

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.



| 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<br>Canada UMC NSPC IMC | ASTM F877 ASTM F1960 CSA<br>B137.5 NSF/ANSI/CAN 61 ASTM<br>F876 NSF/ANSI 14 | cNSFus-rfh cNSFus-pw U.P.Code |
| Installation                                                                                                                                                                                                                                                                                                                     |          | Related applications                  |                                                                             |                               |
| 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. |          | 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                                                                                                                                                                                                                                                                                                                        |          | Contact information                   |                                                                             |                               |
| -                                                                                                                                                                                                                                                                                                                                |          | Uponor Inc.                           |                                                                             | Uponor Ltd.                   |
|                                                                                                                                                                                                                                                                                                                                  |          | 5925 148th Street West                |                                                                             | 6510 Kennedy Road             |
|                                                                                                                                                                                                                                                                                                                                  |          | Apple Valley, MN 55124                |                                                                             | Mississauga, ON L5T 2X4       |
|                                                                                                                                                                                                                                                                                                                                  |          | T 800.321.4739                        |                                                                             | T 888.594.7726                |
|                                                                                                                                                                                                                                                                                                                                  |          | F 952.891.2008                        |                                                                             | F 800.638.9517                |