

Ecoflex thermal single coils

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)

Product Information and application use

Uponor's Ecoflex® Thermal Single is a pre-insulated pipe for buried or aboveground commercial and residential hydronic heating and cooling applications. Service pipes are made from durable Engel-method crosslinked polyethylene (PEX-a) tubing with multilayer PEX-foam insulation and covered by a corrugated, waterproof HDPE jacket. Use with ProPEX® Fittings or WIPEX™ dezincification-resistant (DZR) brass compression fittings.¹



Part name	Part no.	Inner diameter coil [inch]	Outer diameter coil [inch]	Coil width [inch]	Inner diameter pipe [inch]	Outer diameter pipe [inch]	Weight per UOM [lbs/UOM]
1" Thermal Single with 2.7" Jacket, 1,000-ft. coil	5012710	2.7	12	2.7	0.862	1.125	0.38
3/4" Thermal Single with 2.7" Jacket, 1,000-ft. coil	5012775	2.7	12	2.7	0.671	0.875	0.35
1" Thermal Single with 5.5" Jacket, 600-ft. coil	5015510	5.5	12	5.5	0.862	1.125	0.75
1 1/4" Thermal Single with 5.5" Jacket, 500-ft. coil	5015513	5.5	12	5.5	1.054	1.375	0.85
1 1/2" Thermal Single with 6.9" Jacket, 300-ft. coil	5016915	6.9	12	6.9	1.244	1.625	1.4
2" Thermal Single with 6.9" Jacket, 300-ft. coil	5016920	6.9	12	6.9	1.629	2.125	1.8
2 1/2" Thermal Single with 6.9" Jacket, 300-ft. coil	5016925	6.9	12	6.9	2.011	2.625	1.97
3" Thermal Single with 7.9" Jacket, 300-ft. coil	5017930	7.9	12	7.9	2.398	3.125	2.8
3 1/2" Thermal Single with 7.9" Jacket, 300-ft. coil	5017935	7.9	12	7.9	2.784	3.625	2.98
4" Thermal Single with 7.9" Jacket, 300-ft. coil	5017940	7.9	12	7.9	3.169	4.125	3.7

Installation

Install Ecoflex Thermal Single pre-insulated pipe in buried or aboveground hydronic heating and cooling applications. Use Uponor ProPEX or WIPEX DZR brass compression fittings. Ecoflex End Caps are required on all exposed ends of Ecoflex pipes to avoid ground water contamination. For more information, refer to the Uponor Pre-insulated Pipe Systems Design and Installation Manual.

Related applications

- Pre-Insulated Pipe Systems
- Hydronic Heating and Cooling Systems
- Radiant Heating and Cooling Systems
- Permafrost Prevention Systems
- Turf Conditioning Systems

Codes

UPC|IPC|NPC of Canada|UMC|NSPC|IMC

Standards

ASTM F1960|CSA B137.5|NSF-61|NSF-14*

Listings

cNSFus-pw|cNSFus-rfh|U.P.Code

Trademark information

ProPEX® is a registered trademark of Uponor Inc. ProPEX™ is a trademark of Uponor Ltd.
* Some SKUs in this family have additional codes, standards, or listings. Please see uponor.com for complete information.

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