Ecoflex thermal twin 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 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.

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	Inner diameter Service Pipe [in]	Outer diameter Service Pipe [in]	Weight per UOM [lbs/UOM]
1" Thermal Twin with 6.9" Jacket, 600-ft. coil	5026910	42	97	64	0.862	6.9	11.3	0.862	1.125	1.54
1 1/4" Thermal Twin Jr. with 5.5" Jacket, 600-ft. coil	5025513	44	83	55	1.054	5.5	7.4	1.054	1.375	1.28
1 1/4" Thermal Twin with 6.9" Jacket, 500-ft. coil	5026913	44	99	53	1.054	6.9	9.5	1.054	1.375	1.71
1 1/2" Thermal Twin with 6.9" Jacket, 300-ft. coil	5026915	44	78	49	1.244	6.9	7.7	1.244	1.625	1.55
2" Thermal Twin with 7.9" Jacket, 300-ft. coil	5027920	44	84	53	1.629	7.9	6.5	1.629	2.125	2.68
2 1/2" Thermal Twin with 7.9" Jacket, 300-ft. coil	5027925	44	84	53	2.011	7.9	4.5	2.011	2.625	3.4

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

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

Snow and Ice Melting Systems

Permafrost Prevention Systems

Turf Conditioning Systems

Footnotes

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Contact information

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