

Polyform

A division of Polymos Group

Innovative Insulation Solutions

Authorized Distributor





UNIFOAM®

Custom-Cut Insulation Panel

Type 1, Type 2, Type 3, and Type 4

Applications

- Under and over concrete slabs
- Interior and exterior walls
- Interior and exterior foundation walls
- Roofs and ceilings

Benefits

- Easy to install
- Resistant to water and freeze-thaw conditions
- Excellent compressive strength
- Permanent insulating value that does not diminish over time

Technical Specifications

UNIFOAM®

Type 2



The expanded polystyrene used to manufacture UNIFOAM® is Intertek certified (ETL Listed) in accordance with ULC S701

Thickness

R-Value

1"

R4.00

1 1/4"

R5.00

1 1/2"

R6.00

1 3/4"

R7.00

1 7/8"

R7.50

2"

R8.00

2 1/2"

R10.00

3"

R12.00

4"

R16.00

Available Sizes

24" x 24"

24" x 96"

48" x 96"

48" x 108"

*Other sizes and densities available.

Cut Profiles



Shiplap Cut

Thicknesses of 1" and greater



Drainage Cut

Thicknesses of 1" and greater



Square Cut

All thicknesses



Insert Cut

Thicknesses of 1" and greater



Tongue and Groove

Thicknesses of 1" and greater





UNIFOAM[®] insert

Three-Groove Insulation Panel

With or without integrated furring strips

Applications

- On concrete slabs
- Interior and exterior walls
- Interior foundation walls
- Ceilings

Benefits

- Easy to install
- Eliminates thermal bridging
- Vertical or horizontal installation
- Permanent insulating value that does not diminish over time

Installation Guide

- 1 Prepare the surface. Walls, floors, and ceilings must be clean and level
- 2 Position the panels
 - Walls: fasten to concrete through the furring strips
 - Ceilings: install beneath the joists
 - Floors: place directly on the concrete
- 3 Seal the joints. Leave approximately 1/2 in. of clearance at the ends
- 4 Install the appropriate finish

Technical Specifications

UNIFOAM[®]
insert
Type 1



The expanded polystyrene used to manufacture UNIFOAM[®] is Intertek certified (ETL Listed) in accordance with ULC S701

Thickness

2 5/8"

3 7/8"

R-Value

R9.71

R14.34

Available Sizes

48" x 96"

48" x 108"

*Other sizes and densities available



UNIFOAM[®]
insert plus

With
Furring Strips





NOVOFOIL®

Vapour-Barrier Insulation Panel

Applications

- Interior walls
- Interior foundation walls
- Ceilings

Benefits

- Insulates interior wall surfaces
- Reflects radiant heat
- Eliminates thermal bridging
- Easy to install with 8-inch marks
- Permanent insulating value that does not diminish over time
- Complies with CCMC Evaluation Report 14205-R
- Suitable for certified Novoclimat wall assemblies



Technical Specifications

NOVOFOIL®

Type 1



The expanded polystyrene used to manufacture NOVOFOIL® is Intertek certified (ETL Listed) in accordance with **ULC S701**

Thickness

R-Value

1/2"

R1.94

1"

R3.87

1 1/2"

R5.81

2"

R7.74

2 1/2"

R9.68

3"

R11.61

Available Sizes

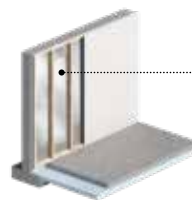
48" x 96"

48" x 108"

*Other sizes and densities available.

Installation Guide

- 1 Install the panels on walls or ceilings with the reflective barrier facing the building interior



Vapour barrier
Toward the interior of the building →

- 2 Seal all joints with vapour barrier tape
- 3 Install wood furring strips between the Novofoil panel and the drywall

NOVOFOIL®
graphite

Enhanced with graphite particles, NOVOFOIL Graphite delivers up to **19% higher thermal performance**, with an R-value of 4.6 per inch versus R-3.87 per inch for standard NOVOFOIL.



