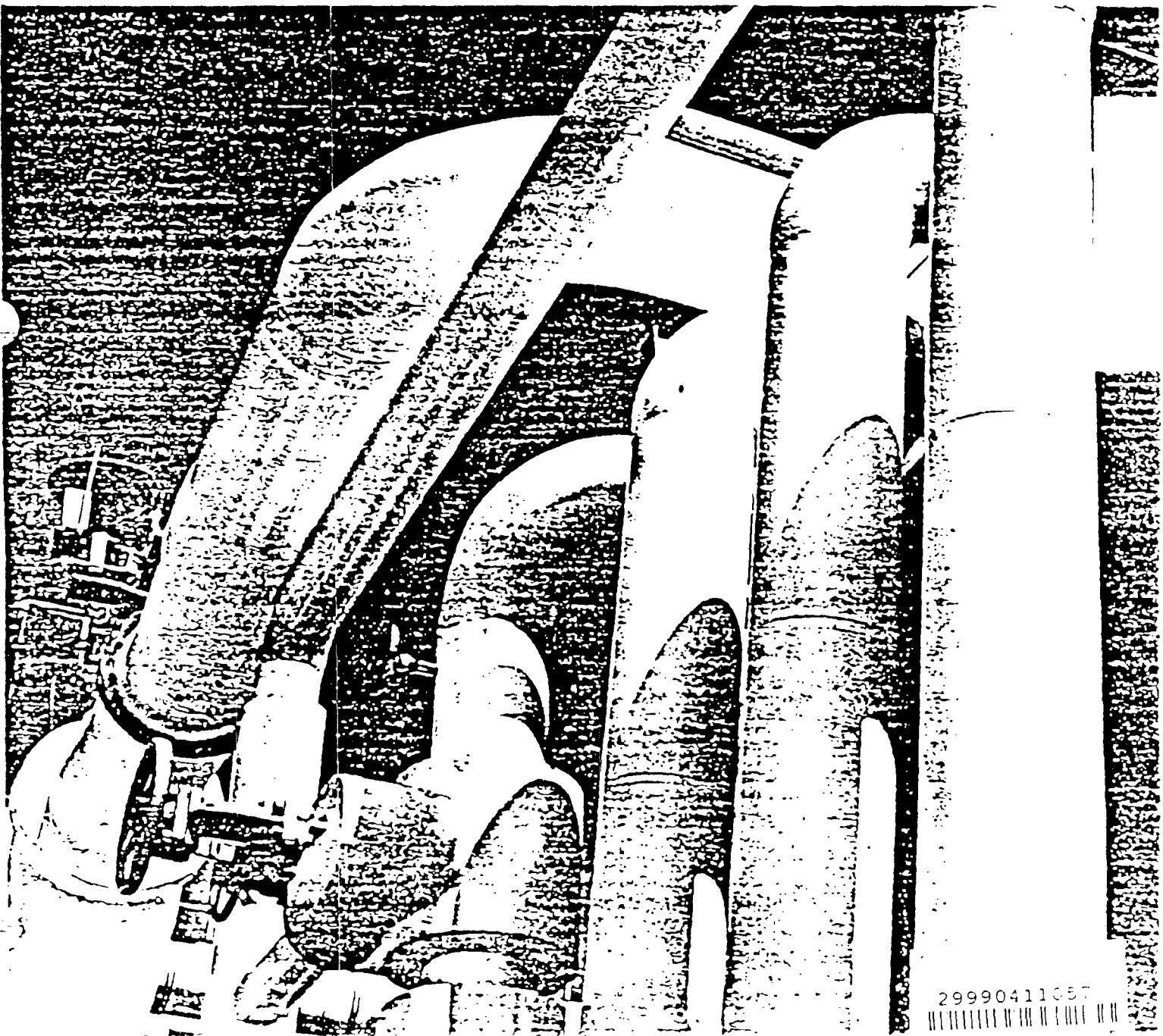


gaf Thermal Insulations

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Calsilite® Insulation

an improved calcium silicate insulation for use on process and power steam piping and equipment

RUBEROID® Calsilite® insulation offers distinct application advantages to the cost conscious user:

- ☐ Light and convenient to handle, therefore quickly and easily applied.
- ☐ Economical to install.
- ☐ Sections fit accurately on standard pipe sizes.
- ☐ Attractive, clean appearance. Ruberoid Calsilite insulation—normally provided with standard weight canvas jackets—may also be finished with heavy canvas or other types of weatherproof jacketing.

Advantages:

Improved thermal design: Radical new formulation of Calsilite means superior strength and durability under almost any exterior or interior industrial conditions. Calsilite is non-soluble in water and is not affected by most alkalis. It retains its shape under all conditions, including excessive condensation, high humidity... even complete saturation... yet returns to normal thermal efficiency when dry.

