



COMPLEMENTARY PRODUCTS



Adphalt Adhesive



Lexcor Lexboard Panel

PHYSICAL PROPERTIES EHD 40 Expanded polystyrene

Thermal Resistance (ASTM C518 C177) Thickness of 25 mm (1")	R-4.2 RSI-0.74
Vapour Permeability (ASTM E96) Thickness of 25 mm (1")	130 ng/Pa-s-m² 2.25 perm
Compressive Strength (ASTM D1621) Thickness of 38 mm (1 1/2")	275 kPa 40 lbs/in ²
Flexural Strength (ASTM C518 C203) Thickness of 38 mm (1 1/2")	414 kPa 60.35 lbs/in ²
Water Absorption (ASTM D2842) Thickness of 38 mm (1 1/2")	2%
Density (ASTM D1621)	40.04 kg/m³ 2.5 lbs/ft ³
Limiting Oxygen Index (ULC S-701) % minimum	24%
Dimensional Stability (ASTM D2126) % max. of linear change	1.5%

DESCRIPTION

Expanded polystyrene insulation board, shiplapped on four sides, designed to insulate flat or low slope roofs.

CERTIFICATIONS



MAÎTRES
COUVREURS
Association des
Maîtres Couvresseurs
du Québec



LEED



PS 100%

- Meets the ASTM C 1338 standard, report R04-690 test methods to determine mold resistance
- CSA 123.21

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 3/16" (5 mm).
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.

Continued on back

IZOLON

TYPE EHD 40

HIGH DENSITY FLAT EXPANDED POLYSTYRENE
INSULATION BOARD

SIZES

Width x length*	48" x 48" 1,219 mm x 1,219 mm
Thickness - Straight edge	1/2" to 24" 13 mm to 610 mm
Thickness - Shiplapped edge	1 1/2" to 12" 38 mm to 305 mm
Shiplap	1/2" or 5/8" 13 mm or 16 mm
Number of panels per skid	Varies according to thickness

*Other sizes available on special order

ADVANTAGES

Monolithic panel

Up to 24" (610 mm) thick with straight edges and 12" (305 mm) with shiplapped edges to meet the required R value in one application.

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 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.



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 35 years.

