

## Bobinas de tuberías térmicas simples Ecoflex

## Project information

|                                |                 |
|--------------------------------|-----------------|
| Job name:                      | Location:       |
| Engineer:                      | Fecha de envío: |
| Contractor:                    | Presentada por: |
| 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)<br>180 °F (82 °C) at 100 psi (6.9 bar)<br>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 Engel-method 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.

| 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] |
|--|----------|----------------------------|----------------------------|-------------------|----------------------------|----------------------------|---------|----------------------------------|----------------------------------|--------------------------|
| 3/4" Thermal Single with 2.7" Jacket, 1,000-ft. coil | 50127 75 | 42.5                       | 75                         | 32                | 0.671                      | 2.7                        | 9.3     | 0.671                            | 0.875                            | 0.35                     |
| 1" Thermal Single with 2.7" Jacket, 1,000-ft. coil   | 50127 10 | 42.5                       | 75                         | 32                | 0.862                      | 2.7                        | 7.4     | 0.862                            | 1.125                            | 0.38                     |
| 1" Thermal Single with 5.5" Jacket, 600-ft. coil     | 50155 10 | 44                         | 83                         | 55                | 0.862                      | 5.5                        | 12.3    | 0.862                            | 1.125                            | 0.8                      |
| 1 1/4" Thermal Single with 5.5" Jacket, 500-ft. coil | 50155 13 | 44                         | 83                         | 46                | 1.054                      | 5.5                        | 10.7    | 1.054                            | 1.375                            | 0.8                      |
| 1 1/2" Thermal Single with 6.9" Jacket, 300-ft. coil | 50169 15 | 44                         | 78                         | 49                | 1.244                      | 6.9                        | 10.8    | 1.244                            | 1.625                            | 1.46                     |
| 2" Thermal Single with 6.9" Jacket, 300-ft. coil     | 50169 20 | 44                         | 78                         | 49                | 1.629                      | 6.9                        | 8.9     | 1.629                            | 2.125                            | 1.75                     |
| 2 1/2" Thermal Single with 6.9" Jacket, 300-ft. coil | 50169 25 | 44                         | 78                         | 49                | 2.011                      | 6.9                        | 7.2     | 2.011                            | 2.625                            | 1.97                     |
| 3" Thermal Single with 7.9" Jacket, 300-ft. coil     | 50179 30 | 44                         | 84                         | 53                | 2.398                      | 7.9                        | 7       | 2.398                            | 3.125                            | 2.8                      |
| 4" Thermal Single with 7.9" Jacket, 300-ft. coil     | 50179 40 | 46                         | 86                         | 52                | 3.169                      | 7.9                        | 4.8     | 3.169                            | 4.125                            | 3.7                      |

| Part name   | Part no. | Codes                              | Standards                              | Listings                      |
|---|----------|------------------------------------|--|-------------------------------|
| Bobinas de tuberías térmicas simples<br>Ecoflex                                 | All      | UPC IMC IPC UMC NSPC NPC of Canada | ASTM F1960 NSF/ANSI 14 NSF/ANSI/CAN 61 | cNSFus-pw U.P.Code cNSFus-rfh |
| In addition, the following parts have additional codes, standards, or listings: |          |                                    |  |                               |
| 3/4" Thermal Single with 2.7" Jacket,<br>1,000-ft. coil                         | 5012775  |                                    | CSA B137.5                             |                               |
| 1" Thermal Single with 2.7" Jacket,<br>1,000-ft. coil                           | 5012710  |                                    | ASTM F876 ASTM F877                    |                               |
| 1" Thermal Single with 5.5" Jacket,<br>600-ft. coil                             | 5015510  |                                    | ASTM F876 ASTM F877                    |                               |
| 1 1/4" Thermal Single with 5.5" Jacket,<br>500-ft. coil                         | 5015513  |                                    | ASTM F876 ASTM F877                    |                               |
| 1 1/2" Thermal Single with 6.9" Jacket,<br>300-ft. coil                         | 5016915  |                                    | ASTM F876 ASTM F877                    |                               |
| 2" Thermal Single with 6.9" Jacket,<br>300-ft. coil                             | 5016920  |                                    | ASTM F876 ASTM F877                    |                               |
| 2 1/2" Thermal Single with 6.9" Jacket,<br>300-ft. coil                         | 5016925  |                                    | CSA B137.5 ASTM F876 ASTM F877         |                               |
| 3" Thermal Single with 7.9" Jacket,<br>300-ft. coil                             | 5017930  |                                    | CSA B137.5 ASTM F876 ASTM F877         |                               |
| 4" Thermal Single with 7.9" Jacket,<br>300-ft. coil                             | 5017940  |                                    | CSA B137.5 ASTM F876 ASTM F877         |                               |

| Installation  | Related applications                 |
|---|--------------------------------------|
| 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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