AIRCLAD®

Air-Barrier Insulation Panel

Applications

- Exterior walls
- Residential, commercial, and industrial construction

Benefits

- Allows walls to breathe
- Improves energy efficiency by reducing thermal bridging
- Reduces the risk of mold growth
- Reduces air infiltration and heat loss
- Provides excellent airtightness
- Easy to install with 8-inch marks



Technical Specifications

AIRCLAD®

Type 2



The expanded polystyrene used to manufacture AIRCLAD® is Intertek certified (ETL Listed) in accordance with ULC S701

Thickness

1"

1 1/2"

2"

R-Value

R4.00

R6.00

R8.00

Available Sizes

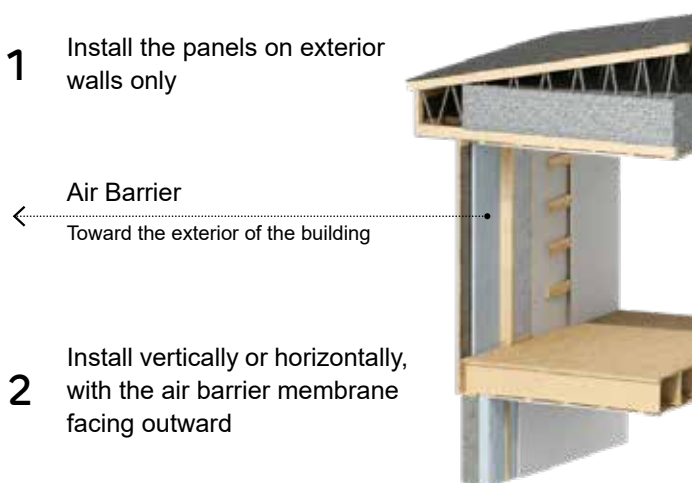
48" x 96"

48" x 108"

*Other sizes and densities available.

Installation Guide

- 1 Install the panels on exterior walls only
- 2 Install vertically or horizontally, with the air barrier membrane facing outward
- 3 Secure with mechanical fasteners
- 4 Seal all joints with air barrier tape, aligning the tape with the wall studs



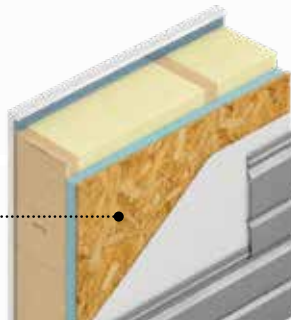
POLYLAM[®]

OSB-Laminated EPS Insulation Panel

Applications

- Exterior walls

Perforated OSB Panel



Technical Specifications

POLYLAM[®]
Type 2



The expanded polystyrene used to manufacture POLYLAM[®] is Intertek certified (ETL Listed) in accordance with ULC S701

Available Sizes

48" x 96"

48" x 108"

*Other sizes and densities available.

Composition and Thickness

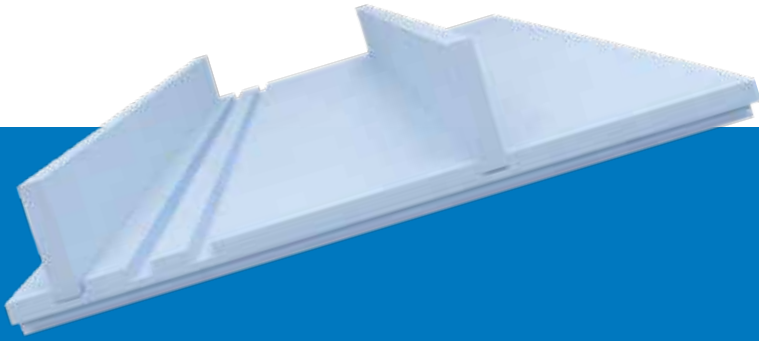
Type 2 EPS	7/8" (22.2 mm)
Perforated OSB	7/16" (11.1 mm)
Total Thickness	1-5/16" (33.3 mm)

Benefits

- Continuous insulation and structural sheathing in a single step
- Reduces thermal bridging and improves energy efficiency
- Rigid surface for fast and efficient installation
- Designed for new construction and renovation projects
- Compatible with most cladding systems and ventilated wall assemblies



ISOMAX®



Continuous Footing Insulation System

Applications

- Foundations and continuous footings

Benefits

- Formwork and insulation combined in a single product
- Reduces excavation requirements
- Reduces concrete usage
- Permanent insulating value that does not diminish over time
- Lightweight system for easy handling
- Durable solution made from 100% recyclable EPS



Technical Specifications

ISOMAX®

Type 2 HD



The expanded polystyrene used to manufacture ISOMAX® is Intertek certified (ETL Listed) in accordance with ULC S701

Description	Dimension	Thickness	R-Value
Molded grooved panel	12" x 96"	4"	R16.60
Inside corner	48" x 48"	4"	R16.60
Outside corner	48" x 48"	4"	R16.60
Form panel	12" x 96"	2 1/2"	R10.38

Installation video available on YouTube!



