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 RolloutTM Mat features ½" or ⅝" Wirsbo hePEXTM tubing that has an oxygen-diffusion barrier that meets German DIN 4726/9. The mat can include a ¾" reverse-return header with ¾" 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

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	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-rfh|CCMC|PPI TR-4|CSA|UL|cQAIus 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

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