

Ecoflex thermal single coils

Project Information

Job name:	Location:
Engineer:	Date submitted:
Contractor:	Submitted by:
Manufacturer's representative:	Approved by:

Technical data

Material	PEX
Subcomponent Material	Material Jacket: Corrugated seamless high-density polyethylene (HDPE); UV-protected
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]
3/4" Thermal Single with 2.7" Jacket, 1,000-ft. coil	5012775	2.7	12	2.7	0.671	0.875	9.3	0.35
1" Thermal Single with 2.7" Jacket, 1,000-ft. coil	5012710	2.7	12	2.7	0.862	1.125	7.4	0.38
1" Thermal Single with 5.5" Jacket, 600-ft. coil	5015510	5.5	12	5.5	0.862	1.125	12.3	0.75
1 1/4" Thermal Single with 5.5" Jacket, 500-ft. coil	5015513	5.5	12	5.5	1.054	1.375	10.7	0.85
1 1/2" Thermal Single with 6.9" Jacket, 300-ft. coil	5016915	6.9	12	6.9	1.244	1.625	10.8	1.4
2" Thermal Single with 6.9" Jacket, 300-ft. coil	5016920	6.9	12	6.9	1.629	2.125	8.9	1.8
2 1/2" Thermal Single with 6.9" Jacket, 300-ft. coil	5016925	6.9	12	6.9	2.011	2.625	7.2	1.97
3" Thermal Single with 7.9" Jacket, 300-ft. coil	5017930	7.9	12	7.9	2.398	3.125	7	2.8
4" Thermal Single with 7.9" Jacket, 300-ft. coil	5017940	7.9	12	7.9	3.169	4.125	4.8	3.7

Part name	Part no.	Codes	Standards	Listings
Ecoflex thermal single coils	All	UPC IPC NPC of Canada UMC NSPC IMC	ASTM F1960 NSF/ANSI/CAN 61 NSF/ANSI 14	cNSFus-rfh cNSFus-pw U.P.Code

In addition, the following parts have additional codes, standards, or listings:

3/4" Thermal Single with 2.7" Jacket, 1,000-ft. coil	5012775		CSA B137.5	
1" Thermal Single with 2.7" Jacket, 1,000-ft. coil	5012710		ASTM F877 ASTM F876	
1" Thermal Single with 5.5" Jacket, 600-ft. coil	5015510		ASTM F877 ASTM F876	
1 1/4" Thermal Single with 5.5" Jacket, 500-ft. coil	5015513		ASTM F877 ASTM F876	
1 1/2" Thermal Single with 6.9" Jacket, 300-ft. coil	5016915		ASTM F877 ASTM F876	
2" Thermal Single with 6.9" Jacket, 300-ft. coil	5016920		ASTM F877 ASTM F876	
2 1/2" Thermal Single with 6.9" Jacket, 300-ft. coil	5016925		ASTM F877 CSA B137.5 ASTM F876	
3" Thermal Single with 7.9" Jacket, 300-ft. coil	5017930		ASTM F877 CSA B137.5 ASTM F876	
4" Thermal Single with 7.9" Jacket, 300-ft. coil	5017940		ASTM F877 CSA B137.5 ASTM F876	

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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