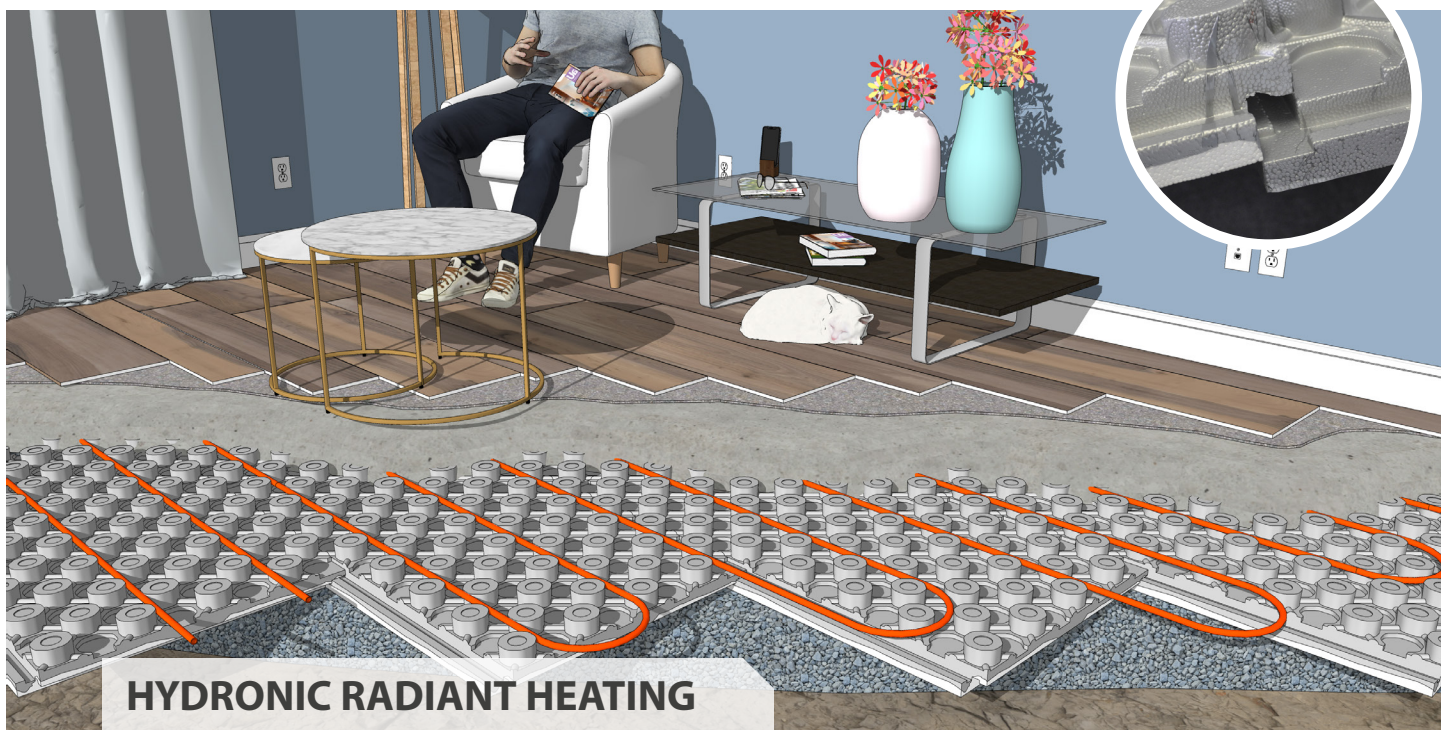


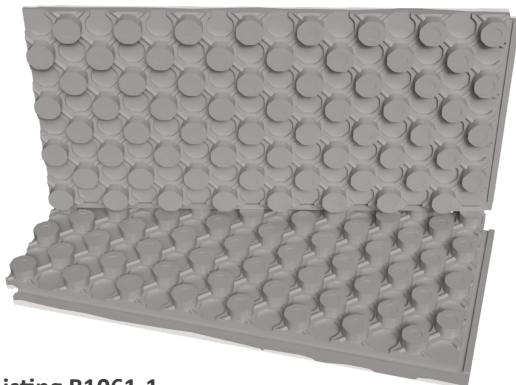
Ampex Insulated Floor Panels



HYDRONIC RADIANT HEATING

Ampex 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.



QAI Listing B1061-1

Alleguard Advantage

- Consistent 3" (76mm) grid pattern of the panel allows for uniform pipe layout.
- Light and manageable 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).

Availability

Ampex is also available in Type XV, 60psi (414kPa) at R10, R12, R14 and R16 versions with minimum order quantities for special order. Please contact your local territory manager for more information.

Applications

- Under concrete slab
- Basement slab
- Slab on grade
- Snow melt for driveways and walkways
- Garage and workshops
- Agricultural

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

Alleguard 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 ⁴	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)
AMPEX 2015F ¹	30 (207)	10 (1.76)	0.42 (23.8)	52 (359)	1.5 (24)	24x48 (610x1219)	3-3/8 (86)	3/8, 1/2, 5/8, 3/4, 1 (10, 13, 16, 19, 25)
AMPEX 2515F ¹	30 (207)	12 (2.11)	0.42 (23.8)	52 (359)	1.5 (24)	24x48 (610x1219)	3-7/8 (98)	3/8, 1/2, 5/8, 3/4, 1 (10, 13, 16, 19, 25)
AMPEX 3015F ¹	30 (207)	14 (2.47)	0.42 (23.8)	52 (359)	1.5 (24)	24x48 (610x1219)	4-3/8 (111)	3/8, 1/2, 5/8, 3/4, 1 (10, 13, 16, 19, 25)
AMPEX 3515F ¹	30 (207)	16 (2.82)	0.42 (23.8)	52 (359)	1.5 (24)	24x48 (610x1219)	4-7/8 (124)	3/8, 1/2, 5/8, 3/4, 1 (10, 13, 16, 19, 25)
AMPEX 2020F ²	45 (310)	10 (1.76)	0.31 (17.5)	69 (476)	2.0 (32)	24x48 (610x1219)	3-3/8 (86)	3/8, 1/2, 5/8, 3/4, 1 (10, 13, 16, 19, 25)
AMPEX 2520F ²	45 (310)	12 (2.11)	0.31 (17.5)	69 (476)	2.0 (32)	24x48 (610x1219)	3-7/8 (98)	3/8, 1/2, 5/8, 3/4, 1 (9.5, 13, 16, 19, 25)
AMPEX 3020F ²	45 (310)	14 (2.47)	0.31 (17.5)	69 (476)	2.0 (32)	24x48 (610x1219)	4-3/8 (111)	3/8, 1/2, 5/8, 3/4, 1 (10, 13, 16, 19, 25)
AMPEX 3520F ²	45 (310)	16 (2.82)	0.31 (17.5)	69 (476)	2.0 (32)	24x48 (610x1219)	4-7/8 (124)	3/8, 1/2, 5/8, 3/4, 1 (10, 13, 16, 19, 25)

¹ CAN/ULC-S701.1 Type 2 or ASTM C578 Type II

² ASTM C578 Type IX

³ Actual panel size is 25.25x49.25" (641x1251mm)

⁴ Panel thickness (height) includes height of nubs of 1-3/8" (35mm)

⁵ Concrete slab thickness measured from top of nubs

⁶ 60psi (414kPa) panels are available as special order, please contact your local territory manager for details