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.	Inner diameter pipe [inch]	Outer diameter pipe [inch]	Subcomponent Material	Weight per UOM [lbs/UOM]
1/2" Wirsbo hePEX Radiant Rollout Mat (6" o.c.), 5 loop	M2306060000	0.475	0.625	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	0.475	0.625	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	0.475	0.625	UDEL polysulfone (PSU) 20% glass-reinforced for ProPEX engineered polymer (EP) fittings Acetal polymer for support strip bracing; Nylon zip ties; Brass Schrader valve	0.005
5/8" Wirsbo hePEX Radiant Rollout Mat (6" o.c.), 5 loop	M2406060000	0.574	0.75	UDEL polysulfone (PSU) 20% glass-reinforced for ProPEX engineered polymer (EP) fittings Acetal polymer for support strip bracing; Nylon zip ties; Brass Schrader valve	0.006
5/8" Wirsbo hePEX Radiant Rollout Mat (9" o.c.), 3 loop	M2409054000	0.574	0.75	UDEL polysulfone (PSU) 20% glass-reinforced for ProPEX engineered polymer (EP) fittings Acetal polymer for support strip bracing; Nylon zip ties; Brass Schrader valve	0.006
5/8" Wirsbo hePEX Radiant Rollout Mat (12" o.c.), 3 loop	M2412072000	0.574	0.75	UDEL polysulfone (PSU) 20% glass-	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	UPC|IMC|NBC of Canada|IPC|IRC|UMC|NSPC|UFGS|NPC of Canada	ASTM E119/UL 263|ASTM F1960|ASTM E84|ASTM F2023|ASTM E814/ULC S115|CSA B214|CSA B137.5|NSF/ANSI 14|NSF/ANSI/CAN 61|ASTM F876|ASTM F877|ULC S102.2|ULC S101	IAPMO-ES|ICC-ES-PMG|CSA|CCMC|PPI TR-4|cQAIus P321|UL|HUD MR 1269|cNSFus-rfh

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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