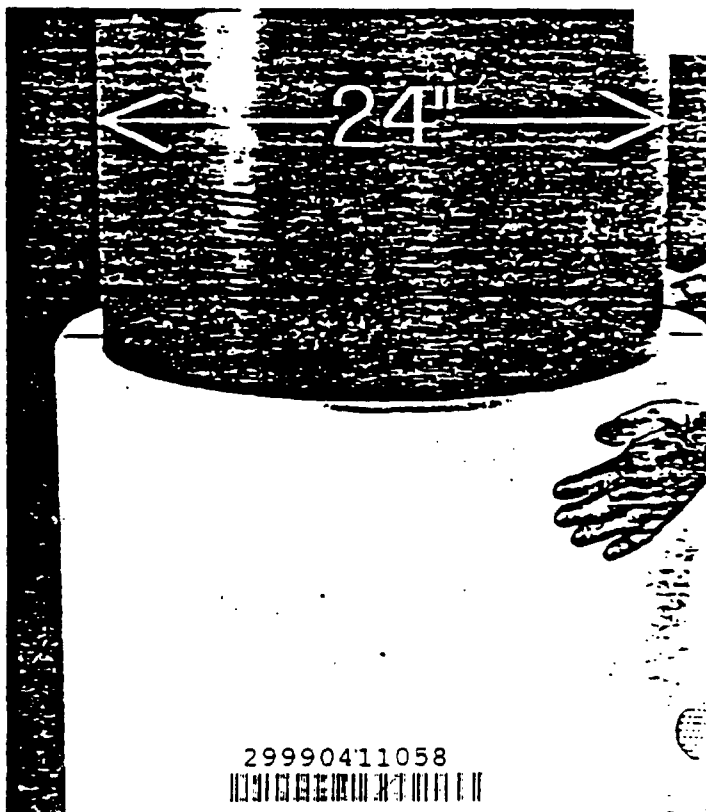
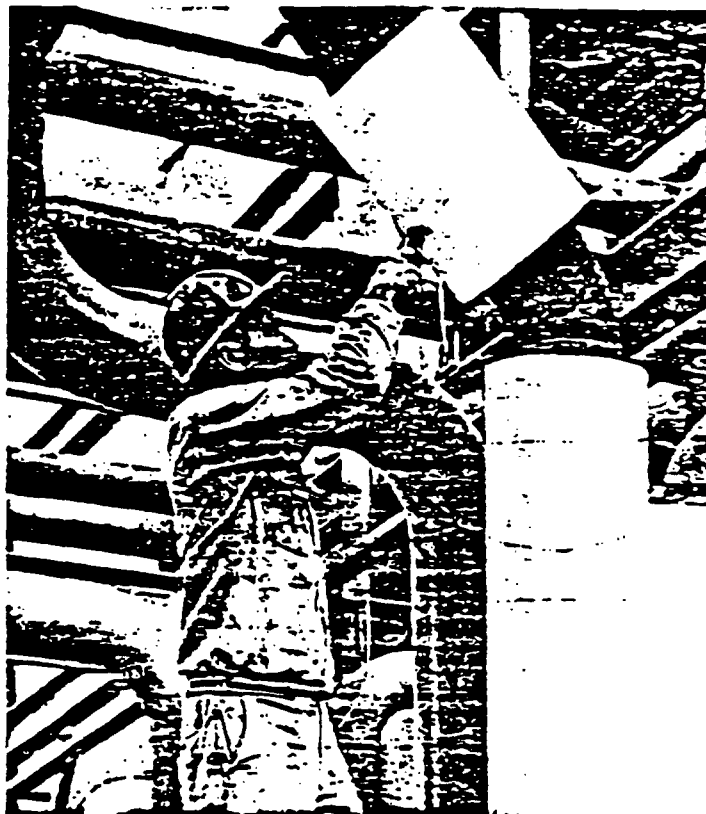
New sectional design: Installation normally accounts for the major share of the total job cost. New Sectional Calsilite cuts job time and saves money by doing away with piece by piece installation. It is available in a complete size range to fit pipe and tubing sizes up to and including 24" I.P.S. One layer thickness from 1" up to 3". Segmental Calsilite above 24".

Improved texture: Texture of Calsilite is so fine that insulation can be easily cut for any application. Even the smallest segments can be mitred with a minimum of breakage or crumbling. Reduction in loss of material means increased savings.

Ease of application: Calsilite is easy to fabricate, even for the most involved or detailed application. No special equipment required. Compatible cements finish joints and fittings neatly and evenly.

Variety of shapes and sizes: Made in half-sectional and regular segmental shapes as well as block forms. Calsilite eliminates the need to stock a variety of different types of insulation. Sizes correspond to standard iron pipe and copper tubing.

WHILE THE INFORMATION HEREIN IS BELIEVED TO BE RELIABLE, WE DO NOT GUARANTEE ITS ACCURACY. PURCHASERS ARE URGED TO MAKE THEIR OWN TESTS. OUR PRODUCTS ARE SOLD WITHOUT WARRANTY.



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Physical Characteristics

Thermal Conductivity (BTU/sq. ft./inch/hr./°F.)	at 200°F. (Mean)	0.35
	300°F. "	0.40
	400°F. "	0.45
	500°F. "	0.50
	600°F. "	0.55
Density	(Average)	12.5 lbs./cu. ft.
Moisture Absorption (Volume)	After 6 hours exposure in atmosphere of 90% relative humidity at 120° F. dry bulb temperature	0.7%
Flexural Strength	Lbs./sq. in. (average)	100
Resistance to Abrasion	Loss in Weight (Max.) After 10 min.	10%
	Loss in Weight (Max.) After 20 min.	20%
Change under Soaking Heat	Loss of Weight	
	24 hrs. @ 1200°F.	8.5%
	6 hrs. @ 1000°F.	7.0%
Linear Shrinkage	24 hrs. @ 1200°F.	1.8%
	6 hrs. @ 1000°F.	0.8%
Compressive Strength	Deformation after immersion in water for 16 hours while wet (Min.)	.5% @ 120 psi

