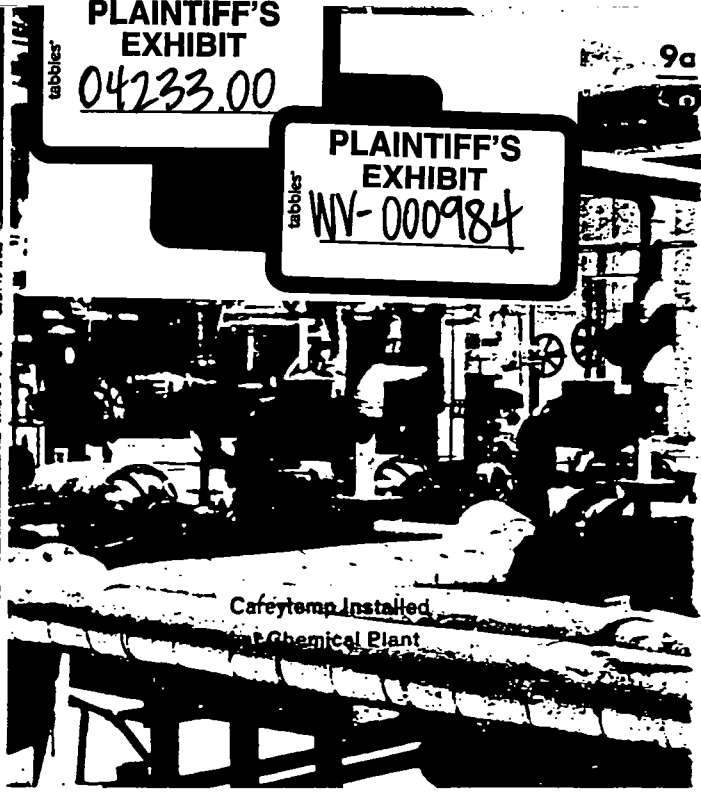
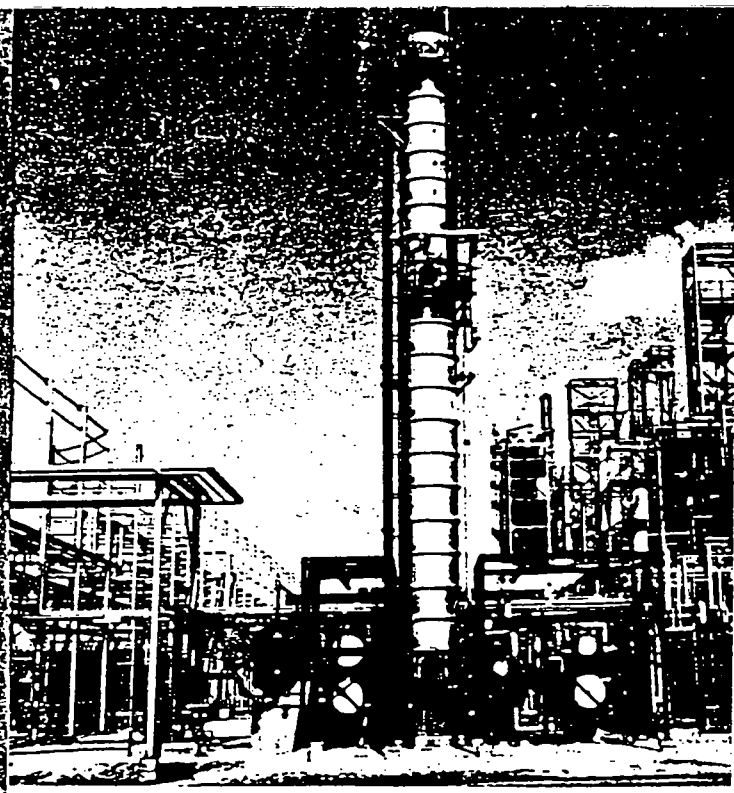


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PHILIP Carey INSULATION

the complete line of industrial insulations for every temperature range . . . from sub-zero to 2000° F.

