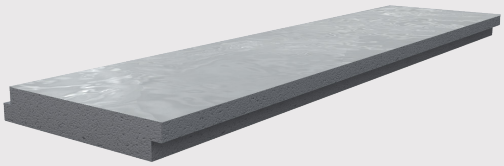
FRANSYL

POLYZOL

RESIDENTIAL UNDER SLAB LAMINATED
EXPANDED POLYSTYRENE INSULATION



COMPLEMENTARY PRODUCTS

Tuck Tape

PHYSICAL PROPERTIES

THR expanded polystyrene (type 2)

Thermal Resistance (ASTM C518 C177) Thickness of 25 mm (1")	RSI-0.7 R-4
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/pi³
Limiting Oxygen Index (ULC S-701) % minimum	24%
Dimensional Stability (ASTM D2126) % max. of linear change	1.5%

DESCRIPTION

Factory-laminated expanded polystyrene insulation with polyethylene, for sub-slab application in residential buildings.

CERTIFICATIONS

- Meets CAN/ULC S-107.
- C7 and C12 under CAN/ULC S-126M
- Meets ASTM C 1338, Report R04-690 test methods to determine mold resistance
- CCMC #13027-L
- CAN/CGSB - 51.34-M86

EXECUTION

1. Before installation, level the surface to make it as flat as possible.
2. Place the panels on the ground in tight contact.
3. Seal the joints with adhesive tape such as Tuck Tape.
4. Pour the concrete slab over the insulation panels.

CAUTION

Avoid heavy loads on the insulation before the slab is poured to avoid damaging it.

ADVANTAGES

Lamination with polyethylene
Provides more strength and flexibility to the product for easier installation.

Low water absorption
The walls of the closed cells are impermeable, so water can only penetrate the channels between the polystyrene cells that are welded together.

High dimensional stability
According to industry standards, EPS is one of the leaders in maintaining its maintaining its dimensions.

Mildewproofing
EPS contains materials that do not support the growth of bacteria such as spores and mushrooms.

Suite au verso

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PHYSICAL PROPERTIES
PolyETHYLENE

Average thickness (ASTM D 2103)	6.0 mil (minimum average) No point lower than 4.8 mil
Color (X-RITE)	Natural
Coefficient of friction (ASTM D 1894)	High
Impact strength test **Dart Test** (ASTM D 1709)	480 g (min. 300 g)
Tensile Strength **MD** **TD**	3470 psi (min.1740) 3300 psi (min. 1160)

DIMENSIONS

Width x Length*	1219 mm x 1219 mm 48” x 48”
Shiplap	16 mm 5/8”

*other dimensions on request

INSULATING VALUES / THICKNESS

R-4	1”	(25.4 mm)	**R-16**	4”	(101.6 mm)
R-6	1,5”	(38.1 mm)	**R-20**	5”	(127.0 mm)
R-8	2”	(50.8 mm)	**R-24**	6”	(152.4 mm)
R-10	2,5”	(64.0 mm)	**R-32**	8”	(203.2 mm)
R-12	3”	(76.2 mm)	**R-40**	10”	(254.0 mm)

***Other R values available upon request**

ADVANTAGES

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.