

Thermal Twin Ecoflex

Renseignements sur le projet

|                             |                     |
|-----------------------------|---------------------|
| Nom du poste :              | Lieu :              |
| Ingénieur :                 | Date de soumission: |
| Entrepreneur :              | Présentée par:      |
| Représentant du fabricant : | Approuvé par :      |

Données techniques

|                       |                                     |
|-----------------------|-------------------------------------|
| 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)  |

Informations sur le produit et utilisation de l'application

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



| Nom de la pièce                                        | Numéro de pièce | 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                   |

| Nom de la pièce                                                                                                                                                                                                                                                                                                                  | Numéro de pièce | Les codes                             | Normes                                                                      | Annonces                      |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|---------------------------------------|-----------------------------------------------------------------------------|-------------------------------|
| Thermal Twin Ecoflex                                                                                                                                                                                                                                                                                                             | 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 |
| L'installation                                                                                                                                                                                                                                                                                                                   |                 | Applications connexes                 |                                                                             |                               |
| 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   |                                                                             |                               |
|                                                                                                                                                                                                                                                                                                                                  |                 | Permafrost Prevention Systems         |                                                                             |                               |
|                                                                                                                                                                                                                                                                                                                                  |                 | Turf Conditioning Systems             |                                                                             |                               |
|                                                                                                                                                                                                                                                                                                                                  |                 | AquaSAFE™ Fire Safety Systems         |                                                                             |                               |
| Notes de bas de page                                                                                                                                                                                                                                                                                                             |                 | Coordonnées de la personne-ressource  |                                                                             |                               |
| -                                                                                                                                                                                                                                                                                                                                |                 | Uponor Inc.                           |                                                                             |                               |
|                                                                                                                                                                                                                                                                                                                                  |                 | 5925 148th Street West                |                                                                             |                               |
|                                                                                                                                                                                                                                                                                                                                  |                 | Apple Valley, MN 55124                |                                                                             |                               |
|                                                                                                                                                                                                                                                                                                                                  |                 | T 800.321.4739                        |                                                                             |                               |
|                                                                                                                                                                                                                                                                                                                                  |                 | F 952.891.2008                        |                                                                             |                               |
|                                                                                                                                                                                                                                                                                                                                  |                 | Uponor Ltd.                           |                                                                             |                               |
|                                                                                                                                                                                                                                                                                                                                  |                 | 6510 Kennedy Road                     |                                                                             |                               |
|                                                                                                                                                                                                                                                                                                                                  |                 | Mississauga, ON L5T 2X4               |                                                                             |                               |
|                                                                                                                                                                                                                                                                                                                                  |                 | T 888.594.7726                        |                                                                             |                               |
|                                                                                                                                                                                                                                                                                                                                  |                 | F 800.638.9517                        |                                                                             |                               |