

Radiant Rollout Mats

Project Information

Job name:	Location:
Engineer:	Date submitted:
Contractor:	Submitted by:
Manufacturer's representative:	Approved by:

Technical data

Material	PEX
Temp/pressure ratings	73 °F (23 °C) at 160 psi (11 bar) 180 °F (82 °C) at 100 psi (6.9 bar) 200 °F (93 °C) at 80 psi (5.5 bar)
Prop 65 label required?	Yes

Product information and application use

The Radiant Rollout™ Mat features 1/2" or 5/8" Wirsbo hePEXTM tubing that has an oxygen-diffusion barrier that meets German DIN 4726/9. The mat can include a 3/4" reverse-return header with 3/4" ProPEX EP fittings that is pressurized to 20 psi to ensure system integrity. The mat can also be designed without a reverse-return header. In this instance, it is not prepressurized and can connect to a wall manifold such as the TruFLOW™ Classic Manifold



Part name	Part no.	Subcomponent Material	Inner diameter pipe [inch]	Outer diameter pipe [inch]	Weight per UOM [lbs/UOM]
1/2" Wirsbo hePEX Radiant Rollout Mat (6" o.c.), 5 loop	M2306060000	UDEL polysulfone (PSU) 20% glass-reinforced for ProPEX engineered polymer (EP) fittings; Acetal polymer for support strip bracing; Nylon zip ties; Brass Schrader valve	-	-	0
1/2" Wirsbo hePEX Radiant Rollout Mat (9" o.c.), 3 loop	M2309054000	UDEL polysulfone (PSU) 20% glass-reinforced for ProPEX engineered polymer (EP) fittings Acetal polymer for support strip bracing; Nylon zip ties; Brass Schrader valve	-	-	0
1/2" Wirsbo hePEX Radiant Rollout Mat (12" o.c.), 3 loop	M2312072000	UDEL polysulfone (PSU) 20% glass-reinforced for ProPEX engineered polymer (EP) fittings Acetal polymer for support strip bracing; Nylon zip ties; Brass Schrader valve	0.4902	0.748	0.005
5/8" Wirsbo hePEX Radiant Rollout Mat (6" o.c.), 5 loop	M2406060000	UDEL polysulfone (PSU) 20% glass-reinforced for ProPEX engineered polymer (EP) fittings Acetal polymer for support strip bracing; Nylon zip ties; Brass Schrader valve	0.6299	0.8661	0.006
5/8" Wirsbo hePEX Radiant Rollout Mat (9" o.c.), 3 loop	M2409054000	UDEL polysulfone (PSU) 20% glass-reinforced for ProPEX engineered polymer (EP) fittings Acetal polymer for support strip bracing; Nylon zip ties; Brass Schrader valve	0.6299	0.8661	0.006
5/8" Wirsbo hePEX Radiant Rollout Mat (12" o.c.), 3 loop	M2412072000	UDEL polysulfone (PSU) 20% glass-	0.6299	0.8661	0.01

reinforced for ProPEX
engineered polymer
(EP) fittings
Acetal polymer for
support strip bracing;
Nylon zip ties; Brass
Schrader valve

Part name	Part no.	Codes	Standards	Listings
Radiant Rollout Mats	All	IMC UPC IRC NBC of Canada IPC UFGS NPC of Canada UMC NSPC	ASTM F1960 ASTM E119/UL 263 ASTM F876 ASTM E84 ASTM F2023 ASTM E814/ULC S115 ASTM F877 CSA B137.5 ULC S102.2 CSA B214 NSF-61 ULC S101 NSF-14	IAPMO-ES ICC-ES-PMG cNSFus- rth CCMC PPI TR-4 CSA UL cQALus P321 HUD MR 1269

In addition, the following parts have additional codes, standards, or listings:

1/2" Wirsbo hePEX Radiant Rollout Mat (6" o.c.), 5 loop	M2306060000
1/2" Wirsbo hePEX Radiant Rollout Mat (9" o.c.), 3 loop	M2309054000
1/2" Wirsbo hePEX Radiant Rollout Mat (12" o.c.), 3 loop	M2312072000
5/8" Wirsbo hePEX Radiant Rollout Mat (6" o.c.), 5 loop	M2406060000
5/8" Wirsbo hePEX Radiant Rollout Mat (9" o.c.), 3 loop	M2409054000
5/8" Wirsbo hePEX Radiant Rollout Mat (12" o.c.), 3 loop	M2412072000

Installation	Related applications
At the jobsite, roll out the mat and, depending on your header/manifold selection, connect to a supply-and-return line using the attached header (optional) or connect each loop to a wall manifold (optional). Contact your local Uponor representative for more information.	Radiant Heating and Cooling Systems Permafrost Protection Systems Turf Conditioning Systems

Notes

5' wide; place every 7' length; pre-drilled anchor points; acetal polymer

Footnotes	Contact information
-	Uponor Inc. 5925 148th Street West Apple Valley, MN 55124 T 800.321.4739 F 952.891.2008 Uponor Ltd. 6510 Kennedy Road Mississauga, ON L5T 2X4 T 888.594.7726 F 800.638.9517