



### COMPLEMENTARY PRODUCTS



### PHYSICAL PROPERTIES

HR (type 1) Expanded Polystyrene

<b>Thermal Resistance</b> (ASTM C518 C177) Thickness of 25 mm (1")	<b>RSI-0.65</b> R-3.7
<b>Vapour Permability</b> (ASTM E96) Thickness of 25 mm (1")	<b>5.25 perm</b> 300 ng/Pa·s·m <sup>2</sup>
<b>Compressive Strength</b> (ASTM D1621) Thickness of 38 mm (1 1/2")	<b>80 kPa</b> 11.64 lbs/in <sup>2</sup>
<b>Flexural Strength</b> (ASTM C518 C203) Thickness of 38 mm (1 1/2")	<b>170 kPa</b> 24.78 lbs/in <sup>2</sup>
<b>Water Absortion</b> (ASTM D2842) Thickness of 38 mm (1 1/2")	<b>6%</b>
<b>Density</b> (ASTM D1621)	<b>16.01 kg/m<sup>3</sup></b> 1 lbs/ft <sup>3</sup>
<b>Limiting Oxygen Index</b> (ULC S-701) % minimum	<b>24%</b>
<b>Dimension Stability</b> (ASTM D2126) % max. of linear change	<b>1.5%</b>

### DESCRIPTION

Expanded polystyrene insulation board, shiplapped on four sides, designed for under slab, on slab or on foundation wall commercial use.

### CERTIFICATIONS



### INSTALLATION

1. Before installation, ensure that the foundation walls are straight, smooth, dry and free of snow, ice, frost, dust and debris.
2. Before installation, ensure that the foundation walls are straight, smooth, dry and free of snow, ice, frost, dust and debris.
3. Attach the panels to the foundation walls with Insulfast fasteners.
4. Seal joints and edges with vapour barrier tape.

### ADVANTAGES

#### *Integrated reflective vapour barrier membrane*

By leaving a 1" air space between the panel and the wall, radiant energy is reflected, increasing the thermal value of the wall.

#### *Shiplapped edge on two sides*

Cuts off thermal bridges

#### *Low water absorption*

The walls of the closed cells are impermeable, so water can only penetrate the channels between the polystyrene cells that are welded together.

#### *High-dimensional stability*

According to industry standards, EPS is one of the leaders in maintaining its dimensions. This allows for continuous integrity in the sealing system.

#### *Captive gas; 98% air and 2% plastic*

This formula has been used for more than 50 years. It does not contain any CFC's., HCFC's, Formaldehyde or any gas that can impact the ozone layer. Furthermore, this provides the product with premium features including its light weight and the maintenance of R-value.

#### *Mildewproofing*

EPS contains materials that do not support the growth of bacteria such as spores and mushrooms.

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# O'ZOL

EXPANDED POLYSTYRENE INSULATION BOARD  
FACTORY LAMINATED TO AN ALUMINUM FOIL INTERIOR WALL

## PHYSICAL PROPERTIES

Aluminum foil

Vapour Permability	0.381 g/m <sup>2</sup> ·24h 0.023 grains/h/ft <sup>2</sup>
Permeability	0.055 perm 3.14 ng/Pa·s·m <sup>2</sup>
Thickness	0.139 mm

## SIZES

Width x length	1.219 mm x 2.438 mm 48" x 96"
Shiplap	16 mm 5/8"
Number of shiplap per bundle	Varies on thickness

## INSULATED VALUES / THICKNESSES

R-1.8	12.5 mm (0.5")
R-3.7	25.4 mm (1")
R-5.5	38.1 mm (1.5")
R-7.4	50.8 mm (2")
R-11.1	76.2 mm (3")
R-14.8	101.6 mm (4")
R-18.5	127 mm (5")
R-22.2	152.4 mm (6")
R-25.9	177.8 mm (7")
R-29.6	203.2 mm (8")

## ADVANTAGES

### *Meets high standards*

Helps to reach Novoclimat (in Quebec if applicable), EnergyStar (Ontario and the Maritimes) and R-2000 (Canada) insulation levels.

## SAFETY RECOMMENDATION

Leave a minimum clearance of 75 mm between the insulation and any heat emitting, such as recessed lighting fixtures, and a minimum of 75 mm between the wall of chimneys and exhaust ducts.

## PRODUCT WARRANTY

### *Thermal value 100% guaranteed*

The thermal resistance of the O'ZOL product is 100% guaranteed at no cost for a minimum of 35 years.

