



PRE-INSULATED
PIPE SYSTEMS

ECOFLEX® ASTM
THERMAL SINGLE
AND TWIN

LAUNCH SHEET

Uponor Now Offers Ecoflex® Thermal Single and Twin in ASTM Sizes

Uponor Ecoflex Thermal, which offers easy installation and greater protection for hydronic radiant heating and cooling systems, is now available in 1", 1¼" and 1½" ASTM sizes. ASTM Ecoflex Thermal features Wirsbo hePEX™ plus tubing surrounded by closed-cell, PEX-foam insulation and covered by a waterproof, corrugated HDPE jacket, making it ideal for direct-burial applications. It is available in continuous lengths up to 600 feet, and uses either Uponor's durable ProPEX® fittings or the new WIPEX™ dezincification-resistant (DZR) brass compression fittings for a watertight, leak-resistant system.



Features and Benefits

- Ideal for direct burial in radiant heating and cooling applications
- Features Wirsbo hePEX plus tubing, which includes an EVOH oxygen-diffusion barrier
- Tubing encased in multilayer, closed-cell, PEX foam insulation, providing increased flexibility
- Insulation covered by a watertight, corrugated, HDPE jacket for added durability and protection from punctures and abrasions
- Long coil lengths up to 600 feet for minimized underground connections, saving time, labor and costs
- Works with Uponor's ProPEX fitting system or WIPEX DZR brass compression fittings

Codes and Standards

Manufacturing Standards:

- ASTM F876
- ASTM F877
- CSA B137.5

Product Listings:

- Hydrostatic Stress Board of PPI at: 200°F at 80 psi, 180°F at 100 psi and 73.4°F at 160 psi

Ecoflex Products and Accessories

Ecoflex Thermal Single

Thermal Single features one Wirsbo hePEX plus service pipe surrounded by PEX-foam insulation and covered by a durable HDPE jacket.

Part No.	Part Description	Weight Per Foot	Coil Dimension
5015510	1" Thermal Single with 5.5" Jacket, 600-ft. coil	0.75 lbs.	75" x 51"
5015513	1¼" Thermal Single with 5.5" Jacket, 500-ft. coil	0.85 lbs.	72" x 51"
5016915	1½" Thermal Single with 6.9" Jacket, 300-ft. coil	1.4 lbs.	84" x 48"

Ecoflex Thermal Twin

Thermal Twin features two Wirsbo hePEX plus service pipes surrounded by PEX-foam insulation and covered by a durable HDPE jacket.

Part No.	Part Description	Weight Per Foot	Coil Dimension
5026910	1" Thermal Twin with 6.9" Jacket, 600 -ft. coil	1.3 lbs.	96" x 48"
5026913	1¼" Thermal Twin with 6.9" Jacket, 500-ft. coil	1.4 lbs.	96" x 48"
5026915	1½" Thermal Twin with 6.9" Jacket, 300-ft. coil	1.55 lbs.	84" x 48"

WIPEX Fittings

WIPEX DZR brass compression fittings transition PEX service pipe to a male NPT thread.

Part No.	Part Description	Compatible With	Weight (Lbs./Ea.)
5550010	WIPEX Fitting 1" PEX x 1" NPT	5015510/5026910	0.6
5550013	WIPEX Fitting 1¼" PEX x 1¼" NPT	5015513/5026913	0.9
5550015	WIPEX Fitting 1½" PEX x 1½" NPT	5016915/5026915	1.1

Ecoflex EPDM Rubber End Caps

Ecoflex EPDM Rubber End Caps seal the exposed insulation between the jacket and service pipe after the pipe is cut to make a connection. Ecoflex Thermal Single uses single end caps; Ecoflex Thermal Twin uses twin end caps. Each end cap includes a stainless-steel clamp and an EPDM rubber o-ring.

Note: Uponor requires end caps at all ends of the piping system to ensure insulation integrity.

Part No.	Part Description	Compatible With	Weight (Lbs./Ea.)
5855513	Single End Cap for 1" and 1¼" PEX, 5.5" Jacket	5015510/5015513	1
5856930	Single End Cap for 1½, 2 and 2½" PEX, 3" HDPE Pipe, 6.9" Jacket	5016915	1.6
5956915	Twin End Cap for 1", 1¼", 1½" PEX, 6.9" Jacket	5026910/5026913/ 5026915	1.5

For more information, visit our websites listed below.

Uponor, Inc.
5925 148th Street West
Apple Valley, MN 55124 USA
Tel: (800) 321-4739
Fax: (952) 891-2008
Web: www.uponor-usa.com

Uponor Ltd.
2000 Argentia Rd., Plaza 1, Ste. 200
Mississauga, ON L5N 1W1 CANADA
Tel: (888) 994-7726
Fax: (800) 638-9517
Web: www.uponor.ca

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