

SuperPex Panel™

Interlocking Radiant Floor Heat Panel



The SuperPex Panel is a hydronic floor panel made of high-density expanded polystyrene for insulating residential and commercial buildings. The SuperPex Panel has unique mushroom-shaped pucks that lock the PEX tubing firmly in place. To maximize performance and ensure a premium installation experience, our puck is engineered with precision to the perfect height, width, and shape.

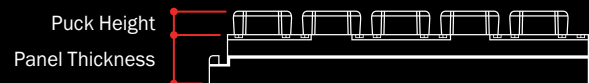
The 4'x4' panel is designed to maximize the square footage able to be placed at once while maintaining an easy, user-friendly experience, with our unique interlocking shiplap to lock the panels together. Hydronic tubing is then easily inserted into the panels by walking on the tubing and locking the tubing in between the pucks. Concrete is poured on top of the panel to the required thickness, encasing the tubing, pucks, and any reinforcement in place.

**25% of a building's heat is lost through the floor.
Solve this issue by using Radiant Floor Heat.**

- ▶ Tight friction fit interlocking groove
- ▶ Multi-directional placement for 3/8", 1/2", 5/8", and 3/4" PEX
- ▶ Bridges between pucks lift the tubing for better heat distribution
- ▶ The precise cone-shaped puck design allows the contractor to lock the pipe firmly in place and use a PEX size of 3/8", 1/2", and 5/8" without stapling corners



Scan or hit the QR Code to visit
the SuperPex Panel Web Page and
Watch the Installation Tips Video



Panel Thickness: 2" | 2.5" | 3" | 3.5" | 4"

Panel Size: 4'x4' **Puck Height:** 1"

Densities

16 | 25 | 30 | 40 PSI available

SuperPex Nominal R-Values

2": R10 | 2.5": R12 | 3": R14 | 3.5": R16 | 4": R18



Building a better future.

Follow Us On



superformicf.com

SuperPex Panel Technical Specs

CAN/ULC-S701: Standard for Thermal Insulation, Polystyrene, Boards & Pipe Covering			SuperPex 16 Density (lbs/ft³): 1.5	SuperPex 25 Density (lbs/ft³): 1.8	SuperPex 30 Density (lbs/ft³): 2.0	SuperPex 40 Density (lbs/ft³): 2.4
PROPERTY	ASTM TEST	UNITS	TYPE 2	TYPE 3	TYPE 3	TYPE 3
Thermal Resistance Values® Minimum @ 24°C (75°F)	C518	m² • °C/(W • 25mm) RSI Value	0.70	0.75	0.75	0.75
		ft² • hr • °F/(BTU • in) R-Value	4.04	4.3	4.3	4.3
Water Vapor Permeance Maximum	E96	ng/(Pa • s • m²)	200	145	130	143
		perms	3.2	2.5	2.25	2.5
Dimensional Stability Maximum	D2126 7 Days @ 70± 2 °C	% linear change	1.5	2	1.5	2.0
Flexural Strength Minimum	C203 Procedure B	kPa	240	345	345	414
		Psi	35	50	50	60
Water Absorption Maximum	D2842	% by volume	4.0	2.0	2.0	2.0
Compressive Strength Minimum @ 10% Deformation	D1621 Procedure A	kPa	110	175	210	276
		Psi	16	25	30	40
Limiting Oxygen Index Minimum	D2863	%	24	24	24	24

NOTE: Values quoted are maximum values for (25.4mm) thick samples with natural skins intact. Lower values will result for thicker materials. Where water vapor permeance is a design issue, consult manufacturer.

Applications: Under slab, radiant in-floor tubing - making install extremely quick and simple in half the time.

