

RadiantPEX-AL™

Cross-Linked Polyethylene x Aluminum x Cross-Linked Polyethylene



"Stays right where you place it."

For
**Radiant Heating,
Snow Melting and
Hydronic Piping**



RadiantPEX-AL Tools

15" PressTool with interchangeable jaws in 1/2", 5/8", and 3/4" sizes.



19" PressTool with interchangeable jaws in 1/2", 5/8", 3/4", and 1" sizes.



RadiantPEX-AL reamers and pipe bending tool



RadiantPEX-AL Fitting Systems

Watts Radiant offers three jobsite-proven connection systems that are made to the ASTM F-1281-05 standard for pipe and fittings.



Press Fittings:

This proven permanent connection features a brass body with double o-ring seals, stainless steel sleeves (included with all press fittings), and a polymer insulator against the pipe end. Press fittings available for 1/2"-1" (no 3/8" press fittings).

Compression Fittings:

All-brass body fitting seals without special tools with double o-ring seals and a polymer insulator against the pipe end. Compression fittings available for 3/8"-1".



SS-T20 Compression and Press fittings:

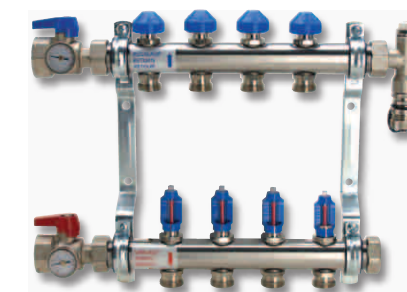
These fittings are designed for use with Stainless Steel or T20 copper manifolds.

These specialty fittings integrate the features of either a Press or Compression fitting with the ease of a T20.

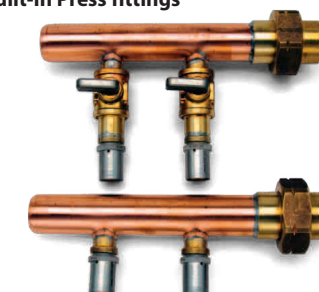
SS-T20 Connections are made directly to any Stainless Steel or T20 Copper Manifold.

RadiantPEX-AL manifolds

Use RadiantPEX-AL SS-T20 Press and Compression fittings with Watts Radiant's Stainless Steel manifolds.



Watts Radiant copper manifolds with built-in Press fittings



Watts Radiant copper manifolds with built-in compression fittings.



RadiantPEX-AL Specifications

Note: Operating Temperature / Pressure for all sizes is 180°F at 125psi.

COILS	I.D.	O.D.	MIN. BEND RADIUS	STANDARD COIL LENGTHS	FLUID CAPACITY PER 1000'
3/8" RadiantPEX-AL	0.346 in	0.472 in	2.5 in	200'	5.3 Gal.
1/2" RadiantPEX-AL	0.500 in	0.630 in	3.2 in	300'/500'/1000'	9.1 Gal.
5/8" RadiantPEX-AL	0.637 in	0.787 in	4.0 in	300'/1200'	16.2 Gal.
3/4" RadiantPEX-AL	0.806 in	0.984 in	5.5 in	100'/300'/500'	25.3 Gal.
1" RadiantPEX-AL	1.032 in	1.260 in	6.5 in	100'/300'	39.5 Gal.

In the United States:
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Burlington, ON L7L 5H7
1-888-208-8927 toll-free
905-332-4090 phone
905-332-7068 fax
www.wattscanada.ca

Watts Radiant is an ISO9001:2008 approved facility.

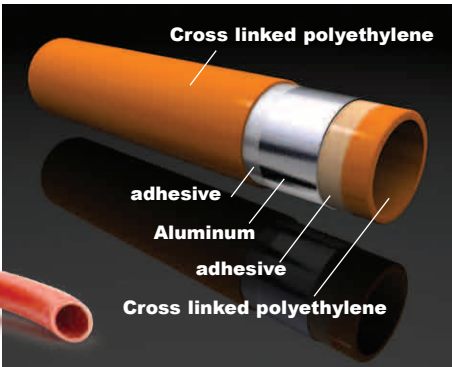
WattsRadiant™
Floor Heating & Snow Melting

WattsRadiant™
Floor Heating & Snow Melting
A Watts Water Technologies Company

The RadiantPEX-AL Advantage

RadiantPEX-AL is a composite tubing made of 3 layers (Pex-Aluminum-Pex).