Insulation selection guide

surface	uses	product	page
High Temperature Equipment (up to 2000° F.)	For furnaces, ovens, kilns, lehrs, breechings, etc. Block or pipe form.	Careytemp 2000	4
		Carey Mineral Wool Block	5
Superheated Surfaces (up to 1600° F.)	For superheated steam and hot oil lines, oil stills, ovens, boiler breechings, etc. Pipe covering, curved or flat block form.	Careytemp	2-3
		Mineral Wool Blankets	5
(up to 1200° F.)	For ovens, ducts, flues, tanks, etc., requiring large, flexible sheets.	Mineral Wool Blankets	5
Medium and High Pressure Steam Surfaces (200° F. to 600° F.) (200° F. to 700° F.)	For pipes and other steam surfaces. Temperatures to 600° F. Pipe covering, flat or curved blocks.	Careytemp	2
		TCF Mineral Wool Insulation	5
Low and Medium Pressure Steam (100° F. to 350° F.)	For pipes and other steam surfaces. Temperatures to 350° F.	Thermoglas	4
		Thermoglas	4
Low and Medium Pressure Steam (100° F. to 350° F.)	For pipes, boilers, ovens, etc. Unusually low conductivity, resilient, negligible shrinkage. Pipe covering and blankets.	Thermoglas	4
Hot and Cold Pipes (35° F. to 350° F.)	For pipes carrying hot, cold or alternating liquids.	Dual Careytemp	3

SA-2900

surface	uses	product	page
Cold Water Pipes	For ice water and cold water pipes to keep water cold and prevent sweating. Pipe covering sections.	Thermoglas (with vapor barrier jacket)	4
		Spun Mineral Wool Insulation	5
Air-Conditioning Ducts and Equipment	Insulation for metal duct work, and air-conditioning equipment. Acoustical and thermal insulation of fine glass fiber.	Thermoglas Board	4

Cement selection guide

uses	product	page
Pointing up insulation. Pipe and block.	No. 303 No. 100	6
	Careytemp Asbestos Cement and MW-One only on Careytemp Insulation.	6
Insulating small fittings.	No. 303 applied directly on fitting.	6
Insulating medium and large fittings.	MW-50 or MW-One. For a smooth final coat apply No. 100.	6
Refractory coating and patching.	Carey Vitricel Cement	6
Finishing over molded insulations.	No. 100 for hard "plastic line" finish. No. 303 or LF-20 for reasonably hard finish.	6
Bonding insulation to metal surface.	Carey Fibrous Adhesive	6
Boilers, tanks and stills.	For a smooth outer finish use 7M (Mine Asbestos Shorts).	6
Waterproofing.	When insulation surface is to be weatherproofed, use ¼" wet coat of Thermotex "B".	7

SEE SA-2900

MADE IN U.S.A.
C.S.I. DIV. 15

CAREYTEMP PIPE AND BLOCK INSULATION

PHILIP
Carey

CAREYTEMP PIPE AND BLOCK INSULATION

For temperatures up to 1600°F.

Careytemp was designed and formulated to include the most important thermal, physical, chemical and moisture resistant properties demanded by industrial users of thermal insulation.

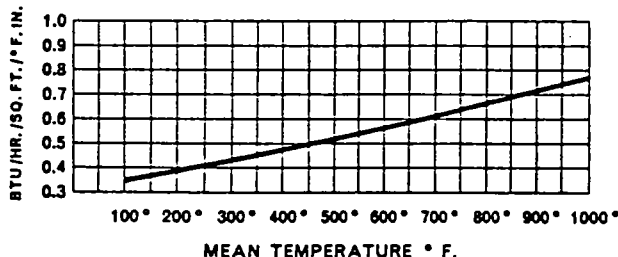
Careytemp is composed of expanded Silica with specially developed binders and is reinforced with inorganic fibers. Expanded Silica insulation is a structure consisting of millions of individual glassed-in vitrified air cells permanently bonded together to resist water penetration.

Careytemp is recommended for the insulation of piping, vessels and equipment operating from ambient to 1600° F. in temperature, either continuous or cyclic operation. It is also recommended for fire protection of piping, equipment, vessel and structural steel. Its moisture resistance is particularly advantageous for these applications which normally operate at ambient temperature.

Careytemp's exceptional strength and light weight reduce application costs. Non-crumbling, precision-molded Careytemp is superior in those properties most responsible for longer-lasting, more efficient insulation—it has practically no linear shrinkage, exceptional water resistance (lowest absorption rate of any high temperature insulation), low thermal conductivity up to 1600° F. and is highly acid-resistant.

