

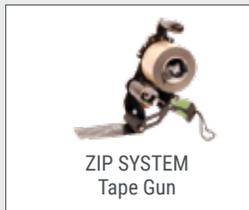
## DESCRIPTION

All-in-one structural insulating panel featuring IZOLON THR Expanded Polystyrene Insulation laminated to an oriented strandboard (OSB), impregnated with phenolic resin to provide permanent weather resistance.

## CERTIFICATIONS



## COMPLEMENTARY PRODUCTS



## INSTALLATION

1. Prior to installation, verify that the wooden wall frame is adequately spaced and properly aligned to provide continuous support for the panel edges.
2. Prior to installation, verify that the wooden wall frame is adequately spaced and properly aligned to provide continuous support for the panel edges.
3. The lateral sides are spaced out automatically; the extremities must be spaced out manually at about 3 mm (1/8").
4. Install the panels by using screws or nails that comply with the National Building Code. Fasten them 9.5 mm (3/8") from the panel edges. The panels have a printed guide indicating the fastener locations at intervals of 406.4 mm (16") and 609.6 mm (24"), center to center.
5. Install the seam tape according to the manufacturer's written instructions.

## LIMITATIONS

Avoid exposing the product over a period of more than 180 days.

## STORAGE

Do not store directly on the floor. Cover the stored panels with a weather-resistant protective material; make sure the sides of the protective material are not too snug on the panels to ensure proper airflow. Factory-applied packages are intended solely for protection purposes during transport.

## ADVANTAGES

### *Fully-Warranted Thermal Value*

Fransyl IZOLON expanded polystyrene maintains its insulating properties and performance over time for at least 40 years, even if the molecular structure of the product is deformed.

## PHYSICAL PROPERTIES

### THR Expanded Polystyrene (type 2)

<b>Thermal Resistance</b> (ASTM C518 C177) Thickness of 25 mm (1")	<b>RSI-0.7</b> R-4
<b>Vapour Permeability</b> (ASTM E96) Thickness of 25 mm (1")	<b>200 ng/Pa·s·m<sup>2</sup></b> 3.5 perm
<b>Compressive Strength</b> (ASTM D1621) Thickness of 38 mm (1 1/2")	<b>120 kPa</b> 17.46 lbs/in <sup>2</sup>
<b>Flexural Strength</b> (ASTM C518 C203) Thickness of 38 mm (1 1/2")	<b>240 kPa</b> 34.97 lbs/in <sup>2</sup>
<b>Water Absorption</b> (ASTM D2842) Thickness of 38 mm (1 1/2")	<b>4%</b>
<b>Density</b> (ASTM D1621)	<b>20.01 kg/m<sup>3</sup></b> 1.25 lbs/ft <sup>3</sup>
<b>Limiting Oxygen Index</b> (ULC S-701) % minimum	<b>24%</b>
<b>Dimensional Stability</b> (ASTM D2126) % max. of linear change	<b>1.5%</b>

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# ZIPZOL

## TYPE THR

### AIR BARRIER STRUCTURAL INSULATING PANEL

#### PHYSICAL PROPERTIES

OSB Structural Panel

<b>Exposure Durability Classification</b> (DOC PS 2)	Exposure 1
<b>Panel Category</b> (DOC PS 2)	Exposure 2
<b>Moisture Barrier</b> (AC38)	Grade D WRB
<b>Water Penetration</b> (ASTM E331)	Pass
<b>Vapour Transmission</b> (ASTM E96-B)	12-16 perms
<b>Air Barrier Assembly</b> (ASTM E2357)	0.037 L/(s·m <sup>2</sup> )
<b>Air Barrier Material</b> (ASTM E 2178)	0.0016 L/(s·m <sup>2</sup> ) @ 300 Pa
<b>Wind-Driven Rain</b> (TAS 100 @ 100 mph)	Pass

#### SIZES

<b>Width x Length*</b>	<b>1,219 mm x 2,438 mm</b> 48" x 96"
<b>OSB Structural Panel Thickness*</b>	<b>11.2 mm</b> 7/16"
<b>Expanded Polystyrene Thickness*</b>	<b>22.4 mm</b> 7/8"
<b>Total Thickness of ZIPZOL Panel*</b>	<b>33.3 mm</b> 1-5/16"
<b>ZIPZOL Panel Weight</b>	<b>23.6 kg</b> 52 lbs
<b>Number of Units/Pallet</b>	<b>33 panels</b>
<b>Pallet Weight</b>	<b>778.4 kg</b> 1716 lbs
<b>Pallet Size</b>	<b>1,105x 1,219 mm x 2,438 mm</b> 43.5" x 48" x 96"

\*Other thicknesses available upon request.

Insulated Values	Structural Panel Thickness	Expanded Polystyrene Thickness	Total Thickness
R-4	11.2 mm (7/16")	22.2 mm (7/8")	33.4 mm (1 5/16")
R-6	11.2 mm (7/16")	34.8 mm (1 3/8")	46.0 mm (1 13/16")
R-8	11.2 mm (7/16")	47.6 mm (1 7/8")	55.6 mm (2 5/16")
R-12	11.2 mm (7/16")	73 mm (3")	84.2 mm (3 5/16")

\*Other R-Values available upon request.

#### Panel Warranty

The OSB Structural Panel is warranted against any manufacturing defect for 30 years.

#### Multifunctional

In addition to acting as a thermal envelope for the frame wall, the ZIPZOL panel reinforces the wall against diagonal deformations, and its solidity facilitates the installation of the exterior cladding.

#### Combination of Expanded Polystyrene and OSB Structural Panel totaling or exceeding R-4

Meets the National Building code standards.

#### Sustainable Forestry Initiative

Wood harvested, transported, manufactured and distributed using sustainable practices.

#### Renewable Forest Resources

Wood mainly composed of biological seedlings.

#### Low-Emission Material

Does not contain ozone-depleting formaldehyde or gas.



#### 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.

