



COMPLEMENTARY PRODUCTS



Tuck Tape



Insulfast Fasteners

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")	200 ng/Pa·s·m² 3.5 perm
Compressive Strength (ASTM D1621) Thickness of 38 mm (1 1/2")	120 kPa 17.46 lbs/in ²
Flexural Strength (ASTM C518 C203) Thickness of 38 mm (1 1/2")	240 kPa 34.97 lbs/in ²
Water Absorption (ASTM D2842) Thickness of 38 mm (1 1/2")	4%
Density (ASTM D1621)	20.01 kg/m³ 1.25 lbs/ft ³
Limiting Oxygen Index (ULC S-701) % minimum	24%
Dimensional Stability (ASTM D2126) % max. of linear change	1.5%

DESCRIPTION

Air barrier insulation board composed of an expanded polystyrene panel laminated to a non-woven polyolefin membrane coated on one side with a water vapour permeable emulsion. This product is designed and used for exterior insulation of above-grade walls.

CERTIFICATIONS



INSTALLATION

1. Fix the panels using Insulfast fasteners.
2. Seal the joints with a tape such as Tuck Tape.
3. The product must be installed in accordance with current building standards.

LIMITATIONS

The product must be covered within 120 days of its installation.

STORAGE

Store in a area sheltered from bad weather, preferably indoors). Do not store directly on the ground.

Continued on back

C-ZOL

AIR BARRIER INSULATION BOARD

PHYSICAL PROPERTIES

Air barrier membrane

Water vapour permeability (ASTM E 96)	≤ R-2.5 ≤ 143.2 ng/Pa·s·m ²
Original water vapour permeance after UV exposition and thermal weathering (CCMC #13294-R)	3.8 perm 215 ng/Pa·s·m ²
Air permeance rate at 75 Pa (CCMC #13298-R)	0.004 L/(s·m ²)
Tensile strength (CCMC #13294-R)	36.1 lbf/in 6.33 N/mm
Tensile strength after UV exposition (CCMC #13294-R)	> 90%
Tensile strength after UV exposition and thermal weathering (CCMC #13294-R)	> 85%
Original water absorption (CCMC #13294-R)	Pass No air leak
Water absorption after UV exposition and thermal weathering (CCMC #13294-R)	Pass No air leak

SIZES

Width x length	48" x 96" (1.2 m x 2.4 m) 48" x 108" (1.2 m x 2.7 m)
Thicknesses	1" - 1.5" - 2" 25.4 mm - 38.1 mm - 50.8 mm
Shiplap	5/8" 16 mm

PACKAGING

Units per skid	24 sheets
Thickness of 1"	16 sheets
Thickness of 1,5"	12 sheets
Thickness of 2"	

Skid size	
4' x 8' panels	2' x 4' x 8' (0.6 m x 1.2 m x 2.4 m)
4' x 9' panels	2' x 4' x 9' (0.6 m x 1.2 m x 2.7 m)

Panel weight	4' x 8'	4' x 9'
Thickness of 1"	3.5 lbs (1,6 kg)	3.9 lbs (1,8 kg)
Thickness of 1,5"	5.2 lbs (2,4 kg)	5.9 lbs (2,7 kg)
Thickness of 2"	6.9 lbs (3,1 kg)	7.8 lbs (3,5 kg)

Skid weight	
4' x 8' panels	83.2 lbs (37.7 kg)
4' x 9' panels	93.6 lbs (42.4 kg)

ADVANTAGES

Eliminates thermal bridges

The panel is shiplapped on all four sides, which prevents air from infiltrating between the panels. Also, for residential buildings, panels measuring 4' x 9' (1,219 mm x 2,743 mm) and installed vertically help to cover the top slate, bottom wall slate and floor belt, which eliminates thermal bridges in these areas.

Air barrier

The non-woven polyolefin membrane coated with a water vapour permeable emulsion protects the building by preventing outside air from penetrating the building while allowing the continuous moisture contained in the walls to exit the building.

Easy installation

C-ZOL is light, easy to carry and can be cut easily on site using an all-purpose knife.

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.

Mildewproofing

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



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.

