



## COMPLEMENTARY PRODUCTS



ADPHALT®  
Adhesive



LEXCOR PERMATE STICK  
Vapour Barrier

## PHYSICAL PROPERTIES

HD (type 2) Expanded Polystyrene

<b>Thermal Resistance</b> (ASTM C518 C177) Thickness of 25 mm (1")	<b>RSI-0.73</b> R-4.17
<b>Vapour Permability</b> (ASTM E96) Thickness of 25 mm (1")	<b>2.25 perm</b> 130 ng/Pa·s·m²
<b>Compressive Strength</b> (ASTM D1621) Thickness of 38 mm (1 1/2")	<b>140 kPa</b> 20.31 lbs/in²
<b>Flexural Strength</b> (ASTM C518 C203) Thickness of 38 mm (1 1/2")	<b>300 kPa</b> 43.71 lbs/in²
<b>Water Absorption</b> (ASTM D2842) Thickness of 38 mm (1 1/2")	<b>3%</b>
<b>Density</b> (ASTM D1621)	<b>24.02 kg/m³</b> 1.5 lbs/ft³
<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, factory laminated with hot bitumen to a 12.7 mm (1/2") natural fiberboard, square-end cut, designed to insulate flat or low slope roofs.

## CERTIFICATIONS



**MAÎTRES  
COUVREURS**  
Association des  
Maîtres Couvreur  
du Québec



**LEED**

## INSTALLATION

1. If adhered with adhesive, refer to the technical data sheet of the adhesive used for application recommendations.
2. Place the panels in close contact, in parallel rows and without deformation or empty space, as indicated in the shop drawing.
3. Fill joints more than 5 mm (3/16").
4. If mechanically attached, use the appropriate LEXCOR LEXGRIP screws and plates. Follow FM recommendations for the number of mechanical fasteners to be used per panel.

## ADVANTAGES

### Fast Installation

One step is saved on site since the insulation panel is already laminated to the cover board.

### 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.

### 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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# IZOFIBRE

## TYPE HD

### FLAT EXPANDED POLYSTYRENE INSULATION BOARD

#### PHYSICAL PROPERTIES

Natural Fiberboard Panel

<b>Thermal Resistance</b> (ASTM C518 C177) Thickness of 12.5 mm (1/2")	<b>RSI-0.27</b> R-1.55
<b>Linear Expansion</b> (ASTM C209)	<b>0.10%</b>
<b>Compressive Strength</b> (ASTM C165) 10% deformation 25% deformation	34.8 lbs/in <sup>2</sup> 51 lbs/in <sup>2</sup>
<b>Transversal Breaking Strength</b> (ASTM C209)	<b>40 N</b>
<b>Water Absorption</b> (ASTM C209)	<b>3.5%</b>
<b>Density (Volumetric Mass)</b> (ASTM D1621)	<b>232 kg/m<sup>3</sup></b> 14.5 lbs/ft <sup>3</sup>
<b>Tensile Strength</b> (ASTM C209) Perpendicular to the surface (min) Parallel to the surface	<b>36.5 kPa / 761 lbs/ft<sup>2</sup></b> <b>1.3 kPa / 187 lbs/in<sup>2</sup></b>

#### SIZES

<b>Width x Length*</b>	<b>1219 mm x 1219 mm</b> 48" x 48"
<b>Thickness</b>	<b>51 mm to 305 mm</b> 2" to 12"
<b>Shiplap</b>	<b>16 mm</b> 5/8"
<b>Number of Panels per Skid</b>	Varies according to thickness

\*Order sizes available on special order



#### PRODUCT WARRANTY

*Thermal Value is 100% Guaranteed*

The thermal resistance of the product is 100% guaranteed free of charge for a period of at least 40 years.

