded Polystyrene Rigid Insulation** is a thermoplastic polystyrene board made in an extrusion process resulting in a durable homogenous cross section



- **Expanded Polystyrene (EPS)** is a collection of thermoplastic beads pressed together in a mold under heat and pressure



- **ISO or Polyiso** is a thermoset plastic manufactured in a continuous lamination process using liquid raw material that expands between facing materials



Extruded Polystyrene (XPS), which includes FOAMULAR® Insulation, does not have individual beads like EPS that can fall apart. It is not brittle like ISO, and it does not depend on facers for certain properties as ISO does. Facers may delaminate and cause installation and durability problems.

Expanded Polystyrene (EPS) insulation has air spaces between its beads, allowing water and air to penetrate the board structure, which lowers the R-value of the board.

Polyiso (ISO) insulation has an irregular, more open cell structure that, combined with the material's hydrophilic chemical tendency, results in higher water absorption compared to FOAMULAR® Insulation.

Due to their high levels of water absorption, both polyiso and EPS are not reusable when they become wet due to roofs leaks.

All foam plastic insulations are combustible. Although they do contain a flame-retardant additive to inhibit ignition from small fire sources, if exposed to fire of sufficient heat and intensity, FOAMULAR® insulation and other foam plastic insulations will ignite. Do not expose these products to open flame during shipping, storage, installation or use. A code compliant thermal barrier must be used to separate foam plastic insulation from the building interior. Consult local applicable Building Code for specific requirements and acceptable thermal barriers.

Comparing Test Methods



Published properties for foam plastic insulations are not always directly comparable. Different test methods may be used to measure the same properties for different types of insulation. To fully understand how the materials compare, ask questions. If different methods are used to measure performance, they should

be identified because not doing so may conceal significant differences in properties or performance. Materials must be tested in accordance to the test methods defined in the Canadian material standard CAN/ULC-S701 and referenced in the applicable Building Code.



APPLICATIONS

FROM TOP TO BOTTOM,
WE'VE GOT YOU COVERED.



FOAMULAR® insulation is the only choice for below-grade applications where the continuous presence of moisture can rob other products of their performance.

Unlike competitive foam products that absorb moisture, FOAMULAR® Insulation's high resistance to water absorption enables it to retain its properties while in constant contact with underground moisture.

APPLICATIONS

XPS with its high compressive strength and low water absorption, makes it an ideal choice for below-grade horizontal and vertical applications, such as frost-protected shallow foundations and slabs.

Below grade

FOAMULAR® insulation products protect against energy loss below grade, a significant source of residential energy loss. Its high water resistance makes it the ideal choice to protect against the constant and relentless presence of moisture throughout a home's useful life.

Below-slab radiant heating

FOAMULAR® insulation reduces common sources of heat loss in radiant heating systems. Its high R-value doesn't degrade in the presence of moisture and its compressive strength makes it an ideal insulating solution for horizontal applications.

Foundation walls

On foundation walls, FOAMULAR® not only provides excellent insulation for the wall, but it also provides protection from backfill damage for damp-proofing or waterproofing membranes.

Under concrete floors

FOAMULAR® insulation is available in a variety of compressive strengths uniquely suitable for use under interior slabs including basement or garage floors. It's even strong enough to walk on during slab reinforcement and concrete placements.

Frost-protected shallow foundations

In cases where local soil conditions make it impractical or uneconomical to install a full-depth foundation, FOAMULAR® insulation provides an efficient insulation option. When used to protect foundations from frost penetration, FOAMULAR® insulation insulates the ground, slowing the rate of heat loss and, thus preventing frost penetration which can cause structural uplift.

A suitable vapour barrier, such as a 6-mil-thick polyethylene sheet, should be used between the foam and the concrete slab. Consult applicable building code for specific requirements.

Exterior walls

Today's residential building codes require incorporation of a moisture barrier in exterior wall construction.

FOAMULAR® Insulating Sheathing products offer both the benefit of providing continuous insulation and a water-resistant barrier with its ship lapped edges or by taping the joints with a compatible membrane (tape).

Use of FOAMULAR® Insulating Sheathing products under finished cladding can generate significant energy savings. Whether used to replace or supplement oriented strand board (OSB) or similar wood cladding products, FOAMULAR® insulation helps augment those products' scarce insulating properties and increase the R-value of the total wall assembly.

