



COMPLEMENTARY PRODUCTS



**DESCRIPTION**

Grooved expanded polystyrene insulation, shipped on all four sides, designed to facilitate drainage of water in inverted roof systems.

ACKNOWLEDGMENT



- Meets ASTM C 1338 Standard, R04-690 report; test methods to determine mold resistance
- CCMC #13027-L

**INSTALLATION**

1. The installation of the insulation is done in total independence.
2. Place the panels in a single layer and in close contact, in parallel rows and without deformation or empty space.

**PHYSICAL PROPERTIES**

THD Expanded polystyrene (type 3)

<b>Thermal Resistance</b> (ASTM C518 C177) Thickness of 1" (25 mm)	<b>R-4.2</b> RSI-0.74
<b>Vapour Permeability</b> (ASTM E96) Thickness of 1" (25 mm)	<b>2.25 perm</b> 130 ng/Pa·s·m <sup>2</sup>
<b>Compressive Strength</b> (ASTM D1621) Thickness of 1 1/2" (38 mm)	<b>210 kPa</b> 30.6 lbs/in <sup>2</sup>
<b>Flexural Strength</b> (ASTM C518 C203) Thickness of 1 1/2" (38 mm)	<b>300 kPa</b> 43.71 lbs/in <sup>2</sup>
<b>Water Absorption</b> (ASTM D2842) Thickness of 1 1/2" (38 mm)	<b>2%</b>
<b>Density</b> (ASTM D1621)	<b>2 lbs/ft<sup>3</sup></b> 32.03 kg/m <sup>3</sup>
<b>Limiting Oxygen Index</b> (ULC S-701) % minimum	<b>24%</b>
<b>Dimensional Stability</b> (ASTM D2126) % max. of linear change	<b>1.5%</b>

Continued on back

# IZODRAIN

## TYPE THD

GROOVED EXPANDED POLYSTYRENE INSULATION BOARD

### DIMENSIONS

Width x length*	48" x 48" 1219 mm x 1219 mm
Thickness of straight edge	2" x 12" 51 mm x 305 mm
Thickness of shiplapped edge	2" x 12" 51 mm x 305 mm
Shiplap	1/2" or 5/8" 13 mm or 16 mm
Nb of grooves per side	5
Width of the grooves	1" 25 mm
Depth of the grooves	0.75" 19 mm
Number of panels by bundle	Varies according to the thickness

\*Other dimensions available upon request

### ADVANTAGES

#### **Low water absorption**

The closed cell walls are waterproof and as such, water can only penetrate in channels located between polystyrene cells that are held together.

#### **High-dimensional stability**

According to industry standards, EPS is one of the leaders in terms of size maintenance. This helps the system to remain fully waterproof at all times.

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

This formula has been used for more than 50 years. It does not contain any CFCs, HCFCs, 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.

#### **Environmentally friendly**

EPS is 100% recyclable and contains 10% recycled materials. Produced locally, the distance between the plant and site is often shorter than other products of the industry.

#### **Mildewproofing**

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

#### **Meets high standards**

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

