

IZOLON

**IZODAL
TYPE THD**

FLAT EXPANDED POLYSTYRENE INSULATION BOARD

DESCRIPTION

Expanded polystyrene insulation board, shiplapped on four sides, designed for under slab, on slab or on foundation wall commercial use.

CERTIFICATIONS



LEED



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

INSTALLATION

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

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 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

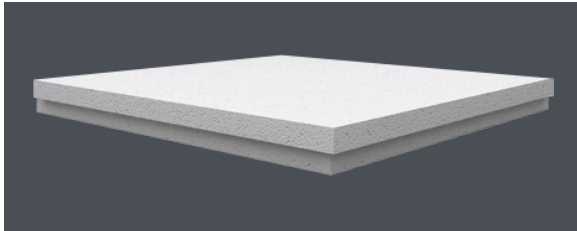
EPS is 100% recyclable and contains 10% recycled materials. Produced locally, the distance between the plant and site is often shorter than other products of the industry.

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.



COMPLEMENTARY PRODUCTS



LEXCOR PE-10
VAPOUR BARRIER



BLUE TUCK TAPE

PHYSICAL PROPERTIES

THD Expanded Polystyrene (type 3)

Thermal Resistance (ASTM C518 C177) Thickness of 25 mm (1")	RSI-0.74 R-4.2
Vapour Permeability (ASTM E96) Thickness of 25 mm (1")	2.25 perm 130 ng/Pa·s·m ²
Compressive Strength (ASTM D1621) Thickness of 38 mm (1 1/2")	210 kPa 30.6 lbs/in ²
Flexural Strength (ASTM C518 C203) Thickness of 38 mm (1 1/2")	300 kPa 43.71 lbs/in ²
Water Absorption (ASTM D2842) Thickness of 38 mm (1 1/2")	2%
Density (ASTM D1621)	32.03 kg/m³ 2 lbs/ft ³
Limiting Oxygen Index (ULC S-701) % minimum	24%
Dimensional Stability (ASTM D2126) % max. of linear change	1.5%

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SIZES	
Width x Length*	1,219 mm x 1,219 mm 48" x 48"
	1,219 mm x 2,438 mm 48" x 96"
Shiplap	16 mm 5/8"
Number of Boards per Skid	Varies according to thickness

*Other sizes available on special order

*Fransyl can produce ship lapped insulation up to 8" in thickness and straight edge insulation up to 24" in thickness.

INSULATED VALUES / THICKNESSES

R-5	30.22 mm (1.19")
R-7.5	45.47 mm (1.79")
R-10	60.45 mm (2.38")
R-12.6	76.19 mm (3")
R-15	90.67 mm (3.57")
R-20	120.90 mm (4.76")



PRODUCT WARRANTY

Thermal Value 100% Guaranteed

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

