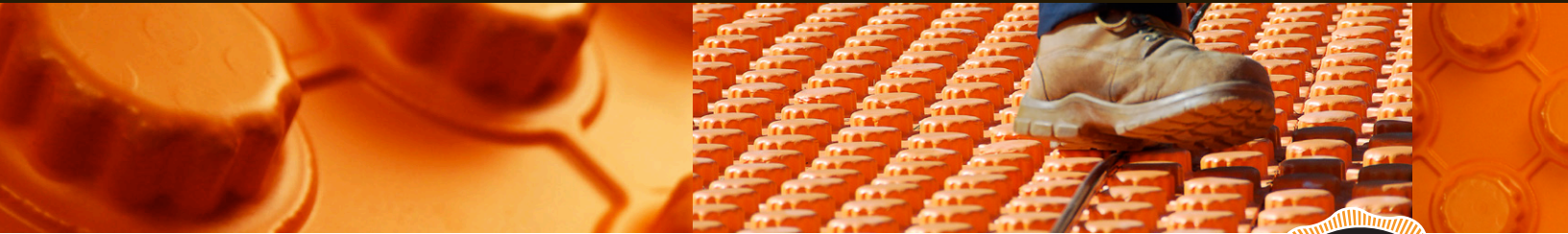






**FAST. EASY.  
SAVES LABOR.  
JUST WALK IT IN.**



Creatherm is committed to providing the best products in the industry to improve heating efficiency, reduce energy costs and provide healthier, more comfortable living spaces. From our radiant heat floor panels to insulating wall panels, we offer a full range of products that can help you reduce your carbon footprint by making energy decisions that are good for the environment and your bottom line.



	<b>T 45</b>	<b>S 45</b>	<b>U 45</b>	<b>S 20</b>
<b>TEST DATA</b>				
<b>Thermal Resistance R-Value</b> <i>C-177 or C-518</i>	5 F • ft <sup>2</sup> • h/Btu	10 F • ft <sup>2</sup> • h/Btu	11 F • ft <sup>2</sup> • h/Btu	6 F • ft <sup>2</sup> • h/Btu
<b>Density</b> <i>ASTM C-303</i>	2.0 lb/ft <sup>3</sup>	2.0 lb/ft <sup>3</sup>	2.0 lb/ft <sup>3</sup>	1.5 lb/ft <sup>3</sup>
<b>Compressive Resistance at 10% Deformation</b> <i>ASTM D-1621</i>	56.8 PSI	36.3 PSI	44.7 PSI	20 PSI
<b>Water Vapor Permeability</b> <i>ASTM E-96</i>	0.67 Perm-Inches, Max.	0.36 Perm-Inches, Max.	0.58 Perm-Inches, Max.	2 Perm-Inches, Max.
<b>Water Absorption</b> <i>ASTM C-272</i>	4% by Volume Max.	4% by Volume Max.	4% by Volume Max.	4% by Volume Max.
<b>Dimensional Stability</b> <i>ASTM D-2126</i>	2% Max.	2% Max.	2% Max.	No Growth
<b>Mold Resistance</b> <i>ASTM C-1338</i>	No Growth	No Growth	No Growth	No Growth
<b>PRODUCTION</b>				
<b>Overall Board Size</b>	25" x 49"	25" x 49"	25" x 49"	25.25" x 49.25"
<b>Usable Size</b>	24" x 48"	24" x 48"	24" x 48"	24" x 48"
<b>Recommended PEX</b>	1/2", 5/8", 3/4"	1/2", 5/8", 3/4"	1/2", 5/8", 3/4"	1/2", 5/8"
<b>Overall Thickness Including Pipe Grid</b>	1.8"	2.8"	3.3"	2"
<b>Nominal (EPS) Thickness of Insulation</b>	1"	2"	2.5"	1.2"
<b>Screed Volume in Tube Grid</b>	875	875	875	875
<b>Cover Stock</b>	Polystyrene	Polystyrene	Polystyrene	
<b>SHIPPING</b>				
<b>Parts Per Bundle</b>	18	10	8	12
<b>Sq. Ft. Per Bundle</b>	144	80	64	96
<b>Parts Per Truckload</b>	3,456	1,920	1,536	2,304
<b>Note:</b> Thermal resistance — R means the resistance to heat flow. The higher the R value, the greater the insulating power.	<b>Offering our THIN "R" value</b> Panel thickness 1.8"	<b>Offering our STANDARD "R" value</b> Panel thickness 2.8"	<b>Offering our ULTIMATE "R" value</b> Panel thickness 3.3"	<b>Offering our CONTRACTOR "R" value</b> Panel thickness 2"
				

