Radiant Rollout™ Mat with Wirsbo hePEX™ Tubing

Submittal Information
Revision G: Jan. 7, 2014

Project Information

Job Name:

Location: Part No. Ordered:

Engineer: Date Submitted:

Contractor: Submitted By:

Manufacturer's Representative: Approved By:

Technical Data

Materials:	Crosslinked polyethylene (PEX-a) Engel method UDEL® polysulfone (PSU) 20% glass-reinforced for ProPEX® engineered polymer (EP) fittings[1] Acetal polymer for support strip bracing; Nylon zip ties; Brass Schrader® valve
Standard Grade Hydrostatic Ratings (PPI):	200°F at 80 psi (93°C at 5.51 bar) 180°F at 100 psi (82°C at 6.89 bar) 73.4°F at 160 psi (23°C at 11.03 bar)
Linear Expansion Rate:	1.1"/10°F per 100' (27.94mm/5.56°C per 30.48m)

Product Information and Application Use

The Radiant Rollout™ Mat features ½" or ⅝" Wirsbo hePEX™ 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. Instead it is not pre-pressurized and can connect to a wall manifold such as the TruFLOW™ Classic Manifold.

✓	Description	Part Number	Loops	Roll Height	Roll Length	Support Strip Bracing	Roll Width	Roll Weight
☐	½" Wirsbo hePEX Radiant Rollout Mat (6" o.c.), 5 loop	M2306060000	5	2' to 4'	40' to 150'	5' wide; place every 7' length; pre-drilled anchor points; acetal polymer	5'	27.20 to 91.46 lbs.
☐	½" Wirsbo hePEX Radiant Rollout Mat (9" o.c.), 3 loop	M2309054000	3	2' to 4'	40' to 150'	5' wide; place every 7' length; pre-drilled anchor points; acetal polymer	4.5'	18.21 to 59.17 lbs.
☐	½" Wirsbo hePEX Radiant Rollout Mat (12" o.c.), 3 loop	M2312072000	3	2' to 4'	40' to 150'	5' wide; place every 7' length; pre-drilled anchor points; acetal polymer	6'	18.51 to 59.47 lbs.
☐	⅝" Wirsbo hePEX Radiant Rollout Mat (6" o.c.), 5 loop	M2406060000	5	2' to 4'	40' to 225'	5' wide; place every 7' length; pre-drilled anchor points; acetal polymer	5'	36.52 to 187.48 lbs.
☐	⅝" Wirsbo hePEX Radiant Rollout Mat (9" o.c.), 3 loop	M2409054000	3	2' to 4'	40' to 225'	5' wide; place every 7' length; pre-drilled anchor points; acetal polymer	4.5'	23.81 to 118.54 lbs.
☐	⅝" Wirsbo hePEX Radiant Rollout Mat (12" o.c.), 3 loop	M2412072000	3	2' to 4'	40' to 225'	5' wide; place every 7' length; pre-drilled anchor points; acetal polymer	6'	24.11 to 118.84 lbs.

Installation

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.

Listings[2]

cNSFus-rfh; cNSFus-pw; cQAIus; UL; CSA; WH; ETL; PPI TR-4; ICC-ES; IAPMO; CCMC

Codes

ICC; IPC; IMC; IRC; UPC; UMC; NSPC; HUD; UFGS; NPC of Canada; NBC of Canada

Standards

ANSI/NSF 14; ANSI/NSF 61; ASTM F876; ASTM F877; ASTM F1960; ASTM F2023; ASTM E84; CAN/ULC S102.2; ASTM E119/UL 263; CAN/ULC S101; ASTM E814/ULC S115; CSA B137.5; CSA B214; DIN 4726/9

Related Applications

Radiant Heating and Cooling Systems
Snow and Ice Melting Systems
Permafrost Protection Systems
Turf Conditioning Systems

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