- Easier installations - bend it and it stays in place
- Almost no thermal expansion (85% less than PEX)
- Superior Aluminum Oxygen Barrier
- Smaller bend ratio than PEX
- Retains flexibility in cold weather



RadiantPEX-AL construction



RadiantPEX-AL stays where you want it, making tie-down easier.



RadiantPEX-AL works great with SubRay for a thin profile subfloor.



You can install RadiantPEX-AL on the underside of a subfloor, using underfloor plates.



RadiantPEX-AL bends to conform to the shape of outdoor steps for snow melting.

RadiantPEX-AL™

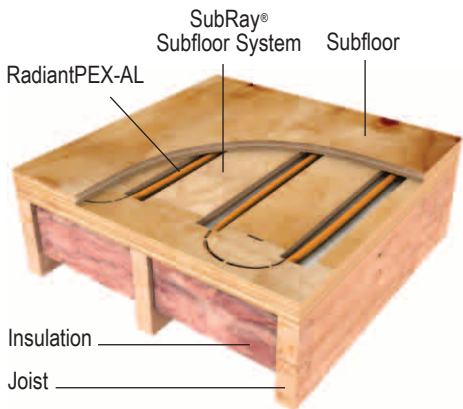
Cross-Linked Polyethylene x Aluminum x Cross-Linked Polyethylene

RadiantPEX-AL Is Built to Last

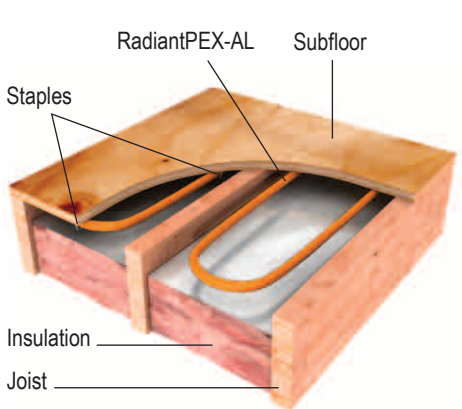
Pipe and fittings are manufactured to American Standard Testing Methods for composite radiant pipe (ASTM F-1281-05). Included are requirements and test methods for materials, workmanship, dimensions, environmental stress cracking, sustained hydrostatic pressure strength, thermo-cycling resistance and bend strength, among other tests. RadiantPEX-AL meets or exceeds these specifications.

Use RadiantPEX-AL for Distribution Piping

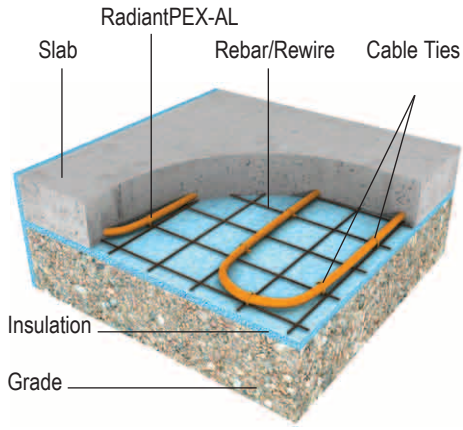
Use RadiantPEX-AL as supply and return piping to manifolds, fan coils, baseboards and radiators. Once you try it, you'll never go back to using expensive, time-consuming copper.



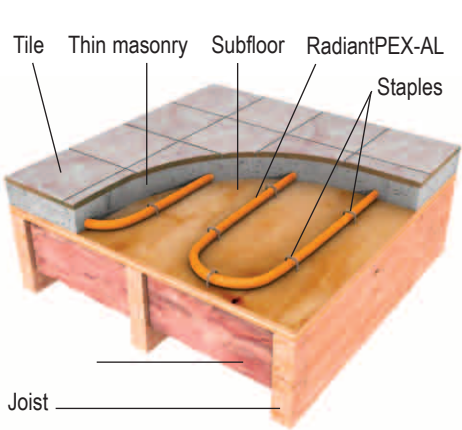
Install over subfloors with the SubRay system.



Staple up below subfloors to heat the room above.



Pour concrete over for heating or snow melting.



Install in a thin concrete, gypsum or self-leveling floor.