PHYSICAL PROPERTIES

Thermal Conductivity



Careytemp's thermal conductivity is low for a material of such widespread temperature range. This means that it is now possible to obtain highly efficient heat conservation over a wide range of temperatures *with a single material*—Careytemp.

Temperature Limits:	Maximum	1600° F.
	Continuous	1600° F.
	Cyclic	1600° F.

Density (dry) 10 lbs./cu. ft.

Compressive Strength 5% deformation 81 psi

Linear Shrinkage

a. 500° F. for 24 hours	.22
b. 1000° F. for 24 hours	.45
c. 1500° F. for 24 hours	1.20

Moisture Absorption by Volume @ 90% Relative Humidity

a. 24 Hours	0.45
b. 1 Week	0.90
c. 4 Weeks	1.30

Water Absorption by Volume

a. 2 Hours Immersion	.80
b. 24 Hours Immersion	2.70
c. 72 Hours Immersion	5.00

Acid Resistance After 24 Hour Immersion

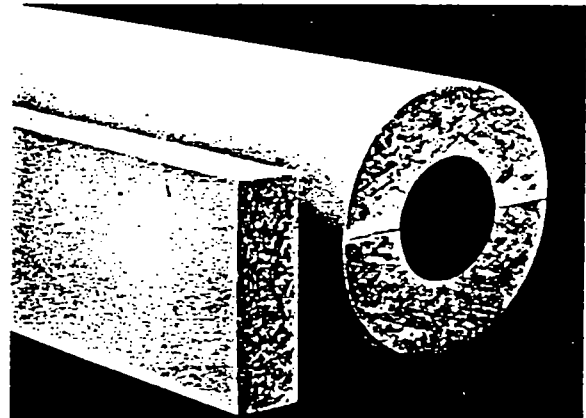
a. 25% Sulfuric Acid	No Effect
b. 25% Hydrochloric	No Effect
c. 25% Aqua Regia	No Effect

Thermal Conductivity

300° F. Mean	.42
500° F. Mean	.51
1000° F. Mean	.77

Conductivity expressed as BTU/HR./SQ. FT./°F./1" Thickness.

*All tests were conducted according to standard test methods.



Copper Tubing— $\frac{1}{2}$ " O.D. through $3\frac{1}{2}$ " O.D., half sections
Iron Pipe— $\frac{1}{4}$ " through 24" IPS, half sections ~
Thickness—1" through 3", single layer
Segmental—12 $\frac{3}{4}$ " wide curved sections, through 60" O.D.

Block Insulation

Standard Widths—6", 12" and 24"

Standard Lengths—18" and 36"

Standard Thickness—1" through 6" in $\frac{1}{2}$ " increments

GOVERNMENT SPECIFICATION COMPLIANCE

Pipe Covering MIL-I-2781d

Grade I - Class b

Grade II - Class d

Grade III - Class e, Type I & II

Block MIL-I-2819d

Class I, II & III



**CAREYTEMP PREMOLDED ELBOW.
ALUMINUM JACKETED AND
TRACED PIPE INSULATION**

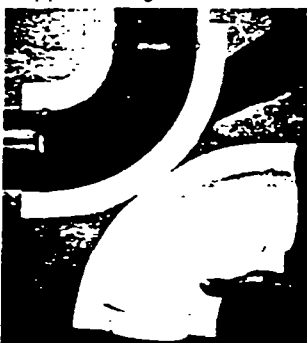
**DUAL CAREYTEMP
PIPE INSULATION**

9a
Ca

**CAREYTEMP PREMOLDED
ELBOW INSULATION**

Careytemp Premolded Elbows insure total Careytemp insulating efficiency throughout entire systems when specified and used with Careytemp pipe insulation. They are recommended for use on piping systems operating from atmospheric temperature to 1600°F. Easily applied, Careytemp Premolded Elbows eliminate mitering segments, voids and also cut application costs.

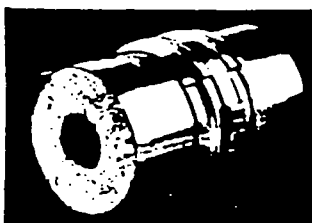
Careytemp Elbows are available in many iron pipe and copper tubing sizes and in thicknesses to match other ad-



jacent insulations, including low pressure coverings, fibrous glass, calcium silicates, 85% magnesia and others. Both 45° and 90° long and short radius ells are available for welded, screwed and sweat elbows. Iron pipe sizes range from ½" to 14", 1" to 4" thick. Careytemp ells are furnished for steam tracing purposes.

