Ecoflex thermal twin 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 Twin is a pre-insulated pipe system 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, protected by multilayer PEX-foam insulation and covered by a corrugated, waterproof HDPE jacket. Use with Uponor ProPEX® fittings or WIPEX™ dezincification-resistant (DZR) brass compression fittings.1



Part name	Part no.	Inner diameter coil [mm]	Outer diameter coil [mm]	Inner diameter pipe [mm]	Outer diameter pipe [mm]	Subcomponent Material	R value	Weight per UOM [kg/UOM]
1" Thermal Twin with 6.9" Jacket, 600-ft. coil	5026910	175.26	304.8	21.9	28.58	Jacket: Corrugated seamless high-density polyethylene (HDPE); UV-protected	11.3	0.59
1 1/4" Thermal Twin Jr. with 5.5" Jacket, 600-ft. coil	5025513	139.7	304.8	26.77	34.92	Jacket: Corrugated seamless high-density polyethylene (HDPE); ?UV-protected	7.4	0.581
1 1/4" Thermal Twin with 6.9" Jacket, 500-ft. coil	5026913	175.26	304.8	26.77	34.92	Jacket: Corrugated seamless high-density polyethylene (HDPE); UV-protected	9.5	0.635
1 1/2" Thermal Twin with 6.9" Jacket, 300-ft. coil	5026915	175.26	304.8	31.6	41.28	Jacket: Corrugated seamless high-density polyethylene (HDPE); UV-protected	7.7	0.703
2" Thermal Twin with 7.9" Jacket, 300-ft. coil	5027920	200.66	304.8	41.38	53.98	Jacket: Corrugated seamless high-density polyethylene (HDPE); UV-protected	6.5	1.216
2 1/2" Thermal Twin with 7.9" Jacket, 300-ft. coil	5027925	200.66	304.8	51.08	66.68	Jacket: Corrugated seamless high-density polyethylene (HDPE); UV-protected	4.5	1.542

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Part name	Part no.	Codes	Standards	Listings
Ecoflex thermal twin coils	All	UPC|IPC|NPC of Canada|UMC|NSPC|IMC	ASTM F877|ASTM F1960|CSA B137.5|NSF/ANSI/CAN 61|ASTM F876|NSF/ANSI 14	cNSFus-rfh|cNSFus-pw|U.P.Code

Installation

Install Ecoflex Thermal Twin pre-insulated pipe in buried or aboveground hydronic heating and cooling applications. 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

AquaSAFE™ Fire Safety Systems

Footnotes

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Contact information

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