Recommended Thickness for Commercial and Industrial Design

Pipe Covering						
temperature of pipe (°F)						
pipe size	200°	400°	600°	800°	1000°	1250°
1/2	1	1 1/2	2	2 1/2	3	3
3/4	1	1 1/2	2	2 1/2	3	3
1	1	1 1/2	2	2 1/2	3	3
1 1/4	1	1 1/2	2	2 1/2	3	3 1/2
1 1/2	1	1 1/2	2	2 1/2	3	3 1/2
2	1	1 1/2	2	2 1/2	3 1/2	3 1/2
2 1/2	1	1 1/2	2	3	3 1/2	3 1/2
3	1	1 1/2	2 1/2	3	3 1/2	4
4	1	2	2 1/2	3	3 1/2	4
5	1 1/2	2	2 1/2	3	3 1/2	4
6	1 1/2	2	2 1/2	3	3 1/2	4
7	1 1/2	2	2 1/2	3	3 1/2	4
8	1 1/2	2	2 1/2	3	3 1/2	4
9	1 1/2	2	2 1/2	3	3 1/2	4
10	1 1/2	2	2 1/2	3	4	4 1/2
12	1 1/2	2	2 1/2	3 1/2	4	4 1/2
14	1 1/2	2 1/2	3	3 1/2	4	4 1/2
16	1 1/2	2 1/2	3	3 1/2	4	4 1/2
18	1 1/2	2 1/2	3	3 1/2	4	4 1/2
20	1 1/2	2 1/2	3	3 1/2	4	4 1/2
24	1 1/2	2 1/2	3	3 1/2	4	4 1/2

Block			
available 36" long in 6", 12", 18", 24", 30" & 36" widths			
equip. temp. (°F)	commercial (110°F max. surface temp.)	power (130°F max. surface temp.)	process (150°F max. surface temp.)
200	1	1	1
300	1 1/2	1	1
400	2 1/2	1 1/2	1
500	3 1/2	2	1 1/2
600	4 1/2	2 1/2	1 1/2
700		3	2
800		4	2 1/2
900		4 1/2	3
1000		5 1/2	3 1/2
1100		6	4
1200		6 1/2	4 1/2

Note: It is recommended that double layer application with staggered joints be used on all installations of over 600° F.

Tabulated thicknesses are optimum thicknesses calculated on an economic basis* for heat conservation under average operating conditions and assure adequate temperature control. Other conditions may warrant the use of other thicknesses.

*From "How to Determine Economic Thickness of Insulation"—National Insulation Manufacturers Association.



Calsilite/Packaging Data

Calsilite Pipe Covering

	PIPE SIZE	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"	16"	18"	19"	20"	21"	22"	23"	24"			
Nom. 1" Th.	Sections per Ctn. Av. Gross Wgt. per Ctn. (lbs.) Ctn. Number	45 82 201	46 74 201	25 64 212	25 57 212	21 62 201	18 62 201	18 65 202	15 67 221	9 63 202	9 62 202	8 67 203	8 64 203	6 54 204	6 46 204	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Nom. 1 1/4" Th.	Sections per Ctn. Av. Gross Wgt. per Ctn. (lbs.) Ctn. Number	21 81 201	21 78 201	18 84 201	12 68 212	12 66 212	8 58 211	8 82 202	8 72 202	5 56 213	5 78 203	5 77 204	5 66 204	4 50 205	4 58 206	4 33 207	2 36 208	2 42 209	2 45 210	2 48 203	1 25 211	1 27 212	1 28 213	1 30 205	1 32 202	-	-	-	-			
Nom. 2" Th.	Sections per Ctn. Av. Gross Wgt. per Ctn. (lbs.) Ctn. Number	12 74 212	12 72 212	8 67 211	8 64 211	6 62 222	5 57 222	5 66 213	5 68 213	4 61 211	4 82 204	4 70 205	4 63 205	4 73 206	2 42 207	2 48 208	2 33 208	2 56 210	2 60 211	2 80 203	1 34 211	1 34 212	1 36 213	1 38 205	1 40 202	1 42 206	1 44 214	1 46 216	1 48 217	1 51 218	1 53 219	1 55 219
Nom. 2 1/2" Th.	Sections per Ctn. Av. Gross Wgt. per Ctn. (lbs.) Ctn. Number	6 64 222	6 63 222	6 64 222	6 62 213	5 71 213	5 67 213	4 66 211	4 64 211	4 76 210	4 73 210	3 70 208	3 68 208	4 70 208	2 48 209	2 53 210	2 62 203	2 67 211	2 71 212	2 38 212	1 42 213	1 43 213	1 45 205	1 48 206	1 50 202	1 53 214	1 56 216	1 58 217	1 63 218	1 64 219	1 66 219	1 1/2 35 210
Nom. 3" Th.	Sections per Ctn. Av. Gross Wgt. per Ctn. (lbs.) Ctn. Number	5 74 213	5 73 213	5 72 213	5 70 213	4 73 211	4 70 211	3 65 201	3 81 205	3 77 210	3 73 210	2 57 207	2 54 207	2 60 208	2 70 209	2 76 210	2 82 203	2 45 211	2 48 212	1 51 213	1 52 206	1 55 202	1 58 206	1 61 214	1 65 215	1 68 216	1 71 217	1 74 218	1 77 219	1 1/2 41 210	1 1/2 42 210	