**ALUMINUM JACKETED
CAREYTEMP**

Careytemp pipe insulation is now available pre-jacketed at the factory with aluminum .016" thick. Aluminum jacketed Careytemp has a fine embossed finish that will not catch dust and dirt, prevents glare and minimizes surface scratches. Along the longitudinal seam, special interlocking lips snap together to form a weather-tight seal. Butt joints are sealed with a matching aluminum band having an integral sealing compound which resists direct contact temperatures to 400° F. A built-in vapor barrier is between the jacketing and the insulation avoiding electrolytic corrosion of the aluminum.



The inherent water resistance of Careytemp combined with the weather seal seam and special sealing band of aluminum jacketing provide an unequalled weather protected insulation.

Also available in .010 stainless steel factory applied jacket.

**CAREYTEMP TRACED
PIPE INSULATION**

Careytemp Traced Pipe Insulation is available to reduce the cost of insulating traced lines. Straight extended legs beyond the 180° point on half sectional. Covering provides space for ½" and ¾" I.P.S. Tracers.

Available sizes and thicknesses 3", 4" and 6" I.P.S. by 1", 1½" and 2" thick and 8", 10" and 12" I.P.S. by 1½" and 2" thick all having 1¼" legs.



**DUAL CAREYTEMP
PIPE INSULATION**

For temperatures from 35° F. to 350° F.

Dual Careytemp is a new and unique type of rigid insulation for piping systems carrying hot, cold or alternating hot and cold liquids. It is composed of expanded silica, inorganic fibers and special water resistant binders, together with a factory applied fire resistant vapor barrier jacketing. Dual Careytemp represents a new concept in fire resistant low temperature pipe insulation.

PHYSICAL PROPERTIES

Density	10 lbs. per cubic foot
Transverse Strength	80 lbs./sq. in.
Compressive Strength	100 lbs. @ 5% deformation
Moisture Absorption	.57% by volume—24 hrs. @ 90° F.—R.H. 80%
Service Temperature Range	35° F. - 350° F.
Vapor Permeance Rating Jkt.	.02 perms
Thermal Conductivity	BTU/Hr./Sq. Ft./°F./Inch
@ 50° H.T.	.31
@ 100° H.T.	.35
@ 150° H.T.	.37
@ 200° H.T.	.42

HUMIDITY TEST RESULTS

A section of 1½" thick Dual Careytemp with a 2" long knife cut in the fire-resistant vapor barrier jacket, installed on a 2" pipe circulating 50°F. water, showed a moisture pick-up of 2.85% after six weeks exposure to conditions of 105°F. and 95% R.H. Under similar conditions, fibrous glass showed a moisture pick-up of 38.6% and calcium silicate 221.0%.

TABLE OF THICKNESS

Domestic and Commercial Cold Water, Hot Water, L.P. Steam Lines 50° - 250°

I.P.S. ½" thru 6"	1" thick
I.P.S. 6" thru 12"	1½" thick

Dual Temperature 35° F. to 350° F. @ Ambient Air 90° F. and 80% R.H.

I.P.S. ½" thru 4"	1" thick
I.P.S. 5" thru 12"	1½" thick

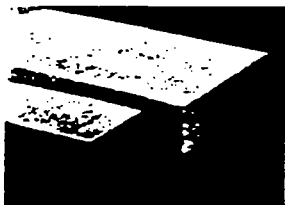
CAREYTEMP 2000 BLOCK INSULATION

THERMOGLAS PIPE, ROLL FORM, AND BOARD INSULATION

CAREYTEMP 2000 BLOCK INSULATION

For temperatures from 1000°F. to 2000°F.

Careytemp 2000 is composed of calcined diatomaceous silica with a specially developed binder reinforced with inorganic fibre. It is produced in precision molded insulation blocks for equipment operating at high temperatures such as boiler furnaces, hot blast stoves, petroleum cracking furnaces, metallurgical furnaces and ceramic kilns. These light weight blocks will withstand temperatures up to 2000°F with negligible shrinkage.



