

Submittal Data Sheet



Part #	Description
See below	AluLaser Plus

Project Information

Job Name:

Location:

Date Submitted:

Engineer:

Submitted by:

Contractor:

Approved by:

Manufacturer's Representative:

Application

Hydronic radiant heating and snow melting systems utilizing water or a water/glycol mix as the heat transfer media.

Supply and return piping for baseboard heating systems with a maximum operating temperature of 200°F.

Product Information

Roth AluLaser Plus is a five layer PERT-AL-PERT oxygen barrier tubing.

The five-layer pipe consists of a layer of ultrasonically welded aluminum, a natural oxygen barrier, encapsulated between two layers of DOWLEX™ 2344 Polyethylene Copolymer Resin (PE-RT - Polyethylene of raised temperature) and two layers of adhesive.

Technical Information

Manufactured and tested according to the following standards:

ASTM F1282 - Standard Specification for Polyethylene/Aluminum/Polyethylene (PE-AL-PE) Composite Pressure Pipe of Raised Temperature

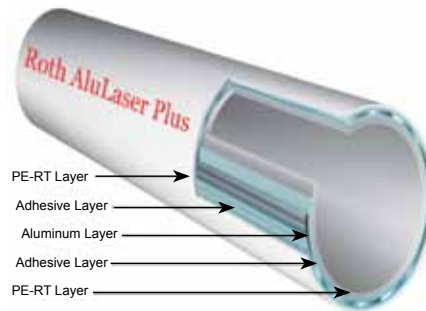
NSF/ANSI Standard 14 - Plastic Piping System Components and Related Materials - Certified for radiant floor applications (NSF-rfh)

PPI TR-3 - Standard Grade Hydrostatic Ratings:

180°F @ 100psig; 73°F @ 200psig

82°C @ 6.89 bar; 23°C @ 13.79 bar

Thermal Conductivity - 0.26 Btu/h/ft/°F
 Linear Expansion Rate - 0.17"/10°F/100ft
 - 4.3mm/5.56°C/30.48m



Part Numbers

X	Part #	Description	I.D. (O.D.)	Fluid Content per 100' (gal.)	Weight per coil
	2347130200	3/8" Coil x 200'	.35 (.47)	0.50	9 lbs
	2347130600	3/8" Coil x 600'	.35 (.47)	0.50	25 lbs
	2347150300	1/2" Coil x 300'	.48 (.63)	0.90	19 lbs
	2347151000	1/2" Coil x 1000'	.48 (.63)	0.90	70 lbs
	2347190300	5/8" Coil x 300'	.62 (.79)	1.50	31 lbs
	2347191000	5/8" Coil x 1000'	.62 (.79)	1.50	100 lbs
	2347220300	3/4" Coil x 300'	.79 (.99)	2.50	45 lbs
	2347221000	3/4" Coil x 1000'	.79 (.99)	2.50	77 lbs
	2347280100	1" Coil x 100'	1.02 (1.27)	4.30	25 lbs
	2347280020	1" x 20' (7 Sticks)	1.02 (1.27)	4.30	35 lbs

Approved Fitting Systems:

AluLaser Plus pipes are joined using press fittings or manifold compression fittings tested and certified for radiant floor applications. (NSF-rfh)

Effective Date: November 2011

Contact Information

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