Code Size of Cans

102-18 1/2" x 12 1/2" I.D.	205-20 1/2" x 20 1/2" I.D.	210-30 1/2" x 18 1/2" I.D.	215-24 1/2" x 24 1/2" I.D.	221-28 1/2" x 17 1/2" I.D.	226-8" x 36 1/2" I.D.
201-27 1/2" x 14" I.D.	206-22 1/2" x 22 1/2" I.D.	211-17 1/2" x 17 1/2" I.D.	216-25 1/2" x 25 1/2" I.D.	222-20 1/2" x 13 1/2" I.D.	227-12 1/2" x 24 1/2" I.D.
202-21 1/2" x 21 1/2" I.D.	207-24" x 12" I.D.	212-18 1/2" x 18 1/2" I.D.	217-26 1/2" x 26 1/2" I.D.	223-13" x 18 1/2" I.D.	228-10 1/2" x 24 1/2" I.D.
203-32" x 16" I.D.	208-28" x 13" I.D.	213-19 1/2" x 19 1/2" I.D.	218-27 1/2" x 27 1/2" I.D.	224-14 1/2" x 18 1/2" I.D.	229-6 1/2" x 30 1/2" I.D.
204-27" x 18" I.D.	209-28 1/2" x 14 1/2" I.D.	214-23 1/2" x 23 1/2" I.D.	219-28 1/2" x 28 1/2" I.D.	225-6 1/2" x 36 1/2" I.D.	230-8" x 30 1/2" I.D.

Blocks

	THICKNESSES	1"	1 1/4"	2"	2 1/2"	3"	3 1/2"	4"		THICKNESSES	1"	1 1/4"	2"	2 1/2"	3"	3 1/2"	4"
Block Width 6"	Sq. Ft./Ctn. No. Pieces Av. Gross Wgt./lbs. Ctn. No.	54 38 77 102	36 24 71 102	27 18 71 102	21 14 71 102	18 12 71 102	15 10 71 102	13.5 9 71 102	Block Width 24"	Sq. Ft./Ctn. No. Pieces Av. Gross Wgt./lbs. Ctn. No.	72 12 87 227	48 8 87 227	36 6 87 227	24 4 87 227	18 3 87 227	16 3 87 227	14 3 87 227
Block Width 12"	Sq. Ft./Ctn. No. Pieces Av. Gross Wgt./lbs. Ctn. No.	54 18 71 102	36 12 71 102	27 9 71 102	21 7 71 102	18 5 71 102	15 4 71 102	13.5 3 71 102	Block Width 30"	Sq. Ft./Ctn. No. Pieces Av. Gross Wgt./lbs. Ctn. No.	45 8 57 229	30 4 57 229	22.5 3 57 229	15 2 57 229	13.5 2 57 229	12 2 57 229	10 2 57 229
Block Width 18"	Sq. Ft./Ctn. No. Pieces Av. Gross Wgt./lbs. Ctn. No.	54 12 66 102	36 8 66 102	27 5 66 102	22.5 4 66 223	18 3 66 102	15 2 66 102	13.5 1 66 102	Block Width 36"	Sq. Ft./Ctn. No. Pieces Av. Gross Wgt./lbs. Ctn. No.	54 6 87 225	36 4 87 225	27 3 87 225	18 2 87 225	15 2 87 225	13.5 2 87 225	12 2 87 225

Copper Tubing SECTIONS PER CARTON

	PIPE SIZE	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	3 1/2"	4"
Nom. 1" Th.	Sections per Ctn. Av. Gross Wgt. per Ctn. (lbs.) Ctn. Number	45 75 201	45 74 201	45 71 201	25 68 212	25 60 212	25 57 212	21 53 201	18 70 201	16 70 202	9 65 202

CURVED BLOCKS - SEGMENTS

1 1/2" thick 24 per carton 2 1/2" thick 14 per carton
2" thick 18 per carton 3" thick 12 per carton
All Segments are packaged in No. 102 Cans

Segmental Pipe Covering

NO. OF SEGMENTS PER SECTION

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"	38"	40"	42"	44"	46"	48"		
Nominal 1 1/2" Thick Actual O.D. of Covering	9 16"	8 17"	9 18"	10 19"	10 20"	11 21"	11 22"	12 23"	12 24"	13 25"	13 26"	14 27"	14 28"	15 29"	15 30"	16 31"	16 32"	17 33"	17 34"	18 35"	18 36"	19 37"	19 38"	20 39"	20 40"	21 41"	21 42"	22 43"	23 44"	24 45"	25 46"	26 47"	27 48"
Nominal 2" Thick Actual O.D. of Covering	9 17"	10 18"	10 19"	11 20"	11 21"	12 22"	12 23"	13 24"	13 25"	14 26"	14 27"	15 28"	15 29"	16 30"	16 31"	17 32"	17 33"	18 34"	18 35"	19 36"	19 37"	20 38"	20 39"	20 40"	21 41"	21 42"	22 43"	23 44"	24 45"	25 46"	26 47"	27 48"	28 49"
Nominal 2 1/2" Thick Actual O.D. of Covering	10 18"	10 19"	11 20"	11 21"	12 22"	12 23"	13 24"	13 25"	14 26"	14 27"	15 28"	15 29"	16 30"	16 31"	17 32"	17 33"	18 34"	18 35"	19 36"	19 37"	20 38"	20 39"	20 40"	21 41"	21 42"	22 43"	23 44"	24 45"	25 46"	26 47"	27 48"	28 49"	28 50"
Nominal 3" Thick Actual O.D. of Covering	10 19"	11 20"	11 21"	12 22"	12 23"	13 24"	13 25"	14 26"	14 27"	15 28"	15 29"	16 30"	16 31"	17 32"	17 33"	18 34"	18 35"	19 36"	19 37"	20 38"	20 39"	20 40"	21 41"	21 42"	22 43"	23 44"	24 45"	25 46"	26 47"	27 48"	28 49"	28 50"	29 51"