PHYSICAL PROPERTIES

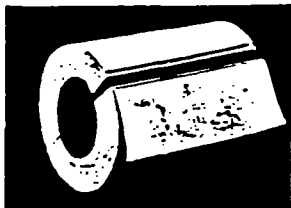
Density	24 lbs./cu. ft.
Thermal Conductivity	BTU/Hr./Sq. Ft./°F./inch
500°F. Mean	.70
750°F. Mean	.76
1000°F. Mean	.84
Linear Shrinkage	
a. 1500°F. for 24 hours	0.5%
b. 1800°F. for 24 hours	2.3%
c. 1900°F. for 24 hours	2.7%
d. 2000°F. for 24 hours	2.9%
Compressive Strength	5% deformation 163 psi 10% deformation 209 psi
Transverse Modulus	
Dried at 220°F. for 24 hours	100 psi
Moisture Absorption by Volume @ 95% Relative Humidity	
24 Hours	1.6%
Water Absorption by Volume	
24 Hours Immersion	20.0%

THERMOGLAS PIPE INSULATION

Thermoglas is a one-piece, snap-on, fine fiber glass pipe insulation for temperatures up to 350° F. It is an exceptionally lightweight insulation composed of long, fine, blown glass fibers bonded with thermal-setting phenolic resin. It is strong, semi-rigid and resilient with no coarse fibers to irritate hands or skin.

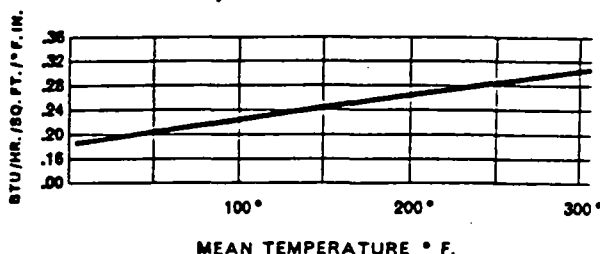
Carey Thermoglas will not sag, rot, mold, or otherwise decompose. Resists attack of most acids and alkalis and is not corrosive to metals. Will not chip, flake, dent, break or crumble and is unaffected by water and insects—has very low moisture vapor pickup.

Thermoglas pipe insulation is recommended for hot water and low-temperature steam piping in industrial plants, commercial buildings and institutions. Thermoglas can be used as an outside layer over a high-temperature insulation. It is also an excellent cold and dual-temperature insulation when used with a vapor barrier jacket. Thermoglas pipe insulation comes plain or in a variety of vapor barrier and weatherproofing jacketings.



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Thermal Conductivity:



THERMOGLAS ROLL FORM INSULATION TYPE F

Thermoglas F Roll Form is an extremely fine glass fiber insulation for thermal and acoustical application—for service from sub-zero to 450° F. It is made in a variety of thicknesses, densities and roll widths to suit almost any insulation requirement. It can be furnished cut to special widths or shapes depending upon quantity uses. It is available plain or faced with a variety of facing materials adhered to the insulation.

Thermoglas Roll Form is extremely lightweight, easy and pleasant to handle. It's flexible and resilient, runs quickly around curves and corners without special fitting. Can be cut to desired shape and size with an ordinary knife and can be firmly fastened in place with adhesives, wires, metal screws or washers. Furnished in minimum roll width of 6", maximum roll width 72". Standard stock widths are 24", 36", 48" and 72".

THERMOGLAS ROLL FORM INSULATION TYPE TX

Thermoglas TX is made from long, continuous, textile-type glass fibers . . . the same as used in plastic reinforcing. These fibers are drawn from stabilized Calcium Borosilicate glass to an average diameter of 9 microns. They are chopped (2" to 4" long) and firmly bonded in random orientation with a Thermo-Setting Phenolic Resin. Thermoglas TX strength, resiliency, and ability to retain full thickness from repeated compression are unequalled by other insulating materials. It is easily cut for installation.

Thermoglas TX is available plain or faced with a variety of facing materials adhered to the insulation. Thermoglas Roll Form is very light weight with excellent thermal properties. It affords a low cost insulation for both thermal and acoustical conditions.

THERMOGLAS INSULATION BOARD

Thermoglas Insulation Board is an improved semi-rigid glass fiber duct insulation for temperatures up to 250° F. It is composed of fine glass fibers bonded together with a phenolic resin binder. Available plain, with factory applied vapor barrier facings, or spray coated on one or two sides, with a fire-resistant neoprene compound meeting NBFU requirements.

