

UNDERSLAB RADIANT INSULATION PANEL

Data Sheet

InsulHeat is an insulated panel used for hydronic radiant floor (under concrete slab) systems both for interior and exterior applications. The combination of closed cell, molded Expanded Polystyrene (EPS) insulation with High Impact Polystyrene (HIPS) film, makes for a strong and resilient panel.

The panel combines high density rigid insulation, a vapor barrier and PEX piping locking mechanism into a single solution that significantly reduces installation time. Ideal for installation in basements, driveways, garages, workshops and barns.

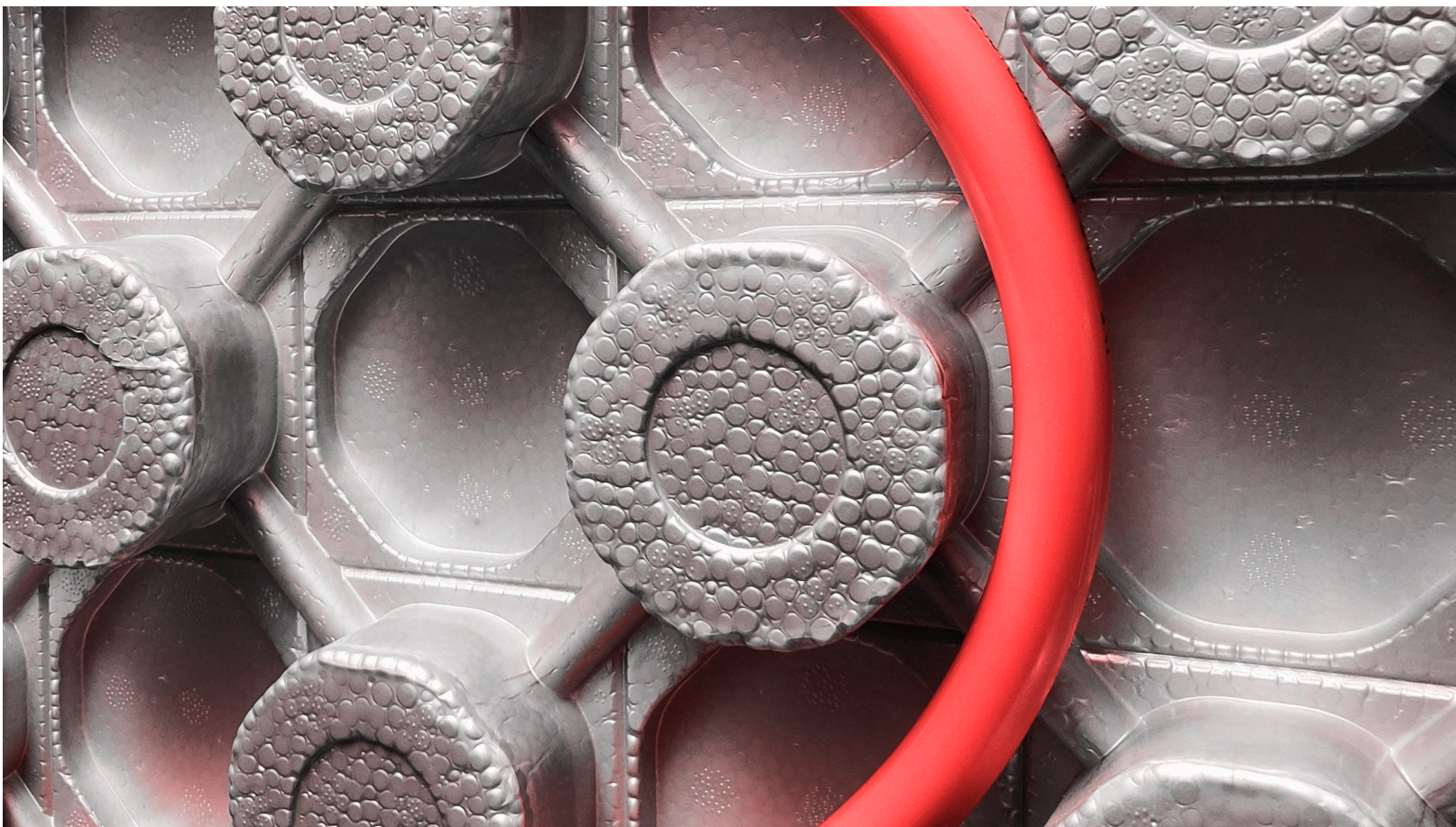


Features

- Consistent 3" (76mm) grid pattern of the panel allows for uniform pipe layout.
- Accommodates 3/8", 1/2", 3/4", and 1" nominal Pex tubing.
- Light and manageable 24" x 48" x 3 3/8" panel size reduces waste due to damage on site.
- The nub height and film accommodates multiple tube sizes and protects the tubing from damage and dislocation when the panel is walked upon by other trades.
- Quick and easy walk-in installation of PEX piping without the need for staples and zip ties greatly reducing strain on the body.