Calsilite Insulation meets ASTM Specification C-533-64T and Federal Specification HH-I-00523C for Block and Pipe Covering. Calsilite Pipe Covering meets Specification MIL-I-2781-D. Calsilite Block meets Specification MIL-I-2819D.

Ruberoid® T/NA 100® multi-purpose insulation jacketing
superior in appearance . . . superior wherever atmospheric conditions
present severe maintenance problems . . . no specialized installation

T/NA 100 is a truly unique insulation jacketing. It is fireproof, flexible, and offers unparalleled resistance to outdoor weathering. It is remarkably easy to apply and provides significant savings in installation costs. It never requires painting or weatherproofing.

T/NA 100 combines asbestos fiber an inorganic material of established durability and flame resistance, with Tedlar® a new PVF film of unique characteristics developed in the laboratories of Du Pont. The asbestos fiber is formed into a tough asbestos felt, using an elastomeric binder. "Tedlar" is permanently laminated to the asbestos felt with an elastomeric adhesive.

Features:

Tough and flexible over wide temperature range (-50° F to over 200° F).

Flame-resistant with flame spread rating of 25 by Underwriter's Laboratories.

Weather-resistant...will not craze, erode or corrode on exposure.

Chemical and solvent resistant, retaining form and strength even when boiled in strong acids and bases. Unaffected at ordinary temperatures by many classes of common solvent; impermeable to greases and oils; unaffected by soil bacteria.

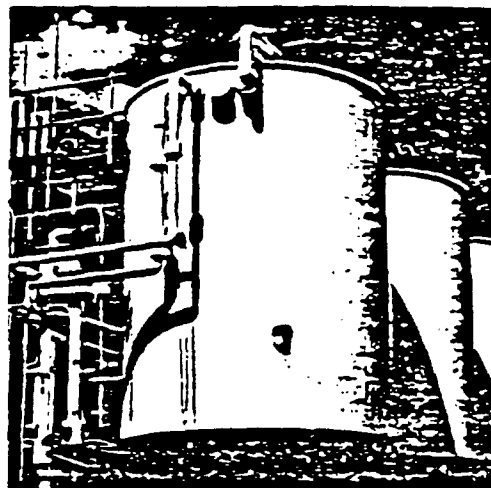
Designed for multi-purpose use over large areas as well as narrow-diameter pipelines.

Resistant to puncture and abrasion...designed to take wear and tear.

Easy to repair by patching with T/NA 100 Finishing Tape.

Bright white surface . . . attractive and highly reflective.

T/NA 100 Vapor Barrier® is also available having a moisture transmission, of 0.05 perms.



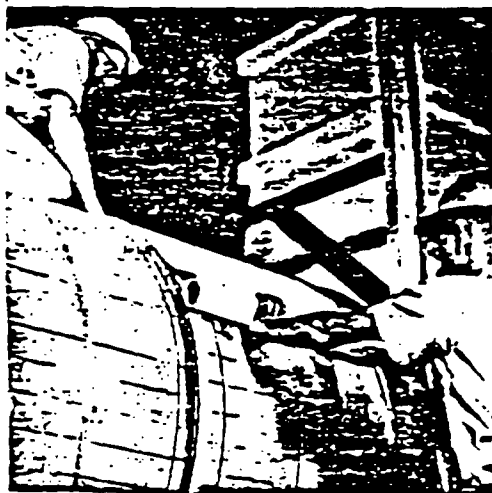
Material Specifications:

Width of Roll	35.5 in.
Length	166.7 lin. ft.
Area (Gross)	500.0 sq. ft.
Approx. Shipping Weight	60.0 lbs.

Note: Butt Strap Stock available in rolls, 4 inches wide x 166.7 lineal feet.

Substantial Savings in Installation

Flexible T/NA 100 wraps easily into position and may be secured with an ordinary staple gun. All joints are sealed with T/NA 100 Finishing Tape or recommended adhesives.



29990411061



Fiber Glass Pipe Insulation

for use on hot, cold and chilled water lines; brine, refrigerant and special process lines; dual temperature, steam and other hot lines to 370°F.

This lightweight pipe insulation is made of long, fine glass fibers bonded together with a thermosetting resin. Lightweight and one-piece construction with "spring-hinge" full length opening and automatic closing feature speeds on-the-job handling. Resiliency of glass fibers prevents breaking and crumbling of edges, saves waste, makes tighter joints, saves patching costs.

Jacketing* Information

Canvases: 4 oz., 6 oz., and 8 oz., in addition to standard canvases.

GP General Purpose: white bleached kraft laminated to aluminum foil. Recommended for 1/2" and 3/4" thicknesses in all pipe sizes.