Thermoglas Insulation Board is easily cut, quickly handled—produces neat rectangular corners—no scoring necessary. With a vapor barrier facing, it is ideal for cooling, ventilating or dual temperature ductwork. Furnished in 24" x 48" sheets, in thicknesses of 1/2", 3/4", 1", 1 1/2" and 2".

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THERMOGLAS HV DUCT LINER

Thermoglas HV Duct Liner is a distinctive, one piece fiber glass duct liner with graduated density, produced from an exclusive process, that provides all of the desirable features of a multi-density duct liner without the disadvantages of a laminate-type construction. There are no layers that can peel off under high velocities (up to 10,000 FPM) and no special surface treatment required as there is negligible friction loss and no erosion.

Will withstand temperatures as high as 425° F.; it will not burn, rot, mold, pick-up odors, corrode metals or disintegrate under vibration.

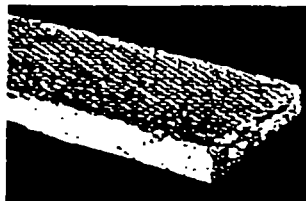
Flame spread classification less than 25.

Available: ½", 1", 1½" and 2" thick and in any width from 24" through 48".

INDUSTRIAL MINERAL WOOL BLANKET

Rock Wool Blanket is a highly flexible industrial insulation for temperatures up to 1200° F. It is made from felted, high-temperature, moisture-resistant spun mineral wool secured between various metal fabrics, providing a highly flexible insulation. It does not damage easily in handling and can be readily cut and fitted around projections and irregular shapes.

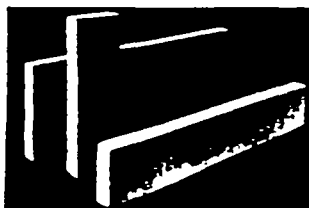
Rock Wool Blankets are recommended for insulating boiler breechings, hot air ducts, industrial ovens, dryers, precipitators and similar heated equipment, especially those having irregular surfaces. Special mesh or metal facings to meet other specifications can be furnished. Standard sizes: 2' x 4' and 2' x 8'. Standard thicknesses: 1", 1½", 2", 2½", 3", 3½", 4", 5" and 6". Thermal conductivity: At 100° F.—.224. At 600° F.—.567.



MINERAL WOOL BLOCK INSULATION

Carey Mineral Wool Block is made primarily of high temperature mineral wool with a new process using varying pressures and vacuums. It will withstand a full range of temperatures up to 1900° F.

Carey Mineral Wool Block can be cut with a knife to fit irregular surfaces, yet it is strong enough to hold up under normal handling and usage. Its lightweight and single layer construction lowers application costs and increases efficiency. Carey Mineral Wool Block does not disintegrate or lose its efficiency under service for which it is recommended. It resists attacks of steam or moisture. Available in lengths of 18" and 36", widths of 6" and 12" and thicknesses of 1" to 4" in ½" increments. Also available in 5" thickness. Thermal conductivity: At 600° F.—.47. At 1000° F.—.63.



THERMOGLAS HV DUCT LINER

INDUSTRIAL MINERAL
WOOL BLANKET
MINERAL WOOL BLOCK
SPUN MINERAL WOOL
FLEXIBLE TUBING
7CF MINERAL WOOL

SPUN MINERAL WOOL FELT INSULATION

Carey Felt Insulation is made in semi-rigid sheets, processed from long, fine fibers of spun mineral wool. Light in weight, with density from 3 thru 8 lbs. per cubic foot, this insulation is easily handled and quickly installed. It provides a high degree of thermal efficiency and will not absorb moisture. It is recommended for temperatures up to 450° F.

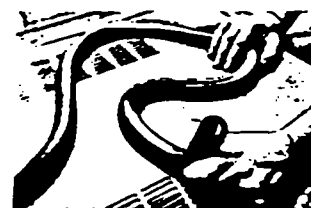
Carey Mineral Wool Felt Insulation is inorganic in composition and does not cause corrosion of metal duct surfaces. It's easy to cut with a knife to conform to irregular surfaces.

Furnished in sizes: widths 12", 15", 20" and 30"; lengths 30" to 60". Thickness 1" thru 4"—½" increments.

FLEXIBLE TUBING INSULATION

Flexible Tubing is a closed cell flexible insulation for insulating copper tubing up to 200° F. Made of Hycar man-made rubber (an extremely oil-resistant material), Flexible Tubing was developed to overcome the loss in efficiency which can occur with an open cell (sponge rubber) tubing.

