



### DESCRIPTION

Expanded polystyrene block, pre-drilled of three holes, designed for underpinning installation of mechanical ducts.

### CERTIFICATIONS



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

### PHYSICAL PROPERTIES

#### THD expanded polystyrene (type 3)

<b>Thermal Resistance</b> (ASTM C518 C177) Thickness of 25 mm (1")	<b>R-4.2</b> RSI-0.74
<b>Vapour Permeability</b> (ASTM E96) Thickness of 25 mm (1")	<b>130 ng/Pa·s·m<sup>2</sup></b> 2.25 perm
<b>Compressive Strength</b> (ASTM D1621) Thickness of 38 mm (1 1/2")	<b>210 kPa</b> 30.6 lbs/in <sup>2</sup>
<b>Flexural Strength</b> (ASTM C518 C203) Thickness of 38 mm (1 1/2")	<b>300 kPa</b> 43.71 lbs/in <sup>2</sup>
<b>Water Absorption</b> (ASTM D2842) Thickness of 38 mm (1 1/2")	<b>2%</b>
<b>Density</b> (ASTM D1621)	<b>32.03 kg/m<sup>3</sup></b> 2 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>

**MAXIMUM PRESSURE ALLOWED 70 kPa**

### INSTALLATION

1. A surface of the right size and thickness should be dug, centered under the line of the foundation's wheelbase.
2. Place the block in the required location.
3. Once the installation is complete, replace the soil around the block and compact it adequately with appropriate equipment.
4. Once the foundation has been poured and the time is right for the connection via the Infracube, clear the soil on each side of the block under the foundation appropriately.
5. Depending on the required crosspaths, push on the Infracube cylinder(s) of the desired size and remove only these.
6. Insert the pipe(s) to be connected via the openings of the Infracube.
7. Once the connections are complete, backfill the soil and compact on both sides of the foundation.

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# INFRACUBE 300 TYPE THD

PRE-DRILLED POLYSTYRENE INSULATION BLOCK

## SIZES

<b>Width x length</b>	48" x 48" 1,219 mm x 1,219 mm
<b>Height</b>	24" 610 mm
<b>Holes Diameter</b>	8" and 10" 203 mm and 254 mm
<b>Number of block per skid</b>	1 or 2

## ADVANTAGES

### ***Inclination of the holes***

The holes are pre-drilled with a slight inclination to facilitate the flow of water.

### ***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.

### ***High-dimensional stability***

According to industry standards, EPS is one of the leaders in terms of size maintenance. This helps the system to remain fully waterproof at all times.

### ***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.

### ***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.