# TUBING ACCESSORIES

## Large Diameter Tube Holder Pins

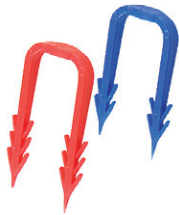
**New Product** - Designed to be manually inserted into Creatherm “knobs” to hold down large diameter tube (typical ¾") in tough spots where additional support may be needed. Works on all sizes of tube and all models (thicknesses) of Creatherm.



	ITEM #	QUANTITY/BAG
TUBE HOLDER PIN - ALL TUBE SIZES FOR QT-100, QT-200 & QT-300	800-349	100

## Heavy Duty Tube Holder Pins

**Sturdy, high grip pins** manually inserted to hold down up to 5/8" tubing in rigid foam board installations. May also be used with Tube Track, Tube Track Duo and Mounting Rail (see below).



	ITEM #	QUANTITY/BAG
TUBE HOLDER PIN (1½" LONG) - FOR PANELS 1" OR THICKER	800-345	100
TUBE HOLDER PIN (2" LONG) - FOR PANELS 1½" OR THICKER	800-348	100

## Tube Bend Support 90°

**New Product** - Holds tube in a tight radius 90° bend without a fitting elbow and without fear of “kinking.” Slide support easily around ½" tube while straight, then make bend by clicking tabs together.



	ITEM #	QUANTITY
TUBE BEND SUPPORT 90° - FOR ½" TUBING	800-503	1

## Tube Bend Support 90°

Used to hold flexible tubing in a 90° bend without a fitting elbow and creates a neat, professional appearance.

*Ideal for transitioning tubing to and from wall-mounted manifolds. Protects tubing at this vulnerable location.*



	ITEM #	QUANTITY
TUBE BEND SUPPORT 90° FITS UP TO ½" TUBING	800-305	1
TUBE BEND SUPPORT 90° FITS UP TO ¾" TUBING	800-304	1

## Tube Protection Sleeve

Used to protect tubing in a concrete slab at expansion joints. Pre-slit 12" lengths allow for rapid installation after tubing has been installed and before concrete pour.

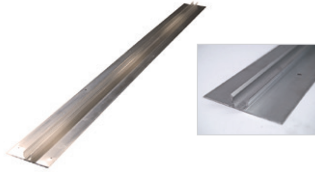


	ITEM #	QUANTITY
TUBE PROTECTION SLEEVE 12" – FITS UP TO 1/2" TUBING	800-313	1
TUBE PROTECTION SLEEVE 12" – FITS UP TO 3/4" TUBING	800-314	1

## Extruded Aluminum Heat Transfer Plates

For use in radiant floor heating via joist space applications (under sub-floor) with 3/8" or 1/2" PEX tubing. Plates are 3 1/2" x 4' long and pre-drilled for wood screws to attach underneath sub-floor. PEX tubing is held securely in tube channel on under side of plate.

Maximize floor output and simplify normally labor-intensive joist space installations (3 1/2" x 4' long).



	ITEM #	QUANTITY	CASE
HEAT TRANSFER PLATE – 3/8" PEX TUBING	800-362	1	20
HEAT TRANSFER PLATE – 1/2" PEX TUBING	800-364	1	20

## Tube Track & Tube Track Duo

Used to hold tubing to rigid foam, wood or concrete. Mounting holes are provided for appropriate fasteners. Clips at end of each piece allow 3 1/4' (39") sections to snap together. Use tube holding pins (top) in rigid foam board installations.



