



#### COMPLEMENTARY PRODUCTS



Geotextile  
Membrane



HI-FLEX EPDM  
Membrane

#### PHYSICAL PROPERTIES

##### EHD 40 Expanded Polystyrene

<b>Thermal Resistance</b> (ASTM C518 C177) Thickness of 25 mm (1")	<b>RSI-0.74</b> R-4.2
<b>Vapour Permeability</b> (ASTM E96) Thickness of 25 mm (1")	<b>2.25 perm</b> 130 ng/Pa·s·m <sup>2</sup>
<b>Compressive Strength</b> (ASTM D1621) Thickness of 38 mm (1 1/2")	<b>275 kPa</b> 40 lbs/in <sup>2</sup>
<b>Flexural Strength</b> (ASTM C518 C203) Thickness of 38 mm (1 1/2")	<b>414 kPa</b> 60.35 lbs/in <sup>2</sup>
<b>Water Absorption</b> (ASTM D2842) Thickness of 38 mm (1 1/2")	<b>2%</b>
<b>Density</b> (ASTM D1621)	<b>40.04 kg/m<sup>3</sup></b> 2.5 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

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

#### CERTIFICATIONS



- Meets ASTM C 1338 Standard, R04-690 report; test methods to determined mold resistance.

#### 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.

#### 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 VOC, 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.

##### *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.

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# IZODRAIN

## TYPE EHD 40

HIGH DENSITY GROOVED EXPANDED POLYSTYRENE INSULATION BOARD

DIMENSIONS	
Width x Length*	<b>1,219 mm x 1,219 mm</b> (48" x 48") <b>1,219 mm x 2,428 mm**</b> (48" x 96") **special order only
Thickness of Straight Edge	<b>51 mm to 305 mm</b> (2" to 12")
Thickness of Shiplapped Edge	<b>51 mm to 305 mm</b> (2" to 12")
Shiplap	<b>13 mm or 16 mm</b> (1/2" or 5/8")
Nb of Grooves per Side	<b>5</b>
Width of the Grooves	<b>25 mm</b> 1"
Depth of the Grooves	<b>19 mm</b> 0.75"
Number of Panels by Bundle	Varies according to the thickness

\*Other dimensions available upon request.

