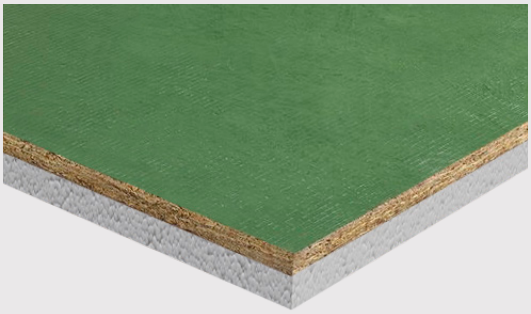
FRANSYL

ZIPZOL
THR
AIR BARRIER STRUCTURAL INSULATING PANEL



COMPLEMENTARY PRODUCTS

ZIP System seam tape

ZIP System tape gun

PHYSICAL PROPERTIES

THR expanded polystyrene (type 2)

Thermal resistance (ASTM C518 C177) thickness of 25 mm (1")	R-4 RSI-0.7
Vapour permeability (ASTM E96) thickness of 25 mm (1")	3.5 perm 200 ng/Pa·s·m²
Compressive strength (ASTM D1621) thickness of 38 mm (1-1/2")	120 kPa 17.46 lb/in²
Flexural strength (ASTM C518 C203) thickness of 38 mm (1-1/2")	240 kPa 34.97 lb/in²
Water Absorption (ASTM D2842) thickness of 38 mm (1-1/2")	4%
Density (ASTM D1621)	20.01 kg/m³ 1.25 lb/ft³
Limiting oxygen index (ULC S-701) % minimum	24%
Dimensional stability (ASTM D2126) % max. of linear change	1.5%

DESCRIPTION

THR expanded polystyrene insulation laminated to an oriented strandboard (OSB) structural panel, impregnated with phenolic resin to provide permanent weather resistance.

CERTIFICATIONS

LEED

EXECUTION

1. Before installing, make sure the frame of the wooden wall is properly spaced out and aligned to support the edges of the panels continuously.
2. Install the panels horizontally or vertically with the water-resistant surface facing outward. The walls designed to resist lateral shearing forces and covered with wooded structural panels usually require a strong framework or blockage behind all the edges of the panel.
3. The lateral sides are spaced out automatically; the extremities must be spaced out manually at about 3 mm (1/8").
4. Install with screws or nails approved by the National Building Code at 9.5 mm (3/8") from the edges of the panel. The panels are printed with a fastening guide for the location of the fasteners every 406.4 mm (16 inches) and 609.6 mm (24 inches) centre/centre.
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.

Continued on back

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PHYSICAL PROPERTIES

Structural panel

Exposure durabiity classification (DOC PS 2)	Exposure 1
Panel category (DOC PS 2)	Structural 1
Moisture barrier (AC38)	Grade D WRB
Water penetration (ASTM E331)	Pass
Vapour transmission (ASTM E96-B)	12-16 perms
Air barrier assembly (ASTM E2357)	0.037 L/(s·m²)
Air barrier material (ASTM E 2178)	0.0016 L/(s·m²) @ 300 Pa
Wind-driven rain (TAS 100 @ 100 mph)	Pass

SIZE

Width x length	1219 mm x 2438 mm 48" x 96"
Panel thickness*	11.2 mm 7/16"
Expanded polystyrene thickness*	22.4 mm 7/8"
Total thickness*	33.3 mm 1-5/16"
Panel weight	23.6 kg 52 lbs
Number of units/pallet	33 panels
Pallet weight	778.4 kg 1716 lbs
Pallet size	1105 mm x 1219 mm x 2438 mm 43.5" x 48" x 96"

*other thicknesses available upon request

ADVANTAGES

Fully-warranted thermal value

Fransyl Izolon expanded polystyrene maintains its insulating properties and performance over time for at least 35 years, even if the molecular structure of the product is deformed.

Panel warranty

The 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 panel reinforces the wall against diagonal deformations, and its solidity facilitates the installation of the exterior cladding.

Combination of panels totaling 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.

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