	ITEM #	QUANTITY
TUBE TRACK – 39" LENGTH Holding tabs for 3/8" or 1/2" tubing are spaced every 2"	800-323	1
TUBE TRACK DUO – 39" LENGTH Holding tabs for 3/8" or 1/2" and for 5/8" or 3/4" tubing alternate every 4"	800-324	1

## Tube Mounting Rail

Used to hold tubing to rigid foam, wood or concrete. Mounting holes are provided for appropriate fasteners. 6 1/2' (78") rails have prescored "break" lines should shorter lengths be needed.

Holding slots are spaced every 2".  
Note: Use tube holding pins (top) in rigid foam board installations.



	ITEM #	QUANTITY
1/2" TUBE MOUNTING RAIL – 78" LENGTH	800-333	1
3/4" TUBE MOUNTING RAIL – 78" LENGTH	800-334	1

## Tube Cutters

New Product – High quality plastic tube cutters for PEX, CPVC and PVC tubing. Includes 1 replacement blade.



	ITEM #	QUANTITY
TUBE CUTTER – PEX TUBING UP TO 2"	800-250	1
REPLACEMENT BLADE FOR TUBE CUTTER	800-252	1
TUBE CUTTER (RATCHETING) – CPVC & PVC TUBING UP TO 1 1/2"	800-251	1
REPLACEMENT BLADE FOR TUBE CUTTER RATCHETING	800-253	1

# LEGENDFLEX HEATING TUBE

## Highly flexible PEX heating tube with oxygen barrier

Manufactured from a proprietary polymer formulation which dramatically increases flexibility and maintains high strength.

Available in 3/8", 1/2", 5/8", 3/4" and 1" tube sizes. LegendFlex™ delivers greater performance and flexibility than standard PEX. We are so confident in its performance we back it with a 30 year warranty.

LegendFlex is extremely flexible and very difficult to kink. In the unlikely event one should occur, simply repair it with a heat gun. No need to cut and use a coupling or replace the tubing.

LegendFlex tubing is also compatible with cold expansion type fitting systems (compliant with standards ASTM F2080 & ASTM F1960). Its strength, durability and thermal memory enables proper seal with crimp or expansion style connections.

### Residential, commercial and industrial applications include:

- Radiant Heating and Cooling
- GeoThermal
- Snow and Ice Melt
- Turf Conditioning

PROPERTY	VALUE
Density	58.6 lb/ft <sup>3</sup>
Thermal conductivity	0.22 Btu ft/h ft <sup>2</sup> °F
Coefficient of linear expansion	1.2 in. per 100 ft. per 10 °F
Modulus of elasticity	78,300 PSI
Oxygen permeation	< 0.1 grams/m <sup>3</sup> /day
Bend radius	< 5x tubing outside diameter

*Meets the requirements of ASTM F876 and F877*



*The externally-extruded EVOH oxygen barrier reduces oxygen molecule permeation into the water. Compliant with standard DIN4726 (<0.1 grams/m<sup>3</sup>/day).*

Highly flexible PEX with oxygen barrier provides excellent flexibility and thermal memory for easy installation.  
Order Creatherm Products: 888.925.5484



SIZE	DESCRIPTION	WEIGHT (lbs)	CAPACITY (size - gal/ft)	ITEM NUMBER
3/8"	Pex tubing with oxygen barrier - 500 feet	20	3/8" - 0.0051	850-125
	Pex tubing with oxygen barrier - 1000 feet	40		850-129
1/2"	Pex tubing with oxygen barrier - 300 feet	15	1/2" - 0.0096	850-133
	Pex tubing with oxygen barrier - 500 feet	25		850-135
	Pex tubing with oxygen barrier - 1000 feet	50		850-139
5/8"	Pex tubing with oxygen barrier - 400 feet	28	5/8" - 0.0138	850-144
	Pex tubing with oxygen barrier - 1000 feet	70		850-149
3/4"	Pex tubing with oxygen barrier - 100 feet	10	3/4" - 0.0189	850-151
	Pex tubing with oxygen barrier - 500 feet	50		850-155
	Pex tubing with oxygen barrier - 1000 feet	100		850-159
1"	Pex tubing with oxygen barrier - 100 feet	16	1" - 0.0312	850-161
	Pex tubing with oxygen barrier - 500 feet	80		850-165

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