

MINIUM FROTH & INSULATION CO.

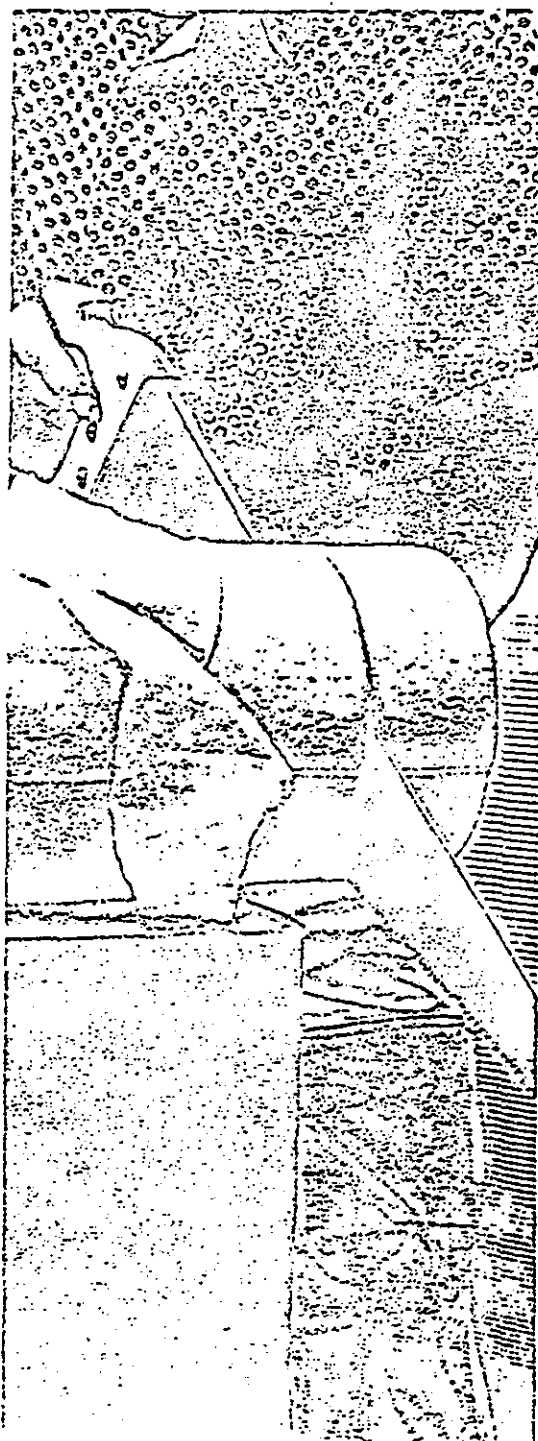
THE NEW INDUSTRIAL INSULATION FOR ELEVATED TEMPERATURES
DESIGNED FOR GREATER EFFICIENCY AND EASIER APPLICATION



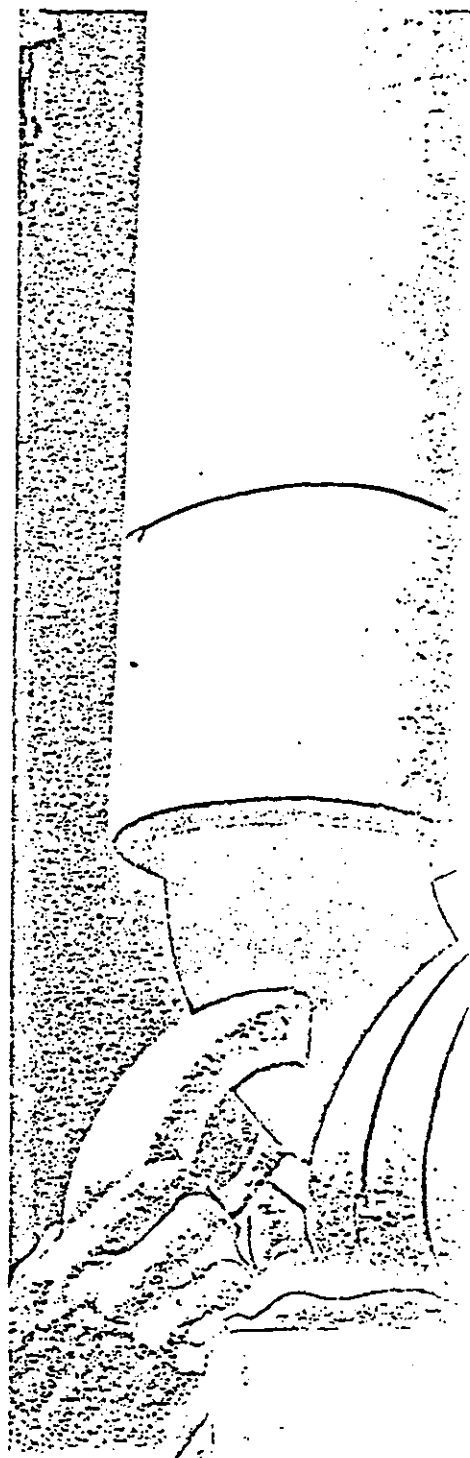
HANDLES...



SAWS...