Compare our products

ISOMAX®

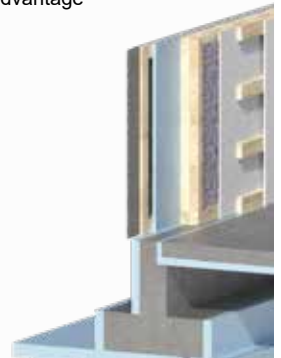
ISOMAX®
integral

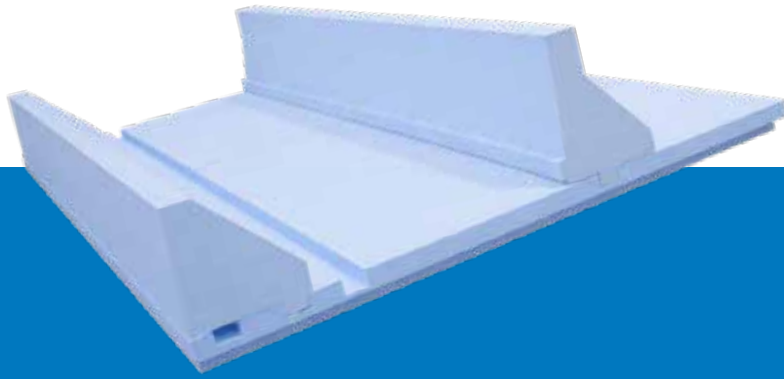
- Insulating formwork for continuous footings
- Permanent footing insulation
- Integrated under-slab insulation
- Thermal continuity between the footing and slab
- All-in-one system
- Reduced thermal bridging
- Simplified installation
- Overall energy performance



Legend

- ✓ Standard feature
- ★ Key advantage





ISOMAX[®]

integral

Complete Footing Insulation System

Applications

- Foundations and continuous footings

Benefits

- Simplifies installation with dedicated prefabricated components (form sides and integrated corners)
- Provides superior insulation continuity at corners, reducing the risk of thermal bridging
- Simple and precise assembly at corners and joints
- Saves installation time and labor
- Permanent insulating value that does not diminish over time
- Durable solution made from 100% recyclable EPS

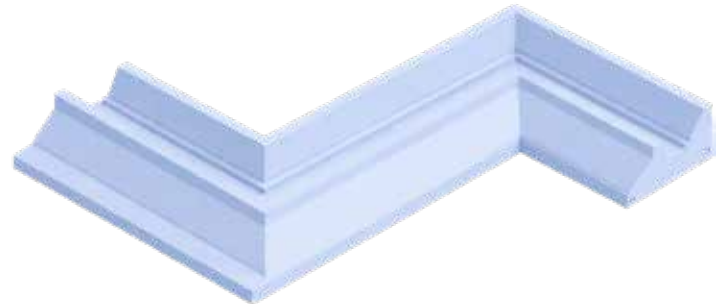
Technical Specifications

ISOMAX[®]
integral
Type 2 HD



The expanded polystyrene used to manufacture ISOMAX[®] is Intertek certified (ETL Listed) in accordance with ULC S701

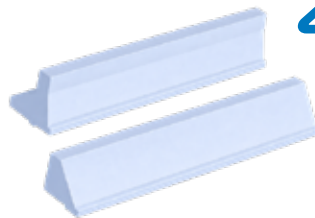
Description	Dimension	Thickness	R-Value
Molded grooved panel	66" x 50"	4"	R16.60
Inside corner	48" x 50"	4"	R16.60
Outside corner	48" x 50"	4"	R16.60
Form side	10" x 96"	2 1/2"	R10.38
Form side	15" x 96"	2 1/2"	R10.38



Assembled ISOMAX[®] Integral unit

1

2

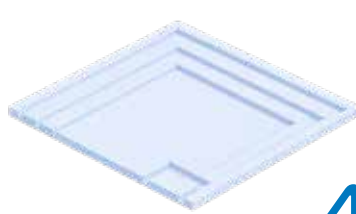
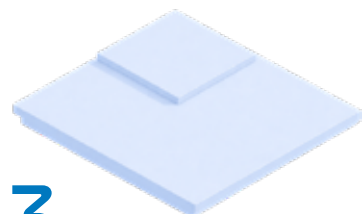


Straight panel

Form sides

Outside corner

Inside corner



3

4

Installation Guide

- 1 Install the universal corners first
Components 3 and 4
- 2 Install the straight panels
Component 1
- 3 Install the form sides
Component 2
- 4 Place the reinforcing steel and pour the concrete



POLYROC®

Concrete-Finished Insulation Panel

Applications

- Above-grade exterior foundation walls

Benefits

- Lightweight and easy to handle
- Removable and reusable
- Easy to cut
- Pre-grooved for anchor installation



Technical Specifications

POLYROC® Type 2



The expanded polystyrene used to manufacture POLYROC® is Intertek certified (ETL Listed) in accordance with ULC S701

Total thickness

2 1/4"

2 3/4"

3 1/4"

4"

R-Value

R9.00

R11.00

R13.00

R16.00

Available Sizes

21" x 48"

*Other sizes and densities available.

