

PABCO



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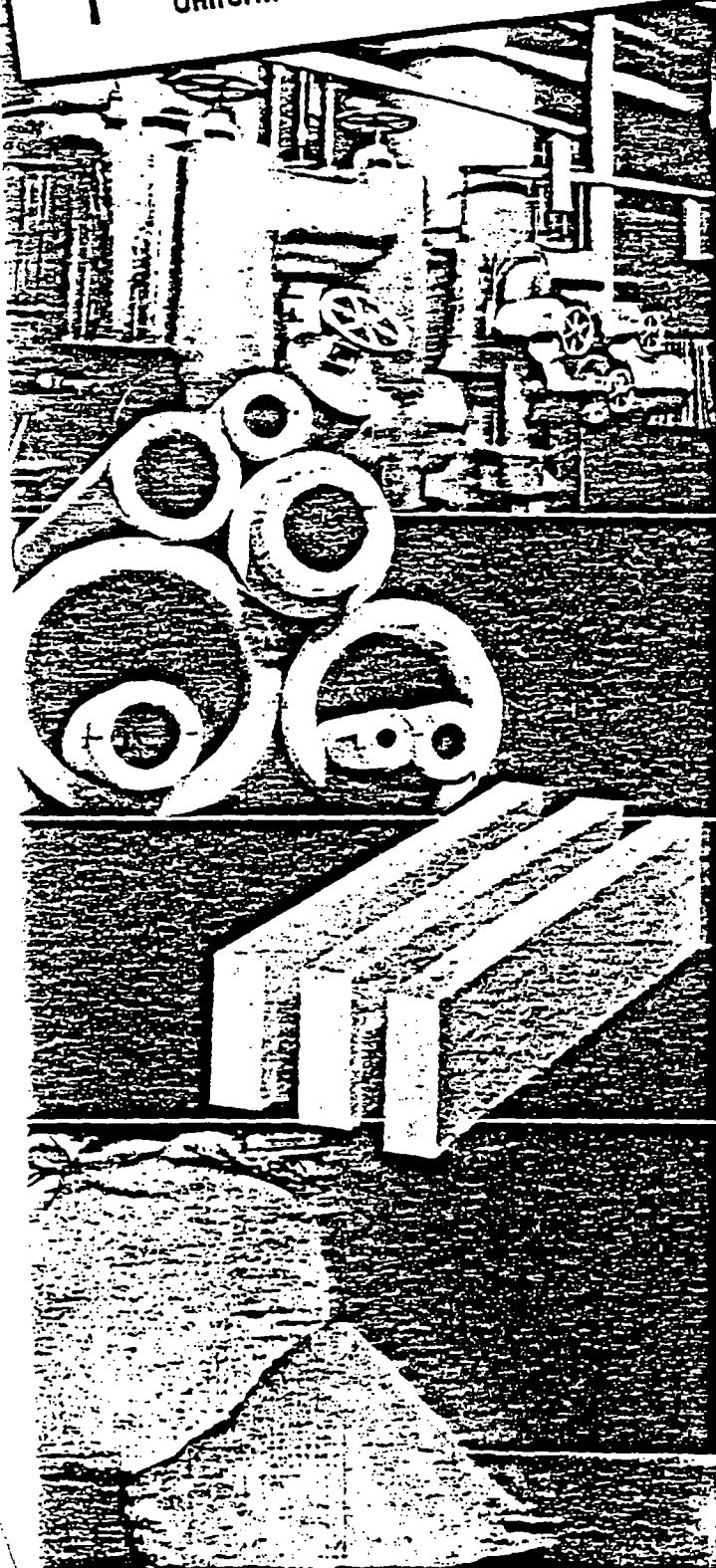
CALTEMP
Pipe Covering and Block
INSULATION

ALMA No. 37-39

CALTEMP...another Pabco "PRECISION MOLDED" product

Advantages of Pabco "PRECISION MOLDED" CALTEMP

Low "K" Factor
Resistant to moisture damage
Precision fit on pipes
Strong and durable
Light weight
Tough "rind" surface
Easy to apply
Uniform in structure



Pabco "PRECISION MOLDED" CALTEMP

is a reacted hydrous calcium silicate type of material composed primarily of diatomaceous earth and asbestos fibre. It is a new heat insulation material developed by Pabco Products Inc. to meet the ever changing and growing needs of industry. It is being produced under Pabco's "PRECISION MOLDED" patented process* to supplement Pabco "PRECISION MOLDED" 85% Magnesia and Prasco High Temperature Insulations.

*Patent Numbers: 2,027,714; 2,131,374; 2,209,727; 2,209,753; 2,209,754; 2,329,041; 2,432,981

Pabco "PRECISION MOLDED" CALTEMP PIPE COVERING and BLOCK INSULATIONS

are highly satisfactory when used for temperatures from 200° F. to 1200° F. inclusive. They are specifically recommended for the temperature range from 551° F. to 1200° F. inclusive.

Pabco "PRECISION MOLDED" PIPE COVERING, subject to heat conservation results, can be applied as a single layer or as the inner layer of insulations with Pabco "PRECISION MOLDED" 85% Magnesia layer.

CALTEMP BLOCKS are available in the thicknesses listed in the table of Cartoning Data.

CALTEMP PIPE COVERING is available for all pipe sizes and thicknesses listed in the table of Cartoning Data.

For temperatures above 1200° F., Prasco High Temperature Insulation should be used as the inner layer.

A copy of our catalog or "PRECISION MOLDED" 85% Magnesia and Prasco High Temperature Insulations is available upon request.

CALTEMP CEMENT for temperatures to 1200° F.

Caltemp cement is composed of the same material as Caltemp pipe covering and blocks. It is recommended for temperatures to 1200° F. for use in a concrete or masonry.

Caltemp cement is packed in 60# burlap bags and has a covering of approximately 30 sq. ft., 1" thick per bag.

Physical Characteristics of CALTEMP

CONDUCTIVITY

B.T.U. per inch thickness, per square foot, per hour, per °F.

Mean Temp. °F.	Conductivity
200°	.415
300°	.445
400°	.490
500°	.515
600°	.530
700°	.570
800°	.630
900°	.690

FLEXURAL STRENGTH

Approximately 55- per sq. inch.

COMPRESSIVE STRENGTH (at 5% deformation)

Approximately 120- per sq. inch. After boiling 24 hours (while wet), approximately 50% of dry strength.

LOSS IN WEIGHT

After heating for 6 hours at 1200° F., approximately 10%.

DENSITY

Pounds per cubic foot, approximately 12.

DIMENSIONAL STABILITY

Linear shrinkage after heating for 24 hours at 1200° F., 1-2%.

Cartoning Data • CALTEMP PIPE COVERING

	NOMINAL 1" THICK		NOMINAL 1½" THICK		NOMINAL 2" THICK		NOMINAL 2½" THICK		NOMINAL 3" THICK		DOUBLE LAYER THICK		COPPER TUBING NOMINAL 1" THICK	
	Sections Per Carton	Ship- ping Wt.	Sections Per Carton	Ship- ping Wt.	Sections Per Carton	Ship- ping Wt.	Sections Per Carton	Ship- ping Wt.	Sections Per Carton	Ship- ping Wt.	Sections Per Carton	Ship- ping Wt.	Sections Per Carton	Ship- ping Wt.
1"	40	70			12	69	*10	71	**8	99	12	69	56	75
1½"	40	69	20	72	12	67	*10	70	*8	99	12	67	40	70
2"	40	67	20	70	12	65	*10	69	**8	99	12	65	40	69
2½"	27	64	*17	72	*10	68	*8	76	**8	98	*10	68	27	67
3"	27	59	12	63	*10	66	*8	74	**8	98	*10	66	27	64
3½"	20	56	12	60	*8	75	**8	95	**6	98	*8	75	20	62
4"	*17	60	*10	60	*8	69	**8	90	**6	97	*8	69	*17	61
4½"	**20	85	*10	55	**8	90	**8	89	**6	92	**8	90	**20	87
5"	*16	78	*8	62	**8	87	**6	85	3	62	**8	87	*10	50
5½"	*8	54	*8	54	**6	82	3	53	**4	92	**6	82		
6"	*8	46	**8	68	**6	79	3	51	**4	90	**6	79		
6½"	**8	65	**8	65	**6	75	**4	87	**3	82	**4	82		
7"	**8	55	**6	64	3	47	**4	87	**3	80	**4	84		
7½"	4	33	3	37	**4	67	**3	64	*2	85	**3	65		
8"	**4	60	**4	60	**3	57			1	35	1	35		
8½"	**3	52	**3	52	*2	44	***1	30	1	37	1	37		
9"	*2	40	*2	40	***1	27			1	39	1	39		
9½"	***1	22	***1	22	1	30	1	35	1	41	1	41		
10"	1	25	1	25	2	32			1	45	1	45		
10½"	1	27	1	27	1	33	1	40	**1	47	**1	47		
11"	1	27	1	27	1	34	1	41	**1	49	**1	49		
11½"	1	29	1	29	**1	36			**1	51	**1	51		
12"	**1	31	**1	31	**1	38	**1	45						
12½"	**1	33	**1	33	**1	39								
13"	**1	35	**1	35	**1	40	**1	48						

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Cartoning Data • CALTEMP BLOCKS 6" widths—36" lengths

THICKNESS	PIECES	SQ. FT.	SHIPPING WEIGHT
1	36	54	62
1¼	28	42	62
1½	24	36	62
2	18	27	62
2½	14	21	62
3	12	18	62



NOTE: Standard carton 18½" x 18½" x 37"

* 13½" x 26½" x 37"

** 22½" x 23½" x 37"

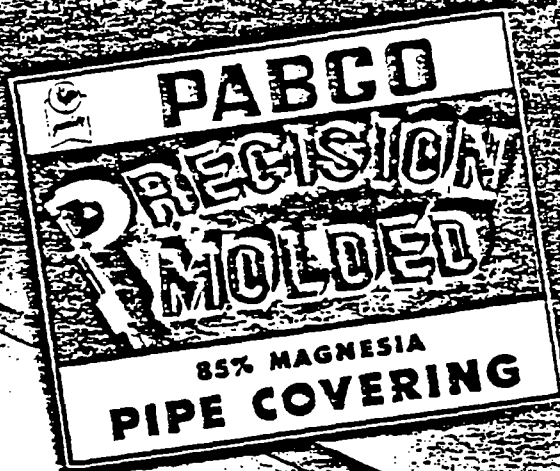
*** 14½" x 14½" x 37"

Block carton 12" x 18½" x 37"



NOW AS ALWAYS!

THE *Dependable* STANDARD
Modernized!



LIGHTWEIGHT

Present standard production of Pabco "PRECISION MOLDED" 85% Magnesia weighs 11 pounds per cubic foot. Our manufacturing tolerance is plus or minus $\frac{1}{2}$ pound.

UNIFORMITY

The advantages of uniformity, with respect to density, thermal conductivity, size, thickness, fibre distribution, etc., are so apparent as to need no emphasis. The ability of a manufacturer, however, to control such factors, then exercise that control within small tolerances—is very important.

SMOOTH FINISH

Pabco "PRECISION MOLDED" 85% Magnesia is *not* molded over-size, then "milled" or "machined" to size. By unique processes it is molded to exact final size and thickness. Thus a smooth, firm "rind" is preserved on inner and outer surfaces of pipe covering, also on face and side surfaces of blocks.

DUCTILE STRENGTH

Pabco "PRECISION MOLDED" 85% Magnesia exceeds the modulus of rupture requirements of U. S. Navy Specifications, indicating fully square "machine test" strength.

"Ductile Strength" is a *use* measure, and very important. It is a measure of results; under vibrating service, under shipping shocks, under shock from accidental dropping, or shocks incidental to the normal methods used during application to pipes, boilers, tanks, fittings, etc.

CLEANLINESS

The firm, smooth "rind" surface of Pabco "PRECISION MOLDED" 85% Magnesia, and the ability of small pieces (purposely broken off during application) to hold together, results in "cleaner" jobs, and easier "clean ups" after job completions.

DURABILITY

The long service life of 85% Magnesia is proverbial. Pabco "PRECISION MOLDED" 85% Magnesia is also tough. Under most conditions it can be removed and reused if desired. If wet, it will not "mush," retaining its normal structure after drying.

PABCO PRODUCTS INC.

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Manufacturers of:

"PRECISION MOLDED" 85% Magnesia and High Temperature Insulations, Pabco Corrugated "Stonite" Sheets, Asbestos-Cement Siding Shingles, Linoleum Floor Coverings, Paint, Roofing, Mineral-Surfaced Shingles, Gypsum Wallboard and Grip-Lath, Roof Coatings, and Mastipave.