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-

 $\mbox{density polyethylene (HDPE); UV-protected} \\ \mbox{Temp/pressure ratings} \mbox{73 °F (23 °C) at 160 psi (11 bar)}$

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 Engelmethod 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 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]
5012775	2.7	12	2.7	0.671	0.875	9.3	0.35
5012710	2.7	12	2.7	0.862	1.125	7.4	0.38
5015510	5.5	12	5.5	0.862	1.125	12.3	0.75
5015513	5.5	12	5.5	1.054	1.375	10.7	0.85
5016915	6.9	12	6.9	1.244	1.625	10.8	1.4
5016920	6.9	12	6.9	1.629	2.125	8.9	1.8
5016925	6.9	12	6.9	2.011	2.625	7.2	1.97
5017930	7.9	12	7.9	2.398	3.125	7	2.8
5017935	7.9	12	7.9	2.784	3.625	-	2.98
5017940	7.9	12	7.9	3.169	4.125	4.8	3.7
	5012775 5012710 5015510 5015513 5016915 5016920 5016925 5017930 5017935	Part no. diameter coil [inch] 5012775 2.7 5012710 2.7 5015510 5.5 5015513 5.5 5016915 6.9 5016920 6.9 5016925 6.9 5017930 7.9 5017935 7.9	Part no. diameter coil [inch] diameter coil [inch] 5012775 2.7 12 5012710 2.7 12 5015510 5.5 12 5015513 5.5 12 5016915 6.9 12 5016920 6.9 12 5016925 6.9 12 5017930 7.9 12 5017935 7.9 12	Part no. diameter coil [inch] diameter coil [inch] Coil width [inch] 5012775 2.7 12 2.7 5012710 2.7 12 2.7 5015510 5.5 12 5.5 5015513 5.5 12 5.5 5016915 6.9 12 6.9 5016920 6.9 12 6.9 5016925 6.9 12 6.9 5017930 7.9 12 7.9 5017935 7.9 12 7.9	Part no. Inner diameter diameter coll [inch] Coll width [inch] diameter pipe [inch] 5012775 2.7 12 2.7 0.671 5012710 2.7 12 2.7 0.862 5015510 5.5 12 5.5 0.862 5015513 5.5 12 5.5 1.054 5016915 6.9 12 6.9 1.244 5016920 6.9 12 6.9 1.629 5016925 6.9 12 6.9 2.011 5017930 7.9 12 7.9 2.398 5017935 7.9 12 7.9 2.784	Part no. Inner diameter diameter diameter coil [inch] Coil width [inch] diameter pipe [inch] diameter pipe [inch] 5012775 2.7 12 2.7 0.671 0.875 5012710 2.7 12 2.7 0.862 1.125 5015510 5.5 12 5.5 0.862 1.125 5015513 5.5 12 5.5 1.054 1.375 5016915 6.9 12 6.9 1.244 1.625 5016920 6.9 12 6.9 1.629 2.125 5016925 6.9 12 6.9 2.011 2.625 5017930 7.9 12 7.9 2.398 3.125 5017935 7.9 12 7.9 2.784 3.625	Part no. Inner diameter diameter coll [inch] Coll width [inch] diameter pipe [inch] diameter pipe [inch] R value pipe [inch] 5012775 2.7 12 2.7 0.671 0.875 9.3 5012710 2.7 12 2.7 0.862 1.125 7.4 5015510 5.5 12 5.5 0.862 1.125 12.3 5015513 5.5 12 5.5 1.054 1.375 10.7 5016915 6.9 12 6.9 1.244 1.625 10.8 5016920 6.9 12 6.9 1.629 2.125 8.9 5016925 6.9 12 6.9 2.011 2.625 7.2 5017930 7.9 12 7.9 2.398 3.125 7 5017935 7.9 12 7.9 2.784 3.625 -

Part name	Part no.	Codes	Standards	Listings
Ecoflex thermal single coils	All	UPC IPC NPC of Canada UMC NSPC IMC	ASTM F1960	cNSFus-rfh cNSFus-pw U.P.Code
In addition, the following parts have a	additional codes, standards, or listings:			
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 2.7" Jacket, 1,000-ft. coil	5012710		ASTM F877 NSF/ANSI/CAN 61 ASTM F876 NSF/ANSI 14	
1" Thermal Single with 5.5" Jacket, 600-ft. coil	5015510		ASTM F877 NSF/ANSI/CAN 61 ASTM F876 NSF/ANSI 14	
1 1/4" Thermal Single with 5.5" Jacket, 500-ft. coil	5015513		ASTM F877 NSF/ANSI/CAN 61 ASTM F876 NSF/ANSI 14	
1 1/2" Thermal Single with 6.9" Jacket, 300-ft. coil	5016915		ASTM F877 NSF/ANSI/CAN 61 ASTM F876 NSF/ANSI 14	
2" Thermal Single with 6.9" Jacket, 300-ft. coil	5016920		ASTM F877 NSF/ANSI/CAN 61 ASTM F876 NSF/ANSI 14	
2 1/2" Thermal Single with 6.9" Jacket, 300-ft. coil	5016925		ASTM F877 CSA B137.5 NSF/ANSI/CAN 61 ASTM F876 NSF/ANSI 14	
3" Thermal Single with 7.9" Jacket, 300-ft. coil	5017930		ASTM F877 CSA B137.5 NSF/ANSI/CAN 61 ASTM F876 NSF/ANSI 14	
3 1/2" Thermal Single with 7.9" Jacket, 300-ft. coil	5017935		ASTM F877 CSA B137.5 ASTM F876 NSF-61 ASTM F876 NSF-14	
4" Thermal Single with 7.9" Jacket, 300-ft. coil	5017940		ASTM F877 CSA B137.5 NSF/ANSI/CAN 61 ASTM F876 NSF/ANSI 14	

Installation	Related applications
	Pre-Insulated Pipe Systems

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.

Pre-Insulated Pipe Systems

Hydronic Heating and Cooling Systems

Radiant Heating and Cooling Systems

Permafrost Prevention Systems

Turf Conditioning Systems

Footnotes	Contact information		
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