

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.



Part name	Part no.	Inner diameter coil [inch]	Outer diameter coil [inch]	Coil width [inch]	Inner diameter pipe [inch]	Outer diameter pipe [inch]	R value	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	2.71	0.38
3/4" Thermal Single with 2.7" Jacket, 1,000-ft. coil	5012775	2.7	12	2.7	0.671	0.875	3.43	0.35
1" Thermal Single with 5.5" Jacket, 600-ft. coil	5015510	5.5	12	5.5	0.862	1.125	10.3	0.75
1 1/4" Thermal Single with 5.5" Jacket, 500-ft. coil	5015513	5.5	12	5.5	1.054	1.375	9.07	0.85
1 1/2" Thermal Single with 6.9" Jacket, 300-ft. coil	5016915	6.9	12	6.9	1.244	1.625	11.26	1.4
2" Thermal Single with 6.9" Jacket, 300-ft. coil	5016920	6.9	12	6.9	1.629	2.125	9.5	1.8
2 1/2" Thermal Single with 6.9" Jacket, 300-ft. coil	5016925	6.9	12	6.9	2.011	2.625	7.17	1.97
3" Thermal Single with 7.9" Jacket, 300-ft. coil	5017930	7.9	12	7.9	2.398	3.125	8.96	2.8
4" Thermal Single with 7.9" Jacket, 300-ft. coil	5017940	7.9	12	7.9	3.169	4.125	6.13	3.7

Part name	Part no.	Codes	Standards	Listings
Ecoflex thermal single coils	All	-	ASTM F877 ASTM F1960 NSF-61 NSF-14 ASTM F876	-
In addition, the following parts have additional codes, standards, or listings:				
1" Thermal Single with 2.7" Jacket, 1,000-ft. coil	5012710	UPC IPC NPC of Canada UMC NSPC IMC		cNSFus-pw cNSFus-rfh U.P.Code
3/4" Thermal Single with 2.7" Jacket, 1,000-ft. coil	5012775		CSA B137.5 NSF/ANSI/CAN 61 NSF/ANSI 14	
1" Thermal Single with 5.5" Jacket, 600-ft. coil	5015510	UPC IPC NPC of Canada UMC NSPC IMC	NSF/ANSI/CAN 61 NSF/ANSI 14	cNSFus-rfh cNSFus-pw U.P.Code
1 1/4" Thermal Single with 5.5" Jacket, 500-ft. coil	5015513	UPC IPC NPC of Canada UMC NSPC IMC	NSF/ANSI/CAN 61 NSF/ANSI 14	cNSFus-rfh cNSFus-pw U.P.Code
1 1/2" Thermal Single with 6.9" Jacket, 300-ft. coil	5016915	UPC IPC NPC of Canada UMC NSPC IMC	NSF/ANSI/CAN 61 NSF/ANSI 14	cNSFus-rfh cNSFus-pw U.P.Code
2" Thermal Single with 6.9" Jacket, 300-ft. coil	5016920	UPC IPC NPC of Canada UMC NSPC IMC	NSF/ANSI/CAN 61 NSF/ANSI 14	cNSFus-rfh cNSFus-pw U.P.Code
2 1/2" Thermal Single with 6.9" Jacket, 300-ft. coil	5016925	UPC IPC NPC of Canada UMC NSPC IMC	CSA B137.5 NSF/ANSI/CAN 61 NSF/ANSI 14	cNSFus-rfh cNSFus-pw U.P.Code
3" Thermal Single with 7.9" Jacket, 300-ft. coil	5017930	UPC IPC NPC of Canada UMC NSPC IMC	CSA B137.5 NSF/ANSI/CAN 61 NSF/ANSI 14	cNSFus-rfh cNSFus-pw U.P.Code
4" Thermal Single with 7.9" Jacket, 300-ft. coil	5017940	UPC IPC NPC of Canada UMC NSPC IMC	CSA B137.5 NSF/ANSI/CAN 61 NSF/ANSI 14	cNSFus-rfh cNSFus-pw U.P.Code

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

Footnotes

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Contact information

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