WORKS MORE EASILY

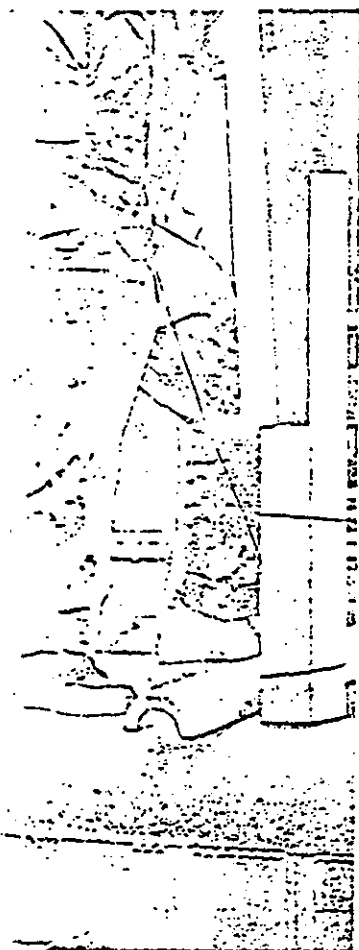


NEW CALSILITE SAW, HANDLE, MITRE, CARTRIDGE
REPRESENTS A MAJOR ADVANCE IN THE SOLUTION
OF INDUSTRIAL INSULATION PROBLEMS

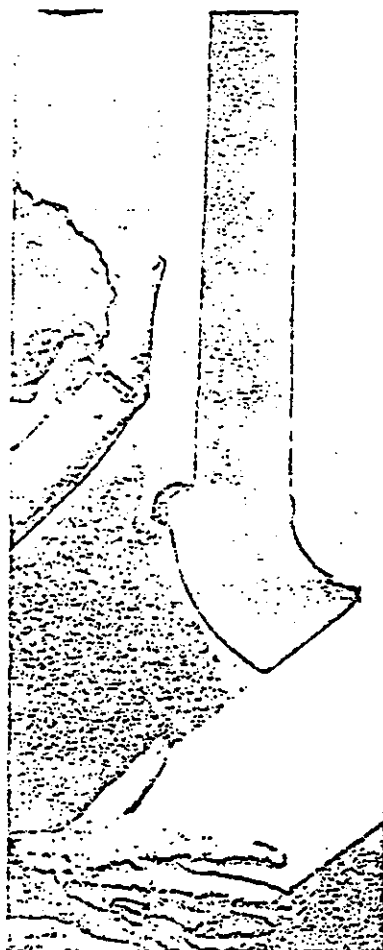
FACT: NEW CALSILITE SAWS, HANDLES, MITRES, WORKS MORE EASILY

REASON: IT IS TOUGHER, STRONGER, SMOOTHER, MORE UNIFORM

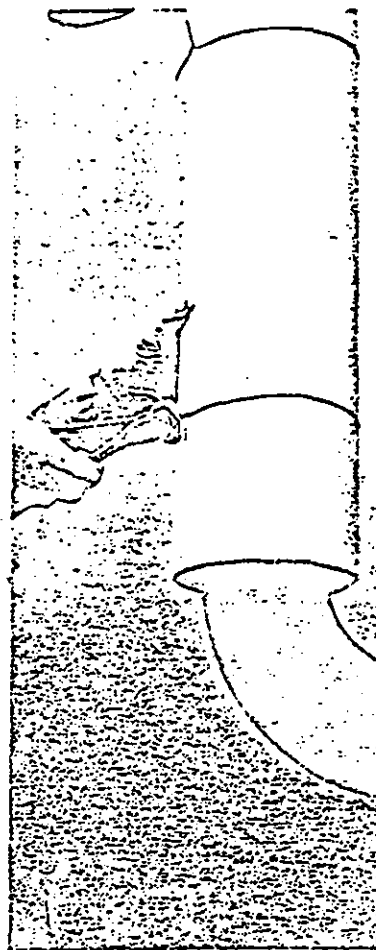
RESULT: FASTER, NEATER INSTALLATION, DOLLARS SAVED



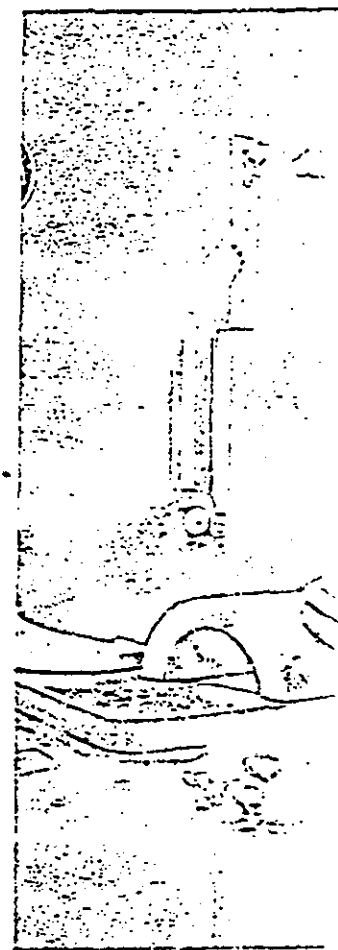
TAKES PUNISHMENT



HANDLES EASILY



APPLIES QUICKLY



SAWS CLEANLY

cuts easily and mitres cleanly without special equipment . . . applies quickly to cut costs even on involved installations.

Calsilite is not soluble in water and is not affected by most normal acids and alkalis. It retains its shape even when completely saturated and returns to normal thermal efficiency when dry. Calsilite has an extremely low thermal conductivity, is chemically stable, will not rot, and will not support combustion.

Lightweight and strong, Calsilite handles easily and takes unusual punishment without serious damage. It finishes smoothly providing a clean, neat appearance. The new sectional design cuts job time and saves money by doing away with piece-by-piece installation. Its fine texture makes it easy to cut and fabricate without crumbling or breaking . . . reducing wasted time and materials. Compatible Ruberoid cements seal joints and fittings neatly.