- The large, four-sided interlocking shiplap connector system makes for a quick, easy and secure installation while maintaining the continuity of the vapor barrier and eliminating the need for a dedicated vapor barrier (unless specifically required by local building code).

Applications

- Under concrete slab
- Basement slab
- Slab on grade
- Garage and workshops



Storage

Store panels in a dry location, protected from the elements. Panels should be stacked at least 4" (102mm) above the ground. Limit the use of open flame or ignition sources near product. Avoid contact with hydrocarbons and petroleum based products.

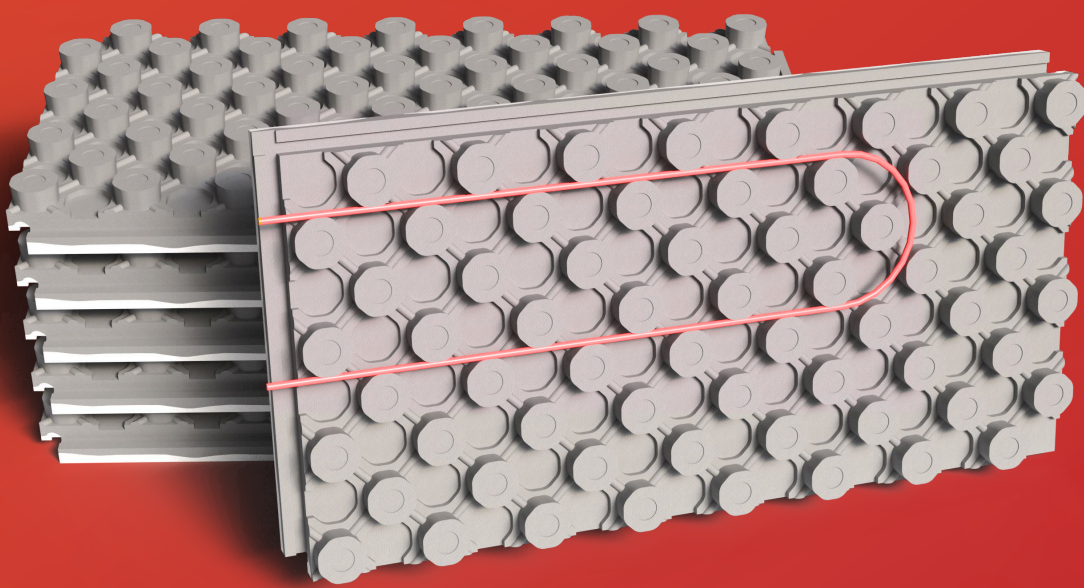
Warranty

Insulheat supports building owners, designers and contractors by offering a 20-year, limited thermal warranty on Ampex product line. This warranty is available to the building owner at the time the building is completed and is transferable to any subsequent owner during the 20-year period.

Physical Properties Table

Compressive Strength	Thermal Resistance	Water Vapor Permeance	Flexural Strength	Panel Density	Panel Size ³ W*L	Panel Thickness	Supported PEX Pipe Sizes
ASTM D1621	ASTM C518	ASTM E96	ASTM C203	ASTM D1622	-	-	-
psi (kPa)	F·ft ² ·hr/Btu (m ² K/W)	US perms (ng/Pa·s·m ²)	psi (kPa)	lb/ft ³ (kg/m ³)	inches (mm)	inches (mm)	inches (mm)
30	10	0.42	52	1.5	24×48	3-3/8"	3/8, 1/2, 3/4, 1

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