



#### COMPLEMENTARY PRODUCTS



#### PHYSICAL PROPERTIES EHD 40 expanded polystyrene

|  |  |
|--|--|
| <b>Thermal Resistance</b><br>(ASTM C518 C177) Thickness of 25 mm (1")    | <b>R-4.2</b><br>RSI-0.74                                 |
| <b>Vapour Permeability</b><br>(ASTM E96) Thickness of 25 mm (1")         | <b>130 ng/Pa·s·m<sup>2</sup></b><br>2.25 perm            |
| <b>Compressive Strength</b><br>(ASTM D1621) Thickness of 38 mm (1 1/2")  | <b>275 kPa</b><br>40 lbs/in <sup>2</sup>                 |
| <b>Flexural Strength</b><br>(ASTM C518 C203) Thickness of 38 mm (1 1/2") | <b>414 kPa</b><br>60.35 lbs/in <sup>2</sup>              |
| <b>Water Absorption</b><br>(ASTM D2842) Thickness of 38 mm (1 1/2")      | <b>2%</b>  |
| <b>Density</b><br>(ASTM D1621)   | <b>40.04 kg/m<sup>3</sup></b><br>2.5 lbs/ft <sup>3</sup> |
| <b>Limiting Oxygen Index</b><br>(ULC S-701) % minimum                    | <b>24%</b>   |
| <b>Dimensional Stability</b><br>(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. It is also designed for civil applications (roads, pipes, etc.)

#### CERTIFICATIONS



LEED



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

#### INSTALLATION

1. Make sure the surface to be insulated is leveled.
2. Lay the panels against each other in tight contact.
3. If required, seal the joints with a tape such as Tuck Tape.

Continued on back

# IZODAL TYPE EHD 40

HIGH DENSITY FLAT EXPANDED POLYSTYRENE  
INSULATION BOARD

## SIZES

|                           |                                  |
|---------------------------|----------------------------------|
| Width x length*           | 1,219 mm x 2,438 mm<br>48" x 96" |
|                           | 1,219 mm x 1,219 mm<br>48" x 48" |
| Shiplap                   | 16 mm<br>5/8"                    |
| Number of boards per skid | Varies on thickness              |

\*other sizes available on special order

## INSULATED VALUES / THICKNESSES

|      |        |        |
|------|--------|--------|
| R-6  | 36 mm  | (1.4") |
| R-8  | 48 mm  | (1.9") |
| R-10 | 60 mm  | (2.4") |
| R-16 | 97 mm  | (3.8") |
| R-20 | 121 mm | (4.8") |

## ADVANTAGES

### *Energy saving*

Prevents building heat loss caused by cold entering from the concrete slab and in ice rink application, it helps reduce refrigeration costs.

### *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.

### *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.



## PRODUCT WARRANTY

### *Thermal value 100% guaranteed*

The thermal resistance of the product is 100% guaranteed, free of charge, for a minimum period of 35 years.