Carey Flexible Tubing can be bent, twisted and formed. Yet it is so resilient that it springs back to its original shape when put in place. It is recommended for insulation of dual temperature lines carrying hot or chilled water from a central system to air conditioning units. Many of these lines are formed copper tubing and are difficult to insulate, even with semi-rigid materials. Available in sizes from ¼" through 3½" I.D. Thermal conductivity: At 70° F.—.25. At 110° F.—.26.



This material is also available in flexible sheet form in 24" x 60" size, with thicknesses from ¼" through ¾" in ½" increments. Thermal conductivity: At 75° F.—.28.

7CF MINERAL WOOL INSULATION

7CF Mineral Wool Insulation is a versatile insulation that can be readily applied to a wide range of surfaces. 7CF is composed of long, fine mineral fibers bonded together with a non-punking binder. Recommended for insulating surfaces up to 700° F. An ideal insulation for insulating boiler walls, hot gas ducts, hot process tanks and equipment.

Thermal Conductivity

100° F. Mean.....	.242
400° F. Mean.....	.484

Density 8 lbs. per cu. ft.

Dimensions

Width	Length	Thickness
30"	24", 48" and 60"	1" thru 4"
		in ½" increments

CEMENTS AND ADHESIVES

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MW-ONE INSULATING CEMENT

MW-One is a combination insulating and finishing cement for temperatures up to 1000° F. Carey mineral wool pellets and other ingredients (including rust inhibitor) are combined to form this monolithic, all-purpose, fast-setting finish cement that insulates as well as protects.

MW-One is applied quickly and easily in a single coat. It has a tough, smooth white surface and has negligible shrinkage (max. 1%). MW-One sets in two to three hours. It is rust inhibitive, non-combustible and water resistant.

MW-One is used for valves, fittings, tanks, ovens, hot air ducts. It can be applied directly over any insulation or it can be used as a finishing cement for Carey MW-50. MW-One is packaged 50 lbs. per multi-wall Kraft bag. Thermal conductivity: At 100° F.—.54.

MW-50 INSULATING CEMENT

MW-50 Cement is a complete insulating material in itself. Special MW-50 nodular mineral fibers are combined with bonding materials, asbestos fiber and a rust inhibitor to produce a mixture with excellent physical and thermal properties.

MW-50 has more than double the insulation value of ordinary asbestos cements. It adheres to both warm and cold surfaces, has negligible shrinkage. A 50 lb. bag of MW-50 Cement covers approx. 25 sq. ft. one inch thick and insulates as well as a two or three-inch coat of ordinary asbestos cement.

MW-50 Cement is an excellent monolithic insulation for valves, fittings, expansion joints, heaters, exchangers, access doors, water tube boiler walls, tanks, stills, drum-heads and other heated equipment operating at temperatures up to 1800° F. It is particularly recommended for irregular surfaces. Furnished in 50-lb. multi-wall Kraft bags. Thermal conductivity: At 100° F.—.41.

7M-90 ASBESTOS SHORT INSULATION CEMENT

Recommended as a finish over preformed insulations such as Calcium Silicate and 85% Magnesia for temperatures up to 1000° F. Furnished in 100-lb. and 50-lb. bags.

LF-20 ASBESTOS CEMENT (Long Fiber)

Composed of long asbestos fibers and bonding clays. It is a medium hard finish cement for final surfacing of insulation where expansion strains are severe, such as over boiler water walls. This cement trowels to a smooth white finish. Furnished in 50-lb. paper bags and 100-lb. burlap bags.

NO. 100 ASBESTOS CEMENT (Hard Finish)

Composed of asbestos fibers and bonding clays, No. 100 Cement is specifically designed to give a hard, smooth white surface over block work or other insulation. This cement has very low shrinkage. Furnished in 50-lb. paper bags and 100-lb. burlap bags.

NO. 303 ASBESTOS CEMENT (General Utility)

Composed of asbestos fibers and bonding clays, No. 303 Cement is a general utility cement for finishing and pointing up fittings. It sticks to all surfaces and finishes medium hard. Furnished in 50-lb. paper bags and 100-lb. burlap bags.

CAREYTEMP ASBESTOS CEMENT

Due to the high resistance of Careytemp insulation to moisture, ordinary asbestos cements are not recommended. Careytemp Asbestos Cement has been developed for use