

Nesting (Layering) Chart for AEROFLEX® EPDM Pipe Insulation

Iron Pipe Size	Iron Pipe OD (in)	Layer	Insulation Thickness (in) * Does not pass ASTM E84 25/50						
			1"	1-1/2"	2"	* 2-1/2"	* 3"	* 3-1/2"	* 4"
1/2"	0.875	Inner	7/8 x 1/2	7/8 x 1/2	7/8 x 1	7/8 x 1	7/8 x 1-1/2	7/8 x 1-1/2	7/8 x 2
		Outer	1-7/8 x 1/2	1-7/8 x 1	2-7/8 x 1	2-7/8 x 1-1/2	4-1/8 x 1-1/2	4-1/8 x 2	4-1/8 x 2
3/4"	1.050	Inner	1-1/8 x 1/2	1-1/8 x 1/2	1-1/8 x 1	1-1/8 x 1	1-1/8 x 1-1/2	1-1/8 x 1-1/2	1-1/8 x 2
		Outer	2-1/8 x 1/2	2-1/8 x 1	3-1/8 x 1	3-1/8 x 1-1/2	4-1/8 x 1-1/2	4-1/8 x 2	4-1/8 x 2
1"	1.375	Inner	1-3/8 x 1/2	1-3/8 x 1/2	1-3/8 x 1	1-3/8 x 1	1-3/8 x 1-1/2	1-3/8 x 1-1/2	1-3/8 x 2
		Outer	2-3/8 x 1/2	2-3/8 x 1	3-1/2 x 1	3-1/2 x 1-1/2	4-1/2 x 1-1/2	4-1/2 x 2	5-1/2 x 2
1-1/4"	1.625	Inner	1-5/8 x 1/2	1-5/8 x 1/2	1-5/8 x 1	1-5/8 x 1	1-5/8 x 1-1/2	1-5/8 x 1-1/2	1-5/8 x 2
		Outer	2-5/8 x 1/2	2-5/8 x 1	3-5/8 x 1	3-5/8 x 1-1/2	4-1/2 x 1-1/2	4-1/2 x 2	5-1/2 x 2
1-1/2"	1.900	Inner	1-7/8 x 1/2	1-7/8 x 1/2	1-7/8 x 1	1-7/8 x 1	1-7/8 x 1-1/2	1-7/8 x 1-1/2	1-7/8 x 2
		Outer	2-7/8 x 1/2	2-7/8 x 1	4-1/8 x 1	4-1/8 x 1-1/2	5-1/2 x 1-1/2	5-1/2 x 2	6-1/8 x 2
2"	2.375	Inner	2-3/8 x 1/2	2-3/8 x 1/2	2-3/8 x 1	2-3/8 x 1	2-3/8 x 1-1/2	2-3/8 x 1-1/2	2-3/8 x 2
		Outer	3-1/2 x 1/2	3-1/2 x 1	4-1/2 x 1	4-1/2 x 1-1/2	5-1/2 x 1-1/2	5-1/2 x 2	6-5/8 x 2
2-1/2"	2.875	Inner	2-7/8 x 1/2	2-7/8 x 1/2	2-7/8 x 1	2-7/8 x 1	2-7/8 x 1-1/2	2-7/8 x 1-1/2	2-7/8 x 2
		Outer	4-1/8 x 1/2	4-1/8 x 1	5-1/8 x 1	5-1/8 x 1-1/2	6-1/8 x 1-1/2	6-1/8 x 2	SHEET
3"	3.500	Inner	3-1/2 x 1/2	3-1/2 x 1/2	3-1/2 x 1	3-1/2 x 1	3-1/2 x 1-1/2	3-1/2 x 1-1/2	3-1/2 x 2
		Outer	4-1/2 x 1/2	4-1/2 x 1	5-1/2 x 1	5-1/2 x 1-1/2	6-5/8 x 1-1/2	6-5/8 x 2	SHEET
3-1/2"	4.000	Inner	4-1/8 x 1/2	4-1/8 x 1/2	4-1/8 x 1	4-1/8 x 1	4-1/8 x 1	4-1/8 x 2	4-1/8 x 2
		Outer	5-1/8 x 1/2	5-1/8 x 1	6-1/8 x 1	6-1/8 x 1-1/2	6-1/8 x 2	SHEET	SHEET
4"	4.500	Inner	4-1/2 x 1/2	4-1/2 x 1/2	4-1/2 x 1	4-1/2 x 1	4-1/2 x 2	4-1/2 x 2	4-1/2 x 2
		Outer	5-1/2 x 1/2	5-1/2 x 1	6-5/8 x 1	6-5/8 x 1-1/2	8-5/8 x 1	SHEET	8-5/8 x 2
4-1/2"	5.000	Inner	5-1/8 x 1/2	5-1/8 x 1/2	5-1/8 x 1	5-1/8 x 1-1/2	5-1/8 x 2	5-1/8 x 2	5-1/8 x 2
		Outer	6-1/8 x 1/2	6-1/8 x 1	SHEET	SHEET	SHEET	SHEET	SHEET
5"	5.563	Inner	5-1/2 x 1/2	5-1/2 x 1/2	5-1/2 x 1	5-1/2 x 1-1/2	5-1/2 x 1-1/2	5-1/2 x 1-1/2	5-1/2 x 2