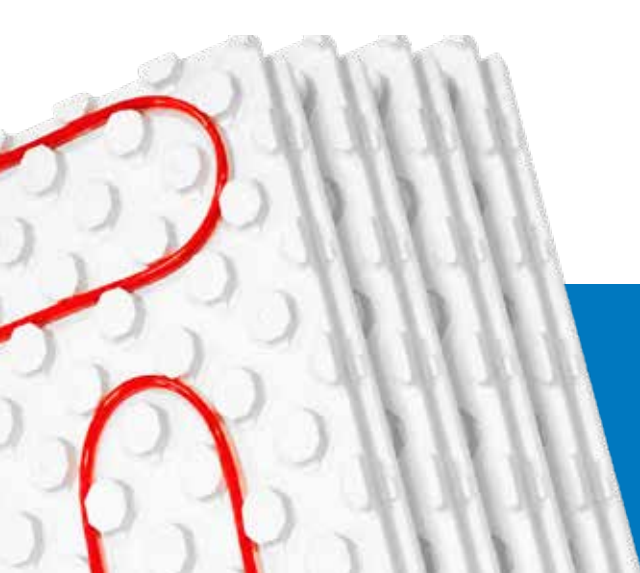
Installation Guide

- 1 Ensure that the exterior foundation walls are clean, straight, and properly waterproofed
- 2 Install the Polyroc panels horizontally, staggering the joints in a running bond pattern
- 3 Secure each panel using concrete screws and anchors, with three anchors per panel. Panels can be installed up to 6 ft in height



Component thicknesses

1	1	EPS Insulation	2" • 2 1/2" • 3" • 3 3/4"
2	2	Concrete finish	1/4"
Total thickness			2 1/4" • 2 3/4" • 3 1/4" • 4"

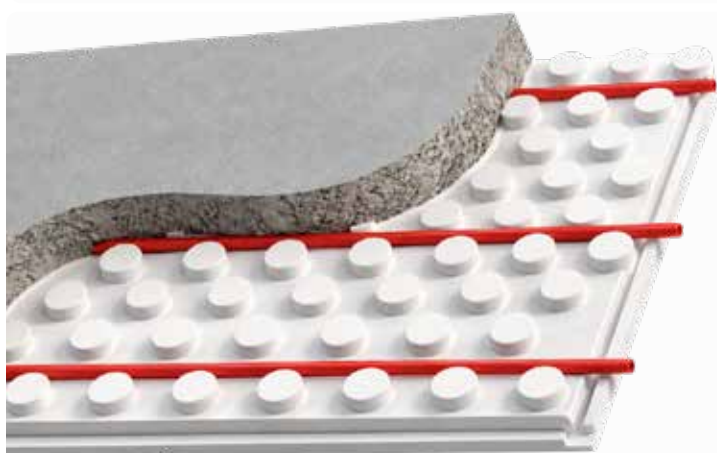


HYDROFOAM®

Hydronic Radiant Floor Insulation Board

Applications

- Under concrete slabs



Benefits

- Under-slab insulation
- Multi-directional tubing retention
- Easy to install
- Resistant to moisture infiltration



Technical Specifications HYDROFOAM®

Type 2 HD



The expanded polystyrene used to manufacture HYDROFOAM® is Intertek certified (ETL Listed) in accordance with ULC S701

Thickness

2 1/2"

3"

4"

R-Value

R10.08

R12.09

R16.12

Available Sizes

48" x 48"

*Other sizes and densities available.