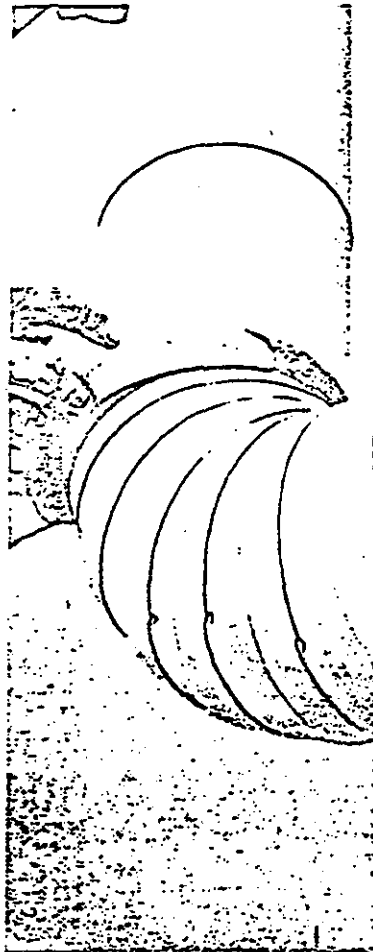
damage allows i . . . e on high moisture or high humidity installations, inside or out, below or above ground. Application in areas of high inflammability are safe because of the fireproof qualities of Calsilite.

AVAILABLE FORMS AND SIZES: Calsilite is available to fit all standard pipe and tubing. Half sectional Calsilite is available for pipe up to 24" IPS, segmental Calsilite above 24" IPS, in all thicknesses up to and including 3". Calsilite Block is available up to 4" thickness in 6" and 12" widths.

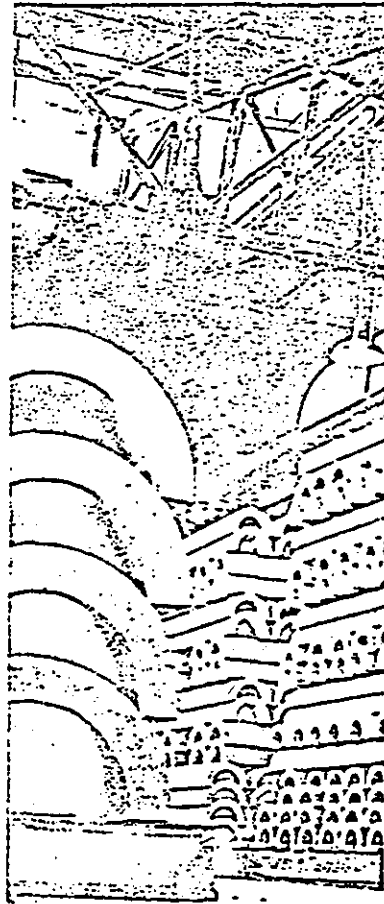
SPECIFICATIONS: Calsilite Insulation meets ASTM Specification C-533-64T and Federal Specification HH-1-00523B (GSA-FSS) for Block and Pipe Covering. Calsilite Pipe Covering meets Specification MIL-I-2781-D dated June 13, 1963. Calsilite Block meets Specification MIL-I-2819D dated August 9, 1963.



FORMS EASILY



TIGHTER JOINTS



FULL SIZE RANGE



NEAT APPEARANCE

DESIGN DATA

Property	Value
Thermal Conductivity / Mean Temp. BTU/sq. ft./inch/hr./°F.]	200°F 300°F 400°F 500°F 600°F 0.35 0.40 0.45 0.50 0.55
Density (Average)	12.5 lbs. / cu. ft.
Tensile Strength (Average)	100 lbs. / sq. in.
Resistance to Abrasion (Loss in weight—max.)	After 10 min.—10%; after 20 min.—20%
Change under Soaking Heat (Loss of weight)	24 hrs. @ 1200°F.—7.5%; 6 hrs. @ 1000°F.—7.0%
Linear Shrinkage	24 hrs. @ 1200°F.—1.5%; 6 hrs. @ 1000°F.—0.8%
Compressive Strength (After immersion in water for 16 hours, while wet)	120 psi to produce 5% deformation