		Outer	6-5/8 x 1/2	6-5/8 x 1	SHEET	8-5/8 x 1	8-5/8 x 1-1/2	8-5/8 x 2	SHEET
6"	6.625	Inner	6-5/8 x 1/2	6-5/8 x 1/2	6-5/8 x 1	6-5/8 x 1	6-5/8 x 1	6-5/8 x 2	6-5/8 x 2
		Outer	SHEET	SHEET	8-5/8 x 1	8-5/8 x 1-1/2	8-5/8 x 2	10-3/4 x 1-1/2	10-3/4 x 2
7"	7.625	Inner	SHEET	SHEET	SHEET	SHEET	SHEET	SHEET	SHEET
		Outer	SHEET	SHEET	SHEET	SHEET	SHEET	SHEET	SHEET
8"	8.625	Inner	8-5/8 x 1/2	8-5/8 x 1/2	8-5/8 x 1	8-5/8 x 1	8-5/8 x 1	8-5/8 x 2	8-5/8 x 2
		Outer	SHEET	SHEET	10-3/4 x 1	10-3/4 x 1-1/2	10-3/4 x 2	12-3/4 x 1-1/2	12-3/4 x 2
9"	9.625	Inner	SHEET	SHEET	SHEET	SHEET	SHEET	SHEET	SHEET
		Outer	SHEET	SHEET	SHEET	SHEET	SHEET	SHEET	SHEET
10"	10.750	Inner	10-3/4 x 1/2	10-3/4 x 1/2	10-3/4 x 1	10-3/4 x 1	10-3/4 x 1-1/2	10-3/4 x 1-1/2	10-3/4 x 2
		Outer	SHEET	SHEET	12-3/4 x 1	12-3/4 x 1-1/2	14 x 1-1/2	14 x 2	SHEET
11"	11.750	Inner	SHEET	SHEET	SHEET	SHEET	SHEET	SHEET	SHEET
		Outer	SHEET	SHEET	SHEET	SHEET	SHEET	SHEET	SHEET
12"	12.750	Inner	SHEET	SHEET	12-3/4 x 1	12-3/4 x 1-1/2	12-3/4 x 1-1/2	12-3/4 x 1-1/2	12-3/4 x 2
		Outer	SHEET	SHEET	SHEET	16 x 1	16 x 1-1/2	16 x 2	SHEET
14"	14.000	Inner	SHEET	SHEET	14 x 1	14 x 1	14 x 1	14 x 2	14 x 2
		Outer	SHEET	SHEET	16 x 1	16 x 1-1/2	16 x 2	SHEET	SHEET
15"	15.000	Inner	SHEET	SHEET	SHEET	SHEET	SHEET	SHEET	SHEET
		Outer	SHEET	SHEET	SHEET	SHEET	SHEET	SHEET	SHEET
16"	16.000	Inner	SHEET	SHEET	16 x 1	16 x 1-1/2	16 x 2	16 x 2	16 x 2
		Outer	SHEET	SHEET	SHEET	SHEET	SHEET	SHEET	SHEET

Notes:

- Combinations listed are for iron pipe only.
- Depending on product availability, other size combinations may be possible.
- Aeroflex standard unslit tubes are available up to 6" IPS; Aeroflex Self-Seal tubes are available up to 16" IPS.
- Aeroflex actual tube ID's are listed.
- Sizes are calculated using closest ID for snug fit to first layer. Depending on actual tolerance of ID and wall thickness, outer layers may fit slightly tight or loose. If 2nd layer fits too tight, use Aeroflex Sheet or Roll.
- Do not stretch 2nd layer. If acceptable, a tube can be installed loose over the first layer by following the Aeroflex Installation Guide. Still air sealed between layers provides excellent thermal conductivity.
- Iron pipe sizes over 16" IPS must be insulated with Aeroflex Sheet or Roll.

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