

Ecoflex thermal twin coils

Project information

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

Technical data

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|-----------------------|--|
| 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 [inch] | Outer diameter coil [inch] | Coil width [inch] | Inner diameter pipe [inch] | Outer diameter pipe [inch] | Subcomponent Material | R value | Weight per UOM [lbs/UOM] |
|--|----------|----------------------------|----------------------------|-------------------|----------------------------|----------------------------|---|---------|--------------------------|
| 1" Thermal Twin with 6.9" Jacket, 600-ft. coil | 5026910 | 6.9 | 12 | 6.9 | 0.862 | 1.125 | Jacket: Corrugated seamless high-density polyethylene (HDPE); UV-protected | 11.3 | 1.3 |
| 1 1/4" Thermal Twin Jr. with 5.5" Jacket, 600-ft. coil | 5025513 | 5.5 | 12 | 5.5 | 1.054 | 1.375 | Jacket: Corrugated seamless high-density polyethylene (HDPE); ?UV-protected | 7.4 | 1.28 |
| 1 1/4" Thermal Twin with 6.9" Jacket, 500-ft. coil | 5026913 | 6.9 | 12 | 6.9 | 1.054 | 1.375 | Jacket: Corrugated seamless high-density polyethylene (HDPE); UV-protected | 9.5 | 1.4 |
| 1 1/2" Thermal Twin with 6.9" Jacket, 300-ft. coil | 5026915 | 6.9 | 12 | 6.9 | 1.244 | 1.625 | Jacket: Corrugated seamless high-density polyethylene (HDPE); UV-protected | 7.7 | 1.55 |
| 2" Thermal Twin with 7.9" Jacket, 300-ft. coil | 5027920 | 7.9 | 12 | 7.9 | 1.629 | 2.125 | Jacket: Corrugated seamless high-density polyethylene (HDPE); UV-protected | 6.5 | 2.68 |
| 2 1/2" Thermal Twin with 7.9" Jacket, 300-ft. coil | 5027925 | 7.9 | 12 | 7.9 | 2.011 | 2.625 | Jacket: Corrugated seamless high-density polyethylene (HDPE); UV-protected | 4.5 | 3.4 |

| 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
Snow and Ice Melting Systems
Permafrost Prevention Systems
Turf Conditioning Systems

Footnotes

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Contact information

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