

## INDUSTRIAL PIPE INSULATION

### RECOMMENDED DOUBLE-LAYER PIPE COMBINATIONS

NOM. PIPE SIZE (IN.)	INNER LAYER OUTER LAYER	WALL THICKNESS (INCHES)							
		2½"	3"	3½"	4"	4½"	5"	5½"	6"
½	INNER OUTER	½ x 1 2½ x 1½	½ x 2 4½ x 1	½ x 2 4½ x 1½	½ x 2 4½ x 2	- -	- -	- -	- -
¾	INNER OUTER	¾ x 1 2½ x 1½	¾ x 1½ 3½ x 1½	¾ x 1½ 3½ x 2	¾ x 2 4½ x 2	- -	- -	- -	- -
1	INNER OUTER	1 x 1 3 x 1½	1 x 1½ 4 x 1½	1 x 1½ 4 x 2	1 x 2 5 x 2	1 x 2½ 6 x 2	1 x 2½ 6 x 2½	- -	- -
1¼	INNER OUTER	1¼ x 1 3 x 1½	1¼ x 1½ 4½ x 1½	1¼ x 1½ 4½ x 2	1¼ x 2 5 x 2	1¼ x 2½ 6 x 2	1¼ x 2½ 6 x 2½	- -	- -
1½	INNER OUTER	1½ x 1½ 4½ x 1	1½ x 1½ 4½ x 1½	1½ x 1½ 4½ x 2	1½ x 2 6 x 2	1½ x 2 6 x 2½	1½ x 2 6 x 3	- -	- -
2	INNER OUTER	2 x 1 4 x 1½	2 x 1½ 5 x 1½	2 x 1½ 5 x 2	2 x 2 6 x 2	2 x 2½ 7 x 2	2 x 2½ 7 x 2½	- -	- -
2½	INNER OUTER	2½ x 1 4½ x 1½	2½ x 1½ 6 x 1½	2½ x 1½ 6 x 2	2½ x 2 7 x 2	2½ x 2½ 8 x 2	2½ x 2½ 8 x 2½	- -	- -
3	INNER OUTER	3 x 1 5 x 1½	3 x 1½ 6 x 1½	3 x 1½ 6 x 2	3 x 2 7 x 2	3 x 2½ 8 x 2	3 x 2½ 8 x 2½	3 x 3 9 x 2½	3 x 3 9 x 3
3½	INNER OUTER	3½ x 1 6 x 1½	3½ x 1½ 7 x 1½	3½ x 1½ 7 x 2	3½ x 2 8 x 2	3½ x 2½ 9 x 2	3½ x 2½ 9 x 2½	3½ x 3 10 x 2½	3½ x 3 10 x 3
4	INNER OUTER	4 x 1 6 x 1½	4 x 1½ 7 x 1½	4 x 2 8 x 1½	4 x 2 8 x 2	4 x 2½ 9 x 2	4 x 2½ 9 x 2½	4 x 3 10 x 2½	4 x 3 10 x 3
4½	INNER OUTER	4½ x 1 7 x 1½	4½ x 1½ 8 x 1½	4½ x 1½ 8 x 2	4½ x 2 9 x 2	4½ x 2½ 10 x 2	4½ x 2½ 10 x 2½	4½ x 3 11 x 2½	4½ x 3 11 x 3
5	INNER OUTER	5 x 1 7 x 1½	5 x 1½ 8 x 1½	5 x 1½ 8 x 2	5 x 2 9 x 2	5 x 2½ 10 x 2	5 x 2½ 10 x 2½	5 x 3 11 x 2½	5 x 3 11 x 3
6	INNER OUTER	- -	6 x 1½ 9 x 1½	6 x 2 10 x 1½	6 x 2 10 x 2	6 x 2½ 11 x 2	6 x 2½ 11 x 2½	6 x 3 12 x 2½	6 x 3 12 x 3
8	INNER OUTER	- -	8 x 1½ 11 x 1½	8 x 1½ 11 x 2	8 x 2 12 x 2	8 x 2½ 14 x 2	8 x 2½ 14 x 2½	8 x 3 15 x 2½	8 x 3 15 x 3
10	INNER OUTER	- -	10 x 1½ 14 x 1½	10 x 1½ 14 x 2	10 x 2 15 x 2	10 x 2½ 16 x 2	10 x 2½ 16 x 2½	10 x 3 17 x 2½	10 x 3 17 x 3
12	INNER OUTER	- -	12 x 1½ 16 x 1½	12 x 1½ 16 x 2	12 x 2 17 x 2	12 x 2½ 18 x 2	12 x 3 19 x 2	12 x 3 19 x 2½	12 x 3 19 x 3
14	INNER OUTER	- -	14 x 1½ 17 x 1½	14 x 2 18 x 1½	14 x 2 18 x 2	14 x 2½ 19 x 2	14 x 3 20 x 2	14 x 3 20 x 2½	14 x 3 20 x 3
16	INNER OUTER	- -	16 x 1½ 19 x 1½	16 x 2 20 x 1½	16 x 2 20 x 2	16 x 3 22 x 1½	16 x 3 22 x 2	16 x 3 22 x 2½	16 x 3 22 x 3
18	INNER OUTER	- -	18 x 1½ 21 x 1½	18 x 2 22 x 1½	18 x 2 22 x 2	18 x 3 24 x 1½	18 x 3 24 x 2	18 x 3 24 x 2½	18 x 3 24 x 3
20	INNER OUTER	- -	20 x 1½ 23 x 1½	20 x 2 24 x 1½	20 x 2 24 x 2	20 x 2 24 x 2½	20 x 3 26 x 2	20 x 3 26 x 2½	20 x 3 26 x 3
22	INNER OUTER	- -	- -	22 x 2 26 x 1½	22 x 2 26 x 2	22 x 2 26 x 2½	22 x 3 28 x 2	22 x 3 28 x 2½	22 x 3 28 x 3
24	INNER OUTER	- -	- -	- -	24 x 2 28 x 2	24 x 2 28 x 2½	24 x 3 30 x 2	24 x 3 30 x 2½	24 x 3 30 x 3
26	INNER OUTER	- -	- -	- -	26 x 2 30 x 2	26 x 2 30 x 2½	26 x 3 32 x 2	26 x 3 32 x 2½	26 x 3 32 x 3
28	INNER OUTER	- -	- -	- -	28 x 2 32 x 2	28 x 2 32 x 2½	28 x 3 34 x 2	28 x 3 34 x 2½	28 x 3 34 x 3
30	INNER OUTER	- -	- -	- -	30 x 2 34 x 2	30 x 2 34 x 2½	30 x 3 36 x 2	30 x 3 36 x 2½	30 x 3 36 x 3
32	INNER OUTER	- -	- -	- -	32 x 2 36 x 2	32 x 2 36 x 2½	32 x 3 38 x 2	32 x 3 38 x 2½	32 x 3 38 x 3
34	INNER OUTER	- -	- -	- -	34 x 2 38 x 2	34 x 2 38 x 2½	34 x 3 40 x 2	34 x 3 40 x 2½	34 x 3 40 x 3
36	INNER OUTER	- -	- -	- -	36 x 2 40 x 2	36 x 2 40 x 2½	36 x 3 42 x 2	36 x 3 42 x 2½	36 x 3 42 x 3
38	INNER OUTER	- -	- -	- -	38 x 2 42 x 2	38 x 2½ 43 x 2	38 x 2½ 43 x 2½	38 x 3 44 x 2½	38 x 3 44 x 3