RECOMMENDED THICKNESSES

Original Pipe Size, Inches ↓	PIPE / UTILITY—STEAM GENERATION											PIPE / PROCESS										
1	1	1	1	1½	1½	1½	2	2½	2½	2½	3	1	1	1	1	1	1	1½	1½	1½		
1	1	1	1	1½	1½	1½	2	2½	2½	2½	3	1	1	1	1	1	1	1½	1½	1½		
1½	1	1	1½	2	2	2	2½	2½	3	3	3½	1	1	1	1	1	1	1½	1½	1½		
2	1	1	1½	2	2	2	2½	2½	3	3	3½	1	1	1	1	1	1	1½	1½	1½		
2½	1	1½	1½	2	2	2	2½	3	3	3	3½	1	1	1	1	1½	1½	1½	2	2		
3	1	1½	1½	2	2	2	2½	3	3	3	3½	1	1	1	1	1½	1½	1½	2	2		
3½	1	1½	1½	2	2	2	2½	3	3	3	3½	1	1	1	1	1½	1½	1½	2	2		
4	1	1½	1½	2	2	2	2½	3	3	3	3½	1	1	1	1	1½	1½	1½	2	2		
4½	1	1½	1½	2	2	2	2½	3	3	3	3½	1	1	1	1	1½	1½	1½	2	2		
5	1	1½	1½	2	2	2	2½	3	3	3	3½	1	1	1	1	1½	1½	1½	2	2		
5½	1	1½	2	2	2	2	2½	3	3	3	3½	1	1	1	1	1½	1½	1½	2	2		
6	1	1½	2	2	2	2	2½	3	3	3	3½	1	1	1	1	1½	1½	1½	2	2		
6½	1	1½	2	2	2	2	2½	3	3	3	3½	1	1	1	1	1½	1½	1½	2	2		
7	1	1½	2	2	2	2	2½	3	3	3	3½	1	1	1	1	1½	1½	1½	2	2		
7½	1	1½	2	2	2	2	2½	3	3	3	3½	1	1	1	1	1½	1½	1½	2	2		
8	1	1½	2	2	2	2	2½	3	3	3	3½	1	1	1	1	1½	1½	1½	2	2		
8½	1	1½	2	2	2	2	2½	3	3	3	3½	1	1	1	1	1½	1½	1½	2	2		
9	1	1½	2	2	2	2	2½	3	3	3	3½	1	1	1	1	1½	1½	1½	2	2		
9½	1	1½	2	2	2	2	2½	3	3	3	3½	1	1	1	1	1½	1½	1½	2	2		
10	1	1½	2	2	2	2	2½	3	3	3	3½	1	1	1	1	1½	1½	1½	2	2		
10½	1	1½	2	2	2	2	2½	3	3	3	3½	1	1	1	1	1½	1½	1½	2	2		
11	1	1½	2	2	2	2	2½	3	3	3	3½	1	1	1	1	1½	1½	1½	2	2		
11½	1	1½	2	2	2	2	2½	3	3	3	3½	1	1	1	1	1½	1½	1½	2	2		
12	1	1½	2	2	2	2	2½	3	3	3	3½	1	1	1	1	1½	1½	1½	2	2		
12½	1	1½	2	2	2	2	2½	3	3	3	3½	1	1	1	1	1½	1½	1½	2	2		
13	1	1½	2	2	2	2	2½	3	3	3	3½	1	1	1	1	1½	1½	1½	2	2		
13½	1	1½	2	2	2	2	2½	3	3	3	3½	1	1	1	1	1½	1½	1½	2	2		
14	1	1½	2	2	2	2	2½	3	3	3	3½	1	1	1	1	1½	1½	1½	2	2		
14½	1	1½	2	2	2	2	2½	3	3	3	3½	1	1	1	1	1½	1½	1½	2	2		
15	1	1½	2	2	2	2	2½	3	3	3	3½	1	1	1	1	1½	1½	1½	2	2		
15½	1	1½	2	2	2	2	2½	3	3	3	3½	1	1	1	1	1½	1½	1½	2	2		
16	1	1½	2	2	2	2	2½	3	3	3	3½	1	1	1	1	1½	1½	1½	2	2		
16½	1	1½	2	2	2	2	2½	3	3	3	3½	1	1	1	1	1½	1½	1½	2	2		
17	1	1½	2	2	2	2	2½	3	3	3	3½	1	1	1	1	1½	1½	1½	2	2		
17½	1	1½	2	2	2	2	2½	3	3	3	3½	1	1	1	1	1½	1½	1½	2	2		
18	1	1½	2	2	2	2	2½	3	3	3	3½	1	1	1	1	1½	1½	1½	2	2		
18½	1	1½	2	2	2	2	2½	3	3	3	3½	1	1	1	1	1½	1½	1½	2	2		
19	1	1½	2	2	2	2	2½	3	3	3	3½	1	1	1	1	1½	1½	1½	2	2		
19½	1	1½	2	2	2	2	2½	3	3	3	3½	1	1	1	1	1½	1½	1½	2	2		
20	1	1½	2	2	2	2	2½	3	3	3	3½	1	1	1	1	1½	1½	1½	2	2		
20½	1	1½	2	2	2	2	2½	3	3	3	3½	1	1	1	1	1½	1½	1½	2	2		
21	1	1½	2	2	2	2	2½	3	3	3	3½	1	1	1	1	1½	1½	1½	2	2		
21½	1	1½	2	2	2	2	2½	3	3	3	3½	1	1	1	1	1½	1½	1½	2	2		
22	1	1½	2	2	2	2	2½	3	3	3	3½	1	1	1	1	1½	1½	1½	2	2		
22½	1	1½	2	2	2	2	2½	3	3	3	3½	1	1	1	1	1½	1½	1½	2	2		
23	1	1½	2	2	2	2	2½	3	3	3	3½	1	1	1	1	1½	1½	1½	2	2		
23½	1	1½	2	2	2	2	2½	3	3	3	3½	1	1	1	1	1½	1½	1½	2	2		
24	1	1½	2	2	2	2	2½	3	3	3	3½	1	1	1	1	1½	1½	1½	2	2		
24½	1	1½	2	2	2	2	2½	3	3	3	3½	1	1	1	1	1½	1½	1½	2	2		
25	1	1½	2	2	2	2	2½	3	3	3	3½	1	1	1	1	1½	1½	1½	2	2		
25½	1	1½	2	2	2	2	2½	3	3	3	3½	1	1	1	1	1½	1½	1½	2	2		
26	1	1½	2	2	2	2	2½	3	3	3	3½	1	1	1	1	1½	1½	1½	2	2		
26½	1	1½	2	2	2	2	2½	3	3	3	3½	1	1	1	1	1½	1½	1½	2	2		
27	1	1½	2	2	2	2	2½	3	3	3	3½	1	1	1	1	1½	1½	1½	2	2		
27½	1	1½	2	2	2	2	2½	3	3	3	3½	1	1	1	1	1½	1½	1½	2	2		
28	1	1½	2	2	2	2	2½	3	3	3	3½	1	1	1	1	1½	1½	1½	2	2		
28½	1	1½	2	2	2	2	2½	3	3	3	3½	1	1	1	1	1½	1½	1½	2	2		
29	1	1½	2	2	2	2	2½	3	3	3	3½	1	1	1	1	1½	1½	1½	2	2		
29½	1	1½	2	2	2	2	2½	3	3	3	3½	1	1	1	1	1½	1½	1½	2	2		
30	1	1½	2	2	2	2	2½	3	3	3	3½	1	1	1	1	1½	1½	1½	2	2		
30½	1	1½	2	2	2	2	2½	3	3	3	3½	1	1	1	1	1½	1½	1½	2	2		
31	1	1½	2	2	2	2	2½	3	3	3	3½	1	1	1	1	1½	1½	1½	2	2		
31½	1	1½	2	2	2	2	2½	3	3	3	3½	1	1	1	1	1½	1½	1½	2	2		
32	1	1½	2	2	2	2	2½	3	3	3	3½	1	1	1	1	1½	1½	1½	2	2		
32½	1	1½	2	2	2	2	2½	3	3	3	3½	1	1	1	1	1½	1½	1½	2	2		
33	1	1½	2	2	2	2	2½	3	3	3	3½	1	1	1	1	1½	1½	1½	2	2		
33½	1	1½	2	2	2	2	2½	3	3	3	3½	1	1	1	1	1½	1½	1½	2	2		
34	1	1½	2	2	2	2	2½	3	3	3	3½	1	1	1	1	1½	1½	1½	2	2		
34½	1	1½	2	2	2	2	2½	3	3	3	3½	1	1	1	1	1½	1½	1½	2	2		
35	1	1½	2	2	2	2	2½	3	3	3	3½	1	1	1	1	1½	1½	1½	2	2		
35½	1	1½	2	2	2	2	2½	3	3	3	3½	1	1	1	1	1½	1½	1½	2	2		
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37	1	1½	2	2	2	2	2½	3	3	3	3½	1	1	1	1	1½	1½	1½	2	2		
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39	1	1½	2	2	2	2	2½	3	3	3	3½	1	1	1	1	1½	1½	1½	2	2		
39½	1	1½	2	2	2	2	2½	3	3	3	3½	1	1	1	1	1½	1½	1½	2	2		
40	1	1½	2	2	2	2	2½	3	3	3	3½	1	1	1	1	1½	1½	1½	2	2		
40½	1	1½	2	2	2	2	2½	3	3	3	3½	1	1	1	1	1½	1½	1½	2	2		
41	1	1½	2	2	2	2	2½	3	3	3	3½	1	1	1	1	1½	1½	1½	2	2		
41½	1	1½	2	2	2	2	2½	3	3	3	3½	1	1	1	1	1½	1½	1½	2	2		
42	1	1½	2	2	2	2	2½	3	3	3	3½	1	1	1	1	1½	1½	1½	2	2		
42½	1	1½	2	2	2	2	2½	3	3	3	3½	1	1	1	1	1½	1½	1½	2	2		
43	1	1½	2	2	2	2	2½	3	3	3	3½	1	1	1	1	1½	1½	1½	2	2		
43½	1	1½	2	2	2	2	2½	3	3	3	3½	1	1	1	1	1½	1½	1½	2	2		
44	1	1½	2	2	2	2	2½	3	3	3	3½	1	1	1	1	1½	1½	1½	2	2		
44½	1	1½	2	2	2	2	2½	3	3	3	3½	1	1	1	1	1½	1½	1½	2	2		
45	1	1½	2	2	2	2	2½	3	3	3	3½	1	1	1	1</							

PACKAGING DATA

PIPE SIZE —	½"	¾"	1"	1¼"	1½"	2"	2½"	3"	3½"	4"	4½"	5"	6"	7"	8"	9"	10"	11"	12"	14"	15"	16"	17"	18"	19"	20"	21"	22"	24"
Sections per Ctn.	45	45	25	25	21	18	16	15	9	9	8	8	6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Av. Gross Wgt. per Ctn. (lbs.)	100	95	75	70	70	70	70	65	55	65	55	45	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Ctn. Number	201	201	212	212	201	201	202	221	202	202	203	203	204	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sections per Ctn.	21	21	18	16	16	15	9	9	8	8	6	6	4	4	2	2	2	2	2	1	1	1	1	1	—	—	—	—	—
Av. Gross Wgt. per Ctn. (lbs.)	90	85	80	95	90	100	80	70	85	75	75	55	45	55	35	35	40	45	45	25	25	30	30	—	—	—	—	—	—
Ctn. Number	201	201	201	202	202	221	202	202	203	203	204	204	205	206	207	208	209	210	203	211	212	213	205	202	—	—	—	—	—
Sections per Ctn.	16	16	15	15	9	9	8	8	6	6	4	4	4	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1
Av. Gross Wgt. per Ctn. (lbs.)	105	105	115	120	95	85	100	90	85	80	70	60	70	40	45	50	50	55	30	30	35	35	35	40	40	40	45	45	45
Ctn. Number	202	202	221	221	202	202	203	203	204	204	205	205	206	207	208	209	210	203	211	212	213	205	202	206	214	215	216	217	218
Sections per Ctn.	9	9	9	9	8	8	6	6	4	4	4	4	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1
Av. Gross Wgt. per Ctn. (lbs.)	100	100	100	95	110	105	100	90	80	75	85	80	50	50	60	60	65	35	40	40	40	45	50	50	50	55	55	55	55
Ctn. Number	202	202	202	202	203	203	204	204	205	205	206	206	207	208	209	210	203	211	212	213	205	202	206	214	215	216	217	218	219
Sections per Ctn.	8	8	8	8	6	6	4	4	4	4	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1
Av. Gross Wgt. per Ctn. (lbs.)	120	115	115	110	105	100	85	80	95	90	55	55	60	65	70	75	40	45	50	50	50	55	55	60	60	65	65	70	70
Ctn. Number	203	203	203	203	204	204	205	205	206	206	207	207	208	209	210	203	211	212	213	205	202	205	214	215	216	217	218	219	220

CODE SIZE OF CARTONS

132	13 1/4"	x	12 1/2"	I.D.
201	27 1/2"	x	14"	I.D.
202	21 1/4"	x	21 1/4"	I.D.
203	32"	x	16"	I.D.
204	27"	x	18"	I.D.

205—20 1/4" x 20 1/4"	1.0.
205—22 1/4" x 22 1/4"	1.0.
207—24" x 12"	1.0.
209—26" x 13"	1.0.
209—27 1/2" x 17 1/4"	1.0.

213-30 1/2"	x 15 1/4"	
211-17 1/4"	x 17 1/4"	I.D.
212-18 1/4"	x 13 1/4"	I.D.
213-15 1/4"	x 9 1/4"	I.D.
214-23 1/4"	x 22 1/4"	I.D.

215—24 1/4"	x 24 1/4"	1.0.
215—25 1/4"	x 25 1/4"	1.0.
217—26 1/4"	x 26 1/4"	1.0.
218—27 1/4"	x 27 1/4"	1.0.
219—28 1/4"	x 28 1/4"	1.0.
221—28 1/4"	x 17 1/4"	1.0.

thus eliminating scorched or charred jackets. The construction also eliminates the potential fire hazard of exposed jackets to higher temperatures at the joints. Double-layer, staggered joint construction also minimizes thermal stresses in the insulation by reducing the temperature differential across each layer.

*Tabulated thicknesses are optimum thicknesses calculated on an economic (from "How to Determine Economic Thickness of Insulation"—National Insulation Manufacturers Association) basis for heat conservation under average operating conditions and assure adequate temperature control. Other conditions may warrant the use of other thicknesses.

Nominal Pipe Size, Inches

1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	3 1/2	4	4 1/2	5	6	7	8	9	10	11	12	14	15	16	17	18
1.34	1.27	1.27	1.57	2.18	2.58	2.99	3.35	5.02	4.24	6.14	5.06	5.48	—	—	—	—	—	—	—	—	—	—	—
2.75	2.66	3.00	4.02	3.85	4.56	6.43	5.70	7.85	7.08	8.91	7.83	8.78	10.3	11.5	12.3	14.3	15.4	16.3	17.0	18.0	18.9	19.7	21
4.42	4.33	5.13	5.11	4.93	6.91	9.26	8.53	10.6	9.90	12.3	11.2	13.0	14.3	15.6	18.5	19.6	21.1	22.9	23.3	24.7	25.9	27.7	29
7.83	7.76	7.54	7.46	10.1	9.71	12.1	11.2	13.8	13.2	16.3	15.4	17.0	18.7	21.8	23.7	25.1	27.5	29.2	29.9	31.7	34.2	35.4	37
10.5	10.4	10.3	10.1	13.0	12.6	15.4	14.5	18.1	17.4	20.4	19.3	21.4	24.8	27.1	29.2	31.5	33.7	35.9	36.9	39.6	41.8	43.5	45

PIPE / COMMERCIAL— FULL YEAR OPERATION				PIPE / COMMERCIAL— SEASONAL OPERATION				BLOCK											
1"	2	2 1/2	2 1/2	1	1	1 1/2	1 1/2	Utility—Steam Generation											
2	2	2 1/2	3	1	1	1 1/2	2	1 1/2 1 1/2 2 2 1/2 3 3 3 1/2 4 4 4 1/2 4 1/2											
2 1/2	2 1/2	3	3	1	1 1/2	1 1/2	2	Process											
3	3	3 1/2	3 1/2	1	1 1/2	2	2	1 1/2 1 1/2 1 1/2 1 1/2 1 1/2 2 2 2 2 1/2 2 1/2 3											
3 1/2	3 1/2	3 1/2	3 1/2	1	1 1/2	2	2	Commercial—Full Year Operation											
4	4	4	4	1 1/2	1 1/2	2	2 1/2	1 1/2 2 1/2 3 1/2 4 4 1/2 — — — — — —											
4 1/2	4 1/2	4 1/2	4 1/2	1 1/2	2	2 1/2	3	Commercial—Seasonal Operation											
5	5	5	5	1 1/2	2	2 1/2	3	1 1 1 1/2 2 2 1/2 — — — — — —											

PIPE SIZE —	12"	14"	15"	16"	17"	18"	19"	20"	21"	22"	23"	24"	25"	26"	27"	28"	29"	30"	31"	32"	33"	34"	35"	36"	38"	40"	42"	44"	46"	48"
Segments per Section	9	9	10	10	11	11	12	13	13	14	14	15	15	16	16	17	17	18	18	19	19	20	20	21	22	23	24	25	26	27
Actual O.D. of Covering	16"	17"	18"	19"	20"	21"	22"	23"	24"	25"	26"	27"	28"	29"	30"	31"	32"	33"	34"	35"	36"	37"	38"	39"	41"	43"	45"	47"	49"	51"
Segments per Section	9	10	10	11	11	12	13	13	14	14	15	15	16	16	17	17	18	18	19	19	20	20	21	21	22	24	25	26	27	28
Actual O.D. of Covering	17"	18"	19"	20"	21"	22"	23"	24"	25"	26"	27"	28"	29"	30"	31"	32"	33"	34"	35"	36"	37"	38"	39"	40"	42"	44"	46"	48"	50"	52"
Segments per Section	10	10	11	11	12	13	13	14	14	15	15	16	16	17	17	18	18	19	19	20	20	21	21	22	23	24	25	26	27	28
Actual O.D. of Covering	18"	19"	20"	21"	22"	23"	24"	25"	25"	27"	28"	29"	30"	31"	32"	33"	34"	35"	35"	37"	38"	39"	40"	41"	43"	45"	47"	49"	51"	53"
Segments per Section	10	11	11	12	13	13	14	14	15	15	16	16	17	17	18	18	19	19	20	20	21	21	22	22	24	25	26	27	28	29
Actual O.D. of Covering	19"	20"	21"	22"	23"	24"	25"	25"	27"	28"	29"	30"	31"	32"	33"	34"	35"	36"	37"	38"	39"	40"	41"	42"	44"	46"	48"	50"	52"	54"

PIPE SIZE —	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"	PIPE SIZE —	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	3 1/2"	4"
Sections per Ctn.	45	45	45	45	25	25	25	21	18	16	15	15	15	15	21	18	16	15	15	15
Av. Gross Wgt. per Ctn. (lbs.)	75	74	71	68	60	57	53	70	70	70	61	61	61	61	70	70	70	70	61	61
Ctn. Number	201	201	201	201	212	212	212	201	201	202	202	202	202	202	201	201	202	221	202	202

Gross Weight of Carton—53 lbs. All Blocks are packaged in No. 102 Cartons.
CURVED BLOCKS — SEGMENTS
Block 24 per ctn. / 2" thick 18 per ctn. / 2 1/2" thick 14 per ctn. / 3" thick 12 per ctn.
All Segments are packaged in No. 102 Cartons

Q — Nominal Insulation Thickness / HL — Heat Loss (BTU/lin. ft./hr., ambient still air at 80°F) / E — Insulation Efficiency / S — Surface Temperature (for common surface finishes having an emissivity of approximately 0.90)

TEMP. — °F	200°F				400°F				600°F				800°F				1000°F				1200°F			
	T	HL	E	ST	T	HL	E	ST	T	HL	E	ST	T	HL	E	ST	T	HL	E	ST	T	HL	E	ST
1/2	1	15.7	77.6	95	1	47.9	82.5	120	1	87.5	85.0	146	1	135	88.7	173	1 1/2	159	92.2	162	1 1/2	211	93.5	181
	1 1/2	13.4	80.9	89	1 1/2	40.5	85.2	105	1 1/2	73.9	88.2	123	2	97.1	91.8	125	2 1/2	119	94.2	122	2 1/2	157	95.2	139
	2	11.5	83.5	87	2	34.9	87.3	98	2 1/2	55.5	91.1	101	2 1/2	84.9	92.9	111	3	112	94.5	115	3	148	95.5	125
3/4	1	19.0	77.7	98	1	58.0	82.3	127	1	106	85.2	158	1	164	88.8	189	1 1/2	179	92.9	170	1 1/2	238	94.2	192
	1 1/2	15.1	82.3	91	1 1/2	45.7	86.5	109	1 1/2	83.2	89.2	128	2	111	92.4	131	2 1/2	133	94.7	127	2 1/2	176	95.7	129
	2	13.2	84.5	88	2	39.9	85.2	101	2 1/2	62.2	91.9	104	2 1/2	95.2	93.5	115	3	125	95.1	119	3	165	95.9	130
1	1	19.8	81.1	95	1	60.4	85.5	121	1	111	88.4	148	1	170	90.7	176	1 1/2	195	93.8	168	1 1/2	258	94.9	188
	1 1/2	16.4	84.4	90	1 1/2	49.7	88.0	108	1 1/2	90.4	90.5	127	2	120	93.4	130	2 1/2	152	95.2	132	2 1/2	201	96.0	146
	2	14.2	86.5	88	2	43.1	89.6	100	2 1/2	70.5	92.5	107	2 1/2	108	94.1	119	3	140	95.5	123	3	186	96.2	135
1 1/4	1	25.5	80.4	99	1	78.1	84.9	132	1	144	88.0	165	1	222	90.3	197	1 1/2	218	94.5	169	1 1/2	290	95.4	190
	1 1/2	18.4	85.9	91	1 1/2	55.5	89.2	108	1 1/2	102	91.5	127	2	143	93.7	138	2 1/2	177	95.5	139	2 1/2	234	96.3	155
	2	15.9	87.1	89	2	51.3	90.1	104	2 1/2	82.3	93.1	111	2 1/2	125	94.5	125	3	162	95.9	129	3	214	96.5	142
1 1/2	1	26.0	82.3	98	1	79.4	86.4	127	1	146	89.3	157	1	224	91.4	187	1 1/2	248	94.5	178	1 1/2	329	95.5	200
	1 1/2	20.8	85.9	92	1 1/2	63.1	89.2	112	1 1/2	115	91.5	133	2	140	94.6	129	2 1/2	177	96.1	133	2 1/2	234	96.9	147
	2	15.5	88.8	87	2	50.1	91.4	100	2 1/2	82.4	92.9	107	2 1/2	127	95.2	120	3	163	96.4	124	3	215	97.1	136
2	1	29.9	83.4	98	1	91.3	87.3	127	1	167	90.0	158	1 1/2	198	93.8	155	1 1/2	278	95.0	178	2	311	96.5	173
	1 1/2	23.3	87.1	92	1 1/2	70.8	90.2	112	1 1/2	129	92.3	133	2	168	94.8	137	2 1/2	208	96.3	140	3	251	97.2	143
	2	19.8	89.1	89	2	60.0	91.7	103	3	88.3	94.7	106	2 1/2	149	95.4	126	3	190	96.6	130	3 1/2	232	97.4	124
2 1/2	1	34.4	84.1	98	1	105	87.8	129	1	193	90.4	160	1 1/2	205	94.7	147	1 1/2	237	95.7	168	2	329	97.0	167
	1 1/2	24.2	88.8	90	1 1/2	73.3	91.5	108	2	116	94.2	117	2 1/2	159	95.9	123	2 1/2	222	96.7	137	3 1/2	247	97.7	132
	2	21.0	90.3	88	2 1/2	57.0	93.4	98	3	94.7	95.3	105	3	145	96.2	116	3	203	97.0	129	4	232	97.9	125
3	1	40.7	84.2	99	1	125	88.0	131	1	229	90.5	164	1 1/2	264	94.3	162	1 1/2	371	95.4	186	2	409	95.9	183
	1 1/2	31.0	88.0	93	1 1/2	94.2	90.9	115	2	144	94.1	124	2 1/2	192	95.9	131	3	242	97.0	125	3 1/2	290	97.8	139
	2	25.0	89.9	90	2 1/2	68.9	93.3	101	3 1/2	103	95.8	104	3 1/2	157	95.6	115	4	204	97.5	121	4 1/2	253	98.1	125
3 1/2	1	38.4	86.8	96	1	118	90.0	122	1 1/2	172	93.7	131	1 1/2	264	95.0	153	2	314	96.6	156	2 1/2	367	97.5	159
	1 1/2	31.0	89.4	91	1 1/2	94.1	92.0	111	2	147	94.7	120	2	224	95.8	138	3	248	97.3	132	4	282	98.1	130
	2	25.5	90.9	89	2	80.3	93.1	104	2 1/2	129	95.3	113	3	177	96.7	119	3 1/2	228	97.5	125	5	261	98.3	124
4	1	48.8	85.0	99	1	150	83.6	132	1 1/2	208	93.2	140	1 1/2	319	94.6	165	2	369	95.4	167	2 1/2	422	97.5	165
	1 1/2	37.4	88.5	94	1 1/2	114	91.3	116	2	172	94.4	126	2 1/2	227	95.2	133	3	280	97.3	138	4	313	98.1	135
	2	31.0	90.5	90	2	94.0	92.8	107	3 1/2	120	96.1	105	3	200	95.6	124	3 1/2	256	97.5	130	4 1/2	288	98.3	127
4 1/2	1	45.8	87.3	96	1	140	90.3	123	1 1/2	203	94.0	133	1 1/2	311	95.3	156	2	368	96.8	159	2 1/2	420	97.7	161
	1 1/2	36.6	89.8	92	1 1/2	112	92.3	112	2	171	95.0	122	2 1/2	227	96.6	129	3	286	97.5	135	4	317	98.2	131
	2	31.0	91.4	89	2 1/2	81.3	94.4	100	3 1/2	123	96.4	104	3	205	95.9	121	3 1/2	262	97.7	128	5	295	98.4	125
5	1	50.3	85.0	100	1	182	88.6	134	1 1/2	249	93.4	143	1 1/2	382	94.8	169	2	436	96.6	170	2 1/2	485	97.5	170
	1 1/2	44.7	88.7	94	1 1/2	136	91.5	118	2 1/2	171	95.5	118	2 1/2	252	96.4	135	3 1/2	295	97.7	132	4	353	98.3	136
	2	36.5	90.8	91	2 1/2	93.9	94.1	102	3 1/2	138	96.3	107	3	233	96.8	126	4	257	97.9	124	5	310	98.5	125
6	1	70.4	84.9	101	1	216	88.5	136	1 1/2	291	93.4	145	2	352	95.9	150	2 1/2	421	97.2	155	2 1/2	558	97.7	170
	1 1/2	52.2	88.8	95	2	126	93.3	109	2 1/2	196	95.6	120	2 1/2	301	96.5	137	3 1/2	327	97.8	133	4	398	98.4	139
	2	41.4	91.1	91	3	95.2	95.0	100	4	141	96.8	104	3	255	96.9	128	4	301	98.0	126	5	344	98.6	127
7	1 1/2	56.9	89.3	94	1 1/2	174	91.9	119	1 1/2	317	93.8	144	2	394	96.0	151	2 1/2	469	97.3	157	2 1/2	622	97.8	175
	2	46.3	91.3	91	2	141	93.5	110	2 1/2	219	95.7	121	2 1/2	335	96.6	138	3 1/2	361	97.9	134	4	438	98.4	140
	2 1/2	39.5	92.6	89	3	103	95.2	99	4	155	97.0	104	3	286	97.1	127	4	331	98.1	123	5	380	98.7	129
8	1 1/2	63.2	89.4	95	1 1/2	193	92.1	119	1 1/2	332	93.4	145	2	435	96.1	152	2 1/2	498	97.4	155	3	582	98.2	160
	2	51.2	91.4	91	2	156	93.5	110	2 1/2	232	95.9	120	3	314	97.2	128	3 1/2	395	98.0	125	4 1/2	443	98.6	135
	2 1/2	42.1	92.9	89	3	113	95.3	100	4	159	97.1	105	3 1/2	253	97.5	122	4	361	98.1	129	5	413	98.7	130
9	1 1/2	69.4	89.5	95	1 1/2	212	92.1	120	1 1/2	337	93.9	145	2	455	96.3	149	2 1/2	544	97.5	156	3	633	98.2	161
	2	53.6	91.9	91	2	163	93.9	109	2 1/2	253	95.0	120	3	341	97.2	129	3 1/2	429	98.0	126	4 1/2	478	98.6	136
	2 1/2	45.9	93.0	89	3	123	95.4	100	4	183	97.1	106	3 1/2	307	97.5	122	4	392	98.2	130	5	446	98.7	131
10	1 1/2	74.0	89.9	94	1 1/2	226	92.4	119	2	333	95.3	131	2 1/2	432	96.9	140	2 1/2	606	97.5	159	3 1/2	626	98.4	153

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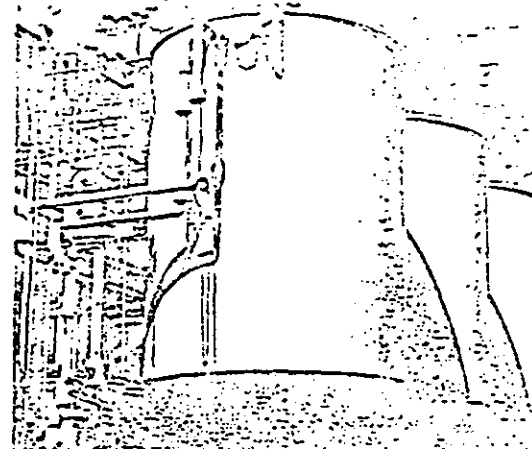
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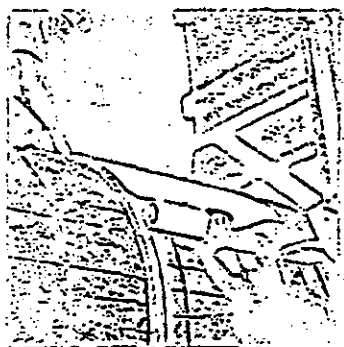
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