Vapor Barriers

Dual Temperature:

WX White Vapor Barrier: three-ply with white bleached kraft; aluminum foil; and black asphalt-impregnated kraft.

FS Flame Bar fire-resistant jacket; U.L. flame-spread rating: 25. Three-ply: outer ply white bleached embossed kraft bonded to aluminum foil with flame-extinguishing adhesive, reinforced with fiber glass both directions.

Weather Resistant: three weights of roofing felt available—35 lb., 45 lb., 55 lb. and premium quality D.C. Flexstone. For 1" thick and over pipe insulation, for all pipe sizes.

*Factory applied.



Sizes

Available in three-foot sections, in standard wall thickness and sizes for iron pipe and copper tubing either bare or with factory-applied jackets.

Fiber Glass Insulation...fine fibered

for use wherever the greatest thermal and acoustical efficiency in the smallest space is required

This low density, resilient, blanket-type thermal and acoustical insulation is made of long, extremely fine, glass fibers, bonded with a thermosetting phenolic resin. The insulation will easily conform to curved surfaces and angles...resists breakdown and sagging from vibration and bumps...yields under impact without damage.

Facing Information

Available on all densities and thicknesses either with no tabs or with one or two 2-inch tabs

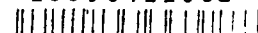
RKL LIGHTWEIGHT VAPOR BARRIER PAPER (Reinforced Kraft, Light): Two layers of 30-lb. Kraft paper, reinforced with fiber glass yarn scrim (1" x 1" spacing) in asphalt lamination.		
.001 AL	Aluminum Foil	High degree of heat reflection. Foil adds its own insulating value through its excellent radiant heat reflectivity. Incombustible.
.002 ALX	Aluminum Foil (Recommended as vapor barrier)	
FSK	Reinforced Foil and Paper (Foil, Scrim, Kraft): A layer of aluminum foil, reinforced with fiber glass yarn mesh and laminated to 40 lb. fire-resistant Kraft. Very strong. Foil adds to insulating value.	
APV	Vinyl Plastic	
WPV	Aluminum white or green pigmented.	
GPV	Effective vapor barrier. Provides attractive finish.	
PSKL	Foil Skin Kraft, lightweight plastic coating, black.	



Dimensional Limitations, Standard Product

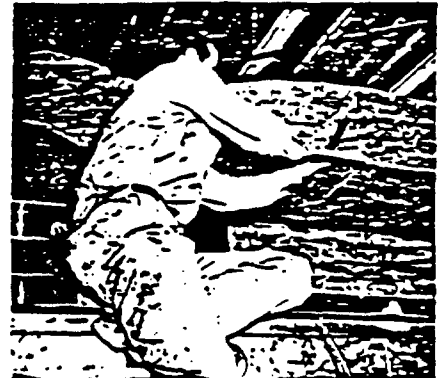
density	thickness	width	length
.8 & .75 lb.	1/2"	24", 36", 48", 72"	200'
	1", 1 1/2", 2"	24", 36", 48", 72"	100'
	3"	24", 36", 72"	50'
1.0 lb.	1/2"	24", 36", 48", 72"	200'
	1", 1 1/2"	24", 36", 48", 72"	100'
	2"	24", 36", 48", 72"	50'
1.5 lb.	1/2"	24", 36", 48", 72"	200'
	1"	24", 36", 48", 72"	100'
2.0 lb.	1/2"	24", 36", 48", 72"	100'
	1"	24", 36", 48", 72"	50'

29990411062



for insulating housings, plenum chambers, and air conditioning ducts in offices, factories, institutional and commercial buildings of all kinds

This insulation is faired from long, tough, super-springy siliceous fibers of unusual fineness. Extremely low in thermal conductivity, it has a temperature limit of 450°F. The fibers are non-absorptive, corrosion-resistant, moisture-resistant and incombustible. They have been treated to resist capillary action, will neither rot nor mildew.



Standard Sizes, Thicknesses and Available Facings

Type	Wt. per Cu. Ft., Lb.	Length	Width, inches	Thickness, inches	Facing
No. 411 (flexible)	3.00	48", 60"	30	1" to 5"	VS, FSK, APV
No. 411 (flexible)	3.00	25' (rolls)	30	1" to 2"	VS, FSK, APV
No. 412 (semi-rigid)	3.50	48", 60"	30	1" to 5"	VS, FSK, APV, AP
No. 413 (semi-rigid)	4.25	48", 60"	30	1" to 5"	VS, FSK, APV, AP
No. 414 (semi-rigid)	6.00	48", 60"	30	½", ¾" & 1" to 4"	VS, FSK, APV, AP
No. 415 (semi-rigid)	8.00	48", 60"	30	½", ¾" & 1" to 3"	VS, FSK, APV, AP
No. 416 (semi-rigid)	9.00	48", 60"	30	½", ¾" & 1" to 2"	VS, FSK, APV, AP

"In 1/2" increments.

Facing information

V3: Heavy asphalt-kraft paper. Applied with wrap around edge to 413, 414, 415 & 416. Applied with no edge wrapping to one surface of 411 and 412.

PSK: Foil scrim kraft, flame resistant.

APV: .004" aluminum pigmented vinyl film.

AP: Asbestos Survey.