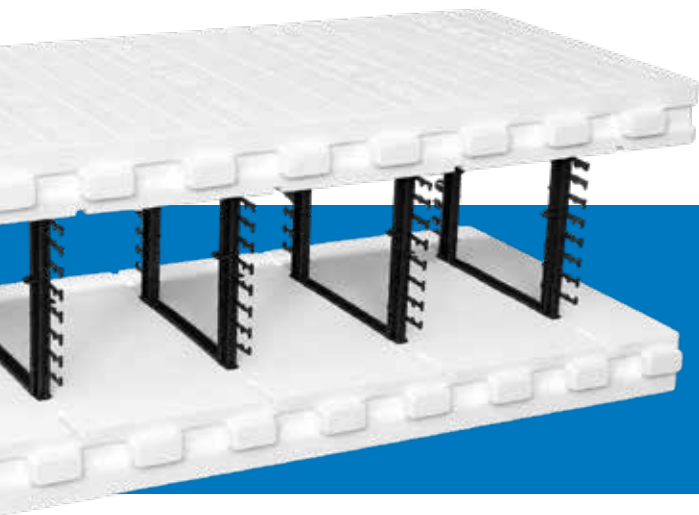
Installation Guide

- 1 Begin installation by ensuring the surface is level
- 2 Install the HYDROFOAM board and position the radiant floor heating tubing



Interlocking panels for a simplified installation

- 3 Secure the tubing using the multi-directional anchors
- 4 Pour the concrete directly over the foam and tubing in accordance with local building codes



Insulated Concrete Form Block

Type 2, R-4.0 per inch

Applications

- Foundation walls • Interior walls • Exterior walls



What Makes Fox Blocks ICF Walls Superior

1

Integrated Rebar Support

One of the industry's strongest wall systems, exceeding safety and durability requirements.

2

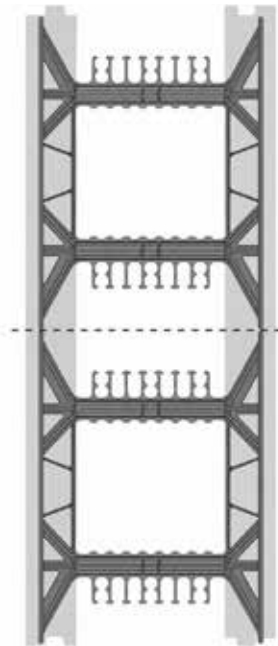
Continuous Double-Layer Insulation

R-23.5+ whole-wall insulation for superior thermal comfort, energy efficiency, and sound mitigation.

3

Continuous Air Barrier

Creates an airtight wall system for improved indoor comfort and efficiency.



4

Continuous Natural Vapour Barrier

Low perm rating (<1.0) helps protect against moisture, mold, and rot.

5

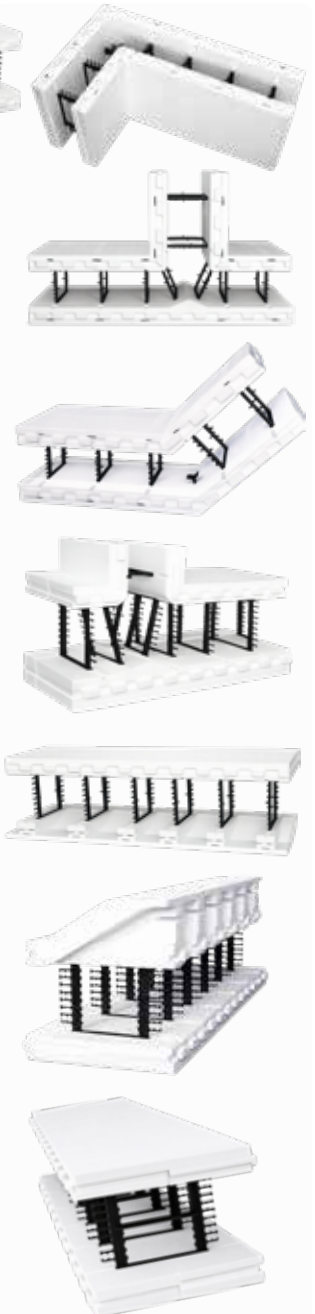
Full Height Embedded Fastening Strips

Strong fastening for interior and exterior finishes with reduced thermal bridging.

6

Reversible Interlock

Fast, easy-to-assemble 2" friction-fit interlock that reduces construction time and waste.



Polyvert

An Action Plan for Sustainable Development

The environmental division of the Polymos Group, Polyvert, recovers and recycles expanded polystyrene (EPS) and polypropylene (PP). Using state-of-the-art technology, these materials are transformed into recycled resins used in the manufacturing of expanded plastics, rigid plastic components, and new raw materials.

Since 2012, Polyvert has been developing large-scale recycling solutions. Its first facility quickly reached an annual processing capacity of 5,000,000 kg.

In 2017, a second facility tripled that capacity, reinforcing Polymos' commitment to a more circular and sustainable economy.



The Polyvert Recycling Process

1

Collection

Collection of post-industrial plastic materials



2

Processing

Sorting, shredding, and melting of plastics



3

Distribution

Sale of our recycled materials to our partners