**INDUSTRIAL PIPE INSULATION****RECOMMENDED DOUBLE-LAYER PIPE COMBINATIONS**

Industrial Insulation Group, LLC manufactures MinWool-1200® mineral fiber pipe, block and a variety of other insulations; Thermo-12® Gold Calcium Silicate pipe and block insulation; Microporous Blanket insulation; Super Firetemp® fireproofing board; SprouleWR-1200® Perlite pipe and block insulation; high-temperature adhesives, and insulating finishing cement. The physical and chemical properties presented herein represent typical, average values obtained in accordance with accepted test methods and are subject to normal manufacturing variations. They are supplied as a technical service and are subject to change without notice. Numerical flame spread and smoke developed ratings are not intended to reflect hazards presented by these or any other materials under actual fire conditions. Check with the Customer Service Office to assure current information. All Industrial Insulation Group products are sold subject to the Johns Manville Limited Warranty and Limitation of Remedy. For a copy of the Johns Manville Limited Warranty and Limitation of Remedy, email [info.industrial@jm.com](mailto:info.industrial@jm.com).

**CUSTOMER SERVICE  
TECHNICAL & GENERAL INFORMATION**  
(800) 866-3234

 **Johns Manville**  
Industrial Insulation Group  
2100 LINE STREET • BRUNSWICK, GA 31520