

Job Name _____
 Job Location _____
 Engineer _____
 Approval _____

Contractor _____
 Approval _____
 Contractor's P.O. No. _____
 Representative _____

RadiantPEX+™

RadiantPEX+ Tubing

Sizes: **3/8" (9.5 mm)**
1/2" (12.7 mm)
5/8" (19.5 mm)
3/4" (19.1 mm)
1" (25.4 mm)

Watts Radiant's RadiantPEX+ is cross-linked polyethylene tubing used for radiant floor heating, snow melting, and distribution piping. RadiantPEX+ is manufactured with an integral ethylene vinyl alcohol (EVOH) DIN Standard O2 barrier that limits oxygen diffusion through the walls of the tubing to less than 0.10g/m3/day at 104°F (40°C) water temperature. RadiantPEX+ adds a protective polypropylene layer to the outside of the EVOH oxygen barrier.

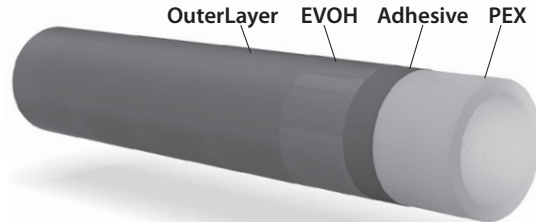
Operating Temperature & Pressure	
Max. Temperature	Max. Pressure
200°F (93.3°C)	80 psi (5.5 bar)
180°F (82.2°C)	100 psi (6.9 bar)
73.4°F (22.7°C)	160 psi (11.0 bar)

Specifications

System shall be installed using Watts Radiant RadiantPEX+ tubing. All connections shall be made using Watts Radiant's CinchClamp, CrimpRing, or Compression fittings of corresponding size and in accordance with all corresponding installation guidelines.

Installation

RadiantPEX+ must be installed in accordance with all Watts Radiant installation procedures, including information provided in Watts Radiant's RadiantPEX®, RadiantPEX+ & RadiantPEX-AL™ Installation Manual.



Codes Listings and Standards



RadiantPEX+ is manufactured ASTM F-876-09 and F-877 standards and to SDR-9 dimensions.

RadiantPEX+ conforms to ASTM E84 and UL263.

RadiantPEX+ is listed by the International Code Council Evaluation Service (ICC) to Report #ESR-1155 and PMG-1008 which give compliance to IPC, IMC, UMC, and UPC.



RadiantPEX+ is tested and listed by the National Sanitation Foundation to NSF-14 (rfh).



All RadiantPEX+ is certified to CSA Standard B137.5.

RadiantPEX+ Tubing Specifications								
Quant.	Model #	Description	ID (in.)	OD (in.)	Stick and Coil Lengths	Min. Bend Radius (in)	Fluid Capacity (Gal/100')	
	PB032061	3/8" (9.5 mm) RadiantPEX+	0.360" (9.1 mm)	1/2" (12.7 mm)	600 ft. (182.9 m)	4" (101.6 mm)	0.53 (2.4 l)	
	PB032081	1/2" (12.7 mm) RadiantPEX+	0.485" (12.3 mm)	5/8" (15.9 mm)	100' (30.5 m), 300' (91.4 m), 500' (152.4 m), 600' (182.9 m), 1000' (304.8 m)*	5" (127.0 mm)	0.96 (4.4 l)	
	PB032101	5/8" (15.9 mm) RadiantPEX+	0.584" (14.8 mm)	3/4" (19.1 mm)	300' (91.4 m), 500' (152.4 m), 600' (182.9 m), 1200' (362.8 m)*	6" (152.4 mm)	1.39 (6.3 l)	
	PB032121	3/4" (19.1 mm) RadiantPEX+	0.681" (17.3 mm)	7/8" (22.2 mm)	20' (6.1 m), 100' (30.5 m), 300' (91.4 m), 500' (152.4 m), 600' (182.9 m), 1000' (304.8 m), 1200' (362.8 m)*	7" (177.8 mm)	1.89 (8.6 l)	
	PB032161	1" (25.4 mm) RadiantPEX+	0.875" (22.2 mm)	1-1/8" (28.6 mm)	20' (6.1 m), 100' (30.5 m), 300' (91.4 m), 600' (182.9 m)*	9" (228.6 mm)	3.12 (14.2 l)	

CAUTION

This Engineering Sheet is not intended to provide full installation instructions and safety information. In order to avoid property damage or injury, please refer to the complete installation manual and product safety information provided with the product.

* Also available in custom coil lengths. Contact Watts Radiant for minimum order requirements.



Watts product specifications in U.S. customary units and metric are approximate and are provided for reference only. For precise measurements, please contact Watts Technical Service. Watts reserves the right to change or modify product design, construction, specifications, or materials without prior notice and without incurring any obligation to make such changes and modifications on Watts products previously or subsequently sold.

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