

Pre-insulated Uponor AquaPEX® with 1/2" Insulation, Coils

Submittal Information

Revision H: May 19, 2015

Project Information

Job Name:

Location: _____ Part No. Ordered: _____

Engineer: _____ Date Submitted: _____

Contractor: _____ Submitted By: _____

Manufacturer's Representative: _____ Approved By: _____

Technical Data

| | |
|---|---|
| Service Pipe: | Crosslinked polyethylene PEX-a Engel method tubing encased in 1/2" PEX-foam insulation; PEX 5106 |
| Insulation: | Multi-layered, closed-cell, crosslinked polyethylene foam |
| Thermal Conductivity: | 0.250 Btu.in/sq.ft.h.degF |
| Operating Condition Limits: (hydrostatic ratings) | 200°F (93°C) at 80 psi (551 kPa) 180°F (82°C) at 100 psi (689 kPa) 73.4°F (23°C) at 160 psi (1,103 kPa) 1/2"-2" Uponor AquaPEX® White only: 120°F (49°C) at 130 psi (896 kPa) |
| Linear Expansion Rate: | 1.10"/10°F/100' (27.94mm/5.56°C/30.48m) |



Product Information and Application Use

Pre-insulated Uponor AquaPEX® tubing offers all the benefits of Uponor AquaPEX (durable, flexible, corrosion-resistant) but encased in 1/2" PEX-foam insulation to insulate potable water lines and meet national, state and local energy codes. The tubing is approved for use in hot and cold domestic potable water systems, residential fire safety and hydronic radiant heating and cooling systems containing no ferrous corrodible components or where ferrous components are isolated from the tubing. This product is not intended for direct-burial applications in soil or concrete.

| ✓ Description | Part Number | O.D. | Heat Loss (at 70° Delta T) | R-Value | Coil Size (O.D. x Width) | Weight (lb./coil) |
|---|-------------|-------|----------------------------|---------|--------------------------|-------------------|
| 1/2" Pre-insulated AquaPEX with 1/2" insulation, 100-ft. coil | F6040500 | 1.81" | 7.4 BTU/hr/ft | 3.9 | 32.38" x 12.40" | 8.0 lbs. |
| 3/4" Pre-insulated AquaPEX with 1/2" insulation, 100-ft. coil | F6040750 | 2.06" | 9.0 BTU/hr/ft | 3.6 | 32.38" x 12.40" | 12.8 lbs. |
| 1" Pre-insulated AquaPEX with 1/2" insulation, 100-ft. coil | F6041000 | 2.31" | 10.6 BTU/hr/ft | 3.4 | 57.00" x 10.00" | 21.0 lbs. |
| 1 1/4" Pre-insulated AquaPEX with 1/2" insulation, 100-ft. coil | F6041250 | 2.56" | 12.1 BTU/hr/ft | 3.3 | 59.00" x 10.00" | 30.0 lbs. |
| 1 1/2" Pre-insulated AquaPEX with 1/2" insulation, 100-ft. coil | F6041500 | 2.81" | 13.6 BTU/hr/ft | 3.2 | 59.00" x 10.00" | 42.0 lbs. |
| 2" Pre-insulated AquaPEX with 1/2" insulation, 100-ft. coil | F6042000 | 3.31" | 16.5 BTU/hr/ft | 3.1 | 64.00" x 11.00" | 65.0 lbs. |

Installation

Approved fitting system is ProPEX®.¹ The product is not intended for direct-burial applications in soil or concrete. Refer to the Uponor AquaPEX Professional Plumbing Installation Guide, AquaSAFE™ Residential Fire Sprinkler Installation Guide or Uponor Radiant Installation Handbook for additional information.

Listings²

cNSFus-fs³; cNSFus-pw; cQAIus⁵; UL; CSA; WH⁵; ETL⁵; PPI TR-4; ICC-ES; IAPMO; BMEC; 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 E84⁵; CAN/ULC S102.2⁵; ASTM E119/UL 263; CAN/ULC S101; ASTM E814/ULC S115; AWWA C904⁴; CSA B137.5; CSA B214; UL 1821³; ULC/ORD-C199P³

Related Applications

Uponor Plumbing Systems
Radiant Heating and Cooling Systems
AquaSAFE™ Fire Safety Systems
Hydronic Piping Systems

Contact Information

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¹ProPEX® is a registered trademark of Uponor, Inc. ProPEX™ is a trademark of Uponor Ltd.; ²Visit listing agency's website for complete information; ³For 1/2", 3/4", 1", 1 1/4", 1 1/2" and 2" tubing only; ⁴For 3/4" tubing and larger; ⁵See listings/standards for un-insulated Uponor AquaPEX.