Structural wall framing

Structural wall framing represents between 20–25% of the entire home wall area in today's homes. Insulating sheathing such as FOAMULAR® Insulating Sheathing (IS) creates a protective thermal envelope around the entire building perimeter, reducing energy losses due to thermal bridging through wood or metal framing. This helps reduce energy consumption and increases homeowner comfort.

Built to perform, FOAMULAR® sheathing products deliver reduced handling and incidental site damage, which results in improved efficiency and less job site loss for the builder.

FOAMULAR® IS installed with ship lapped edges or taped seams provide the required moisture barrier protection required by code for exterior wall systems. A separate sheathing membrane over FOAMULAR® is optional.

Continuous insulation

Rising energy costs have led to mandated building codes requiring continuous wall insulation in colder climates. Continuous insulation reduces energy loss due to thermal bridging through steel studs or solid masonry construction.



Evidenced in the blue areas above, continuous insulation greatly reduces energy loss by preventing it from leaking out of walls.

APPLICATIONS

Province of Ontario

2"x 6" Exterior Wall with Wood Sheathing and R-19 FIBERGLAS Batts in Cavity Brick Veneer

Wall Assembly	Thermal Resistance	
	Through Stud (R)	Through Cavity(R)
Interior Air Film	0.68	0.68
1/2" Drywall	0.45	0.45
Vapour Barrier	0	0
R-19 FIBERGLAS Batts in Cavity	0	19.00
2" x 6" Wood Studs	6.44	0
Total Nominal Thermal Resistance for Inboard Part of Wall (R)		20.13
OSB	0.69	0.69
Sheathing membrane	0.00	0.00
Air Space	1.02	1.02
Brick Veneer (3.5" clay brick)	0.42	0.42
Exterior Air Film	0.17	0.17
Total Nominal Thermal Resistance for Outboard Part of Wall (R)		2.30
TOTAL THERMAL RESISTANCE OF WALL ASSEMBLY (R)		22.43
TOTAL THERMAL RESISTANCE OF INSULATION MATERIALS ONLY (R)		19.00
EFFECTIVE THERMAL RESISTANCE OF WALL (R)		17.35
RATIO (OUTBOARD/INBOARD)	0.11	

Province of Ontario

2"x 6" Exterior Wall Using 1" FOAMULAR® CodeBord (R-5) Insulating Sheathing and R-19 FIBERGLAS Batts in Cavity Brick Veneer

Wall Assembly	Thermal Resistance	
	Through Stud (R)	Through Cavity(R)
Interior Air Film	0.68	0.68
1/2" Drywall	0.45	0.45
Vapour Barrier	0	0
R-19 FIBERGLAS Batts in Cavity	0	19.00
2" x 6" Wood Studs	6.44	0
Total Nominal Thermal Resistance for Inboard Part of Wall (R)		20.13
1" FOAMULAR® CodeBord insulating sheathing (R-5)	5.00	5.00
Air Space	1.02	1.02
Brick Veneer (3.5" clay brick)	0.42	0.42
Exterior Air Film	0.17	0.17
Total Nominal Thermal Resistance for Outboard Part of Wall (R)		6.61
TOTAL THERMAL RESISTANCE OF WALL ASSEMBLY (R)		26.74
TOTAL THERMAL RESISTANCE OF INSULATION MATERIALS ONLY (R)		24.00
EFFECTIVE THERMAL RESISTANCE OF WALL (R)		22.21
RATIO (OUTBOARD/INBOARD)	0.33	

APPLICATIONS

Technical update

Owens Corning recommends that, when installed above-grade, FOAMULAR® insulation be covered with appropriate cladding or coating material to prevent sun damage.

Building code requirements mandate that when used in a living space, all foam plastics including XPS, EPS and ISO be covered with an approved thermal barrier, such as drywall or gypsum board.

Interior basement walls

FOAMULAR® insulation's excellent moisture resistance and high R-value make it a great product choice for insulating interior basement walls. It is easy to attach with furring strips or other methods.

Custom-designed FOAMULAR® INSULPINK® panels, designed specifically for use in insulating interior basement walls, combine trusted FOAMULAR® insulation benefits like low water absorption and high R-value with a specially designed edge configuration.

When FOAMULAR® INSULPINK® panels are installed adjacent to each other, the specially designed edge forms a recess that allows a 1" x 3" furring strip to be inlaid into the recess. The furring strip and foam can be mechanically fastened to the wall, leaving a flush surface to install drywall.

This design provides a continuous insulation layer behind the furring strip, thus eliminating thermal short circuits and thereby maintaining thermal efficiency and improving living comfort.

A FAMILY OF PRODUCTS FOR ANY APPLICATION.



Owens Corning foam accessories work in conjunction with foam insulation products to provide the most complete system for thermal efficiency and moisture resistance. And together with fiber glass insulation, FOAMULAR® insulation is part of the Owens Corning portfolio of trusted insulation products.

ACCESSORIES

raft-R-mate® Rafter Vents

Can be installed in an attic to prevent insulation from blocking the eave or soffit vents. Allows attics to have unobstructed airflow from the soffit to the eaves to provide adequate attic ventilation.

FoamSealR™ Sill Plate Gasket

¼" sill plate gasket installed on the top of a foundation wall. Fills the gap between the sill plate and the top of the foundation wall for a tight, uniform fit sealing out air moisture and insects.





SUSTAINABILITY

GREENER HOMES FOR A GREENER PLANET.



Owens Corning understands the importance of operating in ways that meet the needs of the present without compromising the world we leave to the future.

Protective products like FOAMULAR® insulation have their own sustainable attributes and, more important, they enable sustainable building design solutions.

SUSTAINABILITY

SUSTAINABLE BUILDING

FOAMULAR® Insulation is durable and recyclable with a proven history of removal and reuse eliminating hauling and landfill fees and associated environmental impact.

With FOAMULAR® Insulation, new insulation does not need to be manufactured, shipped and installed, unlike other types of foam plastic insulation that don't have the water resistance and durability necessary to be removed and reused.

THIRD PARTY CERTIFICATION



RECYCLED CONTENT

FOAMULAR® Insulation is SCS certified for its recycled content of at least 20%¹. It helps make possible the design of energy efficient building envelopes, and it contributes to the total recycled content of projects.

Production Facts

- 100% scrap reclamation
- Zero Landfill waste



AIR QUALITY

GREENGUARD Indoor Air Quality Certified®

FOAMULAR® Insulation is the only extruded polystyrene insulation product certified by the GREENGUARD Environmental Institute under the GREENGUARD Standard for Low Emitting Products.

60% of the companies that submit products for GREENGUARD Children & Schools certification do not get certified.



PERFECT FOR GREEN BUILDINGS

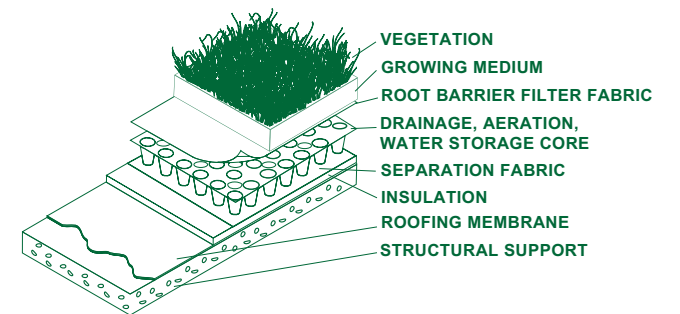
The single largest point scoring opportunity in the LEED® Green Building Rating System is in levels of energy performance above that prescribed in ASHRAE 90.1 or Model National Energy Code of Canada for Buildings 1997.

FOAMULAR® continuous insulation sheathing over steel studs, wood studs, or in masonry walls, enables buildings to achieve LEED® energy efficiency design goals and standards.

FOAMULAR® XPS ENVIRONMENTAL BENEFITS

- manufactured without CFC or HCFCs and is compliant to the Montreal Protocol (2010).
- Zero ozone depletion
- No VOCs (volatile organic compounds)
- 70% lower global warming potential

RAISING THE ROOF ON GREEN STANDARDS



FOAMULAR® Insulation supports energy efficient building design, enabling innovative roof surfaces that help manage storm water run-off and contribute to the total recycled content of projects.

Durable and water resistant, FOAMULAR® Insulation works even when buried under wet soil and enables the creation of vegetated roofs, a critical component of sustainable design.

¹ Scientific Certification Systems— independent, third-party and certification service for recycled content—certified FOAMULAR® Insulation to have at least 20% pre-consumer recycled polystyrene based on a weighted 3-plant average. See www.scs-certified.com



FOAMULAR®

**GIVE YOUR CUSTOMERS
WHAT THEY WANT:**

**MAXIMUM
ENERGY EFFICIENCY.**

**COVERS THE HOME
FROM TOP TO
BELOW GRADE.**



For technical inquiries call 1-800-504-8294
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Consult our website at www.owenscorning.ca
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