Fiber Glass Insulation...textile fibered

for use as a duct liner and duct wrap, for refrigerated trucks and trailers, air conditioning and heating equipment

Facing Information

Available on all densities and thicknesses either with no tabs or with one or two J-lock tabs

RKL	LIGHTWEIGHT VAPOR BARRIER PAPER (Reinforced Kraft, Light): Two layers of 30-lb. Kraft paper, reinforced with fiber glass yarn scrim (1" x 1" spacing) in asphalt lamination.	
.001 AL .002 ALX	Aluminum Foil Aluminum Foil (Recommended as vapor barrier)	} High degree of heat reflection. Foil adds its own insulating value through its excellent radiant heat reflectivity. Incumbustible.
FSK	Reinforced Foil and Paper (Foil, Scrim, Kraft): A layer of aluminum foil, reinforced with fiber glass yarn mesh and laminated to 40 lb. fire-resistant Kraft. Very strong. Foil adds to insulating value.	
APV	Vinyl Plastic	
WPV	Aluminum white or green pigmented.	
GPV	Effective vapor barrier. Provides attractive finish.	
PSKL	Foil Side Kraft, lightweight plastic coating, black.	

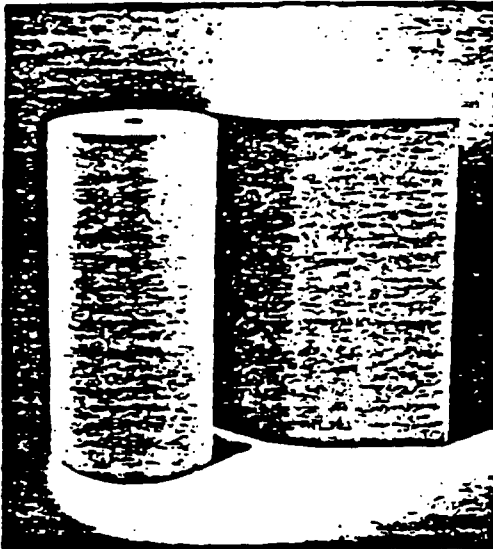


Dimensional Limitations, Standard Product

density	thickness	width	length
.8, .75 &	1", 1½"	24", 36", 48"	100'
1.0 lb.	2", 3"	24", 36", 48"	50'
1.5 lb.	½"	24", 36", 48"	100'
	1", 1½", 2"	24", 36", 48"	50'
	½"	24", 36", 48"	100'
2.0 lb.	1", 1½"	24", 36", 48"	50'
	½"	24", 36", 48"	100'
3.0 lb.	1"	24", 36", 48"	50'

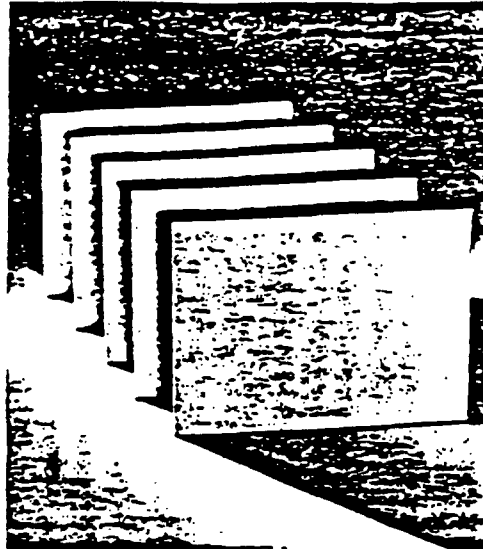
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Other GAF Insulation Products



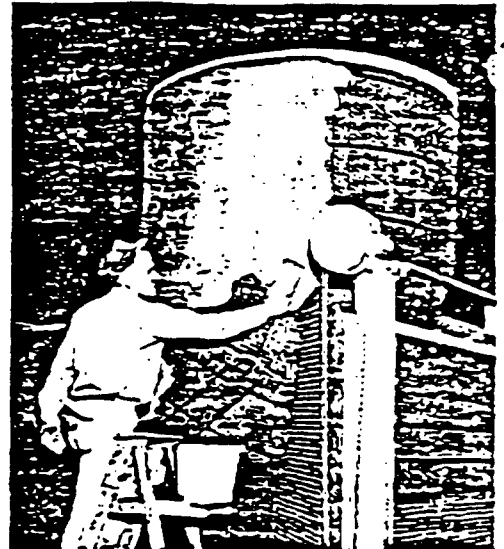
Commercial Asbestos Paper

As a fire retardant with all the properties of a thin, pliable paper, RUBEROID® Asbestos Paper has a multiplicity of uses in residential and general building work and in industrial applications. It can be used to wrap furnace pipes, air-conditioning ducts, furnaces, jackets and for the protection of wood partitions exposed to heat. This product is ideal for any application where paper is desired and a degree of fire proofing is required.



Asbestos Millboard

Asbestos Millboard is designed to be used wherever a lightweight, inexpensive fireproofing material is required. It is employed widely in insulating ovens and ranges and for lining grates, ceilings and walls. Its many residential and industrial uses are apparent when it is considered that the product is fire retardant, vermin proof and can be used as protection against acid fumes.



Insulation Cements

GAF offers a cement for every temperature problem...for both insulating and finishing.

Product	Temp. Range
Grade 313 Mineral Wool Cement	2100°F
Grade 412 Single Coat Cement	1250°F
Grade 214 Asbestos Cement	1000°F
Grade 115 Asbestos Cement	1000°F

Asbestos Rollboard

Asbestos Rollboard is basically the same product as RUBEROID® Asbestos Paper, except that it is made in thicknesses of $\frac{1}{8}$ " and $\frac{1}{4}$ ". It is used for general fire proofing, and heat resisting purposes. It will withstand temperatures up to 350°F.

Asbestos Furnace Tape

RUBEROID® Asbestos Paper in tape widths has been cut in convenient size small rolls, making it easy to handle in the furnace industry. This tape can be used for sealing joints in the application of cellular insulation on furnaces and pipes and air conditioning ducts.

Asbestos Electrolytic Paper

This special long fiber asbestos paper is specifically manufactured for chlorine manufacturers using electrolytic cell process. It is available only upon special order.



GAF Corporation
Industrial Products Division

140 West 51 Street
New York, N.Y. 10020
Tel: (212) 582-7600

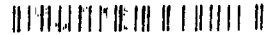
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gaf Asbestos
paper and millboard products

Fire resistant/Water resistant/Acid resistant

29990411065



As a fire retardant with all the properties of a thin, pliable paper, GAF Asbestos Paper has a multiplicity of uses in residential and general building work and in industrial applications. It can be used to wrap furnace pipes, air-conditioning ducts, furnaces, jackets and for the protection of wood partitions exposed to heat. This product is ideal for any application where paper is desired and a degree of fireproofing is required.

It has a minimum of organic materials mixed with pure asbestos fibers to provide added strength to the sheet. Length of fibers and their orientation assures the physical characteristics that contribute to the quality desired in an asbestos paper regardless of the thickness that may be selected for general commercial uses. Special grades of asbestos paper can be supplied which will withstand higher temperatures.

Specifications		
Approximate Thickness	Approximate Weight per 100 Sq. Ft.	Average Sq. Ft. per 100 lbs.
.015"	6 lbs.	1660
.019"	8 lbs.	1250
.022"	10 lbs.	1000
.027"	12 lbs.	830
.029"	14 lbs.	710
.032"	16 lbs.	625
1/16" (.0625")	30 lbs.	330

(Actual weight of Asbestos Paper may vary = 10%)
 Available in standard rolls of 25, 50, and 100 lbs., either 18", 24" or 36" wide. Special widths available on request.

Asbestos Rollboard is basically the same product as the Asbestos Páper, except that it is made in thicknesses of 1/8" and 3/32". Used for general

fire-proofing and heat resisting purposes, it will withstand temperatures up to 350° F.

Specifications		
Approximate Thickness	Approximate Weight per 100 Sq. Ft.	Average Sq. Ft. per 100 lbs.
3/32"	50 lbs.	200
1/8"	70 lbs.	145

(Actual thickness Asbestos Rollboard may vary $\pm .02$ ")

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GAF Asbestos Millboard

GAF® Asbestos Millboard is made of selected asbestos fiber combined with suitable binding materials to produce a densely compressed sheet of uniform size and thickness. To prevent warping, the sheet is carefully cured and dried. It can be obtained in several different styles with either a smooth or a pin-pointed, embossed finish.

Asbestos Millboard is designed to be used wherever a light-weight, inexpensive fireproofing material is required. It is employed widely in insulating ovens and ranges and for lining grates, ceilings and walls. Its many residential and industrial uses are apparent when it is considered that the product is fire retardant, vermin proof

and can be used as protection against acid fumes.

GAF® Millboard is of the "smokeless" type. Under heat it will not give off offensive, pungent gases or odors and while it may discolor slightly at higher temperatures, its strength is not materially impaired. It can safely be used with temperatures as high as 1000° F.

The soft, medium and hard grades are made to cover the wide uses to which millboard is put. While medium grade is standard and is furnished unless otherwise requested, soft quality satisfies the requirements when some flexibility is required. The hard quality is stiff and brittle. It is used when rigidity is a requirement.

Types Available

Standard Finish		Embossed Finish	
No. 100—soft	No. 102—extra hard	No. 200—soft	No. 202—extra hard
No. 101—medium		No. 201—medium	No. 211—special gasket stock

Note:—All orders should definitely specify type of finish and grade desired.

Specifications

Thickness	Average Weight per Sheet	Average Weight per Sq. Ft.	Number Sheets per Case	Number Sheets per Carton
1/16"	4.3 lbs.	.31 lbs.	80	24
1/8"	8.5 lbs.	.61 lbs.	40	12
3/16"	12.5 lbs.	.89 lbs.	28	8
1/4"	15.5 lbs.	1.10 lbs.	20	6
5/16"	19.3 lbs.	1.38 lbs.	16	5
3/8"	22.1 lbs.	1.58 lbs.	13	4
1/2"	29.1 lbs.	2.08 lbs.	10	3

Asbestos Millboard is furnished in one standard size, 42" x 48", but is suitable for cutting to any

size desired. Other sizes available upon request.

(Actual weight of Millboard may vary ± 10%)

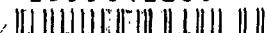
Dimensions of carton 48 1/2" x 42 1/2" x 1 1/2"; dimensions of crate 48 1/2" x 42 1/2" x 5 1/2"

GAF Asbestos Electrolytic Paper

This special long fiber asbestos paper is specifically manufactured for chlorine manufacturers

using electrolytic cell process. It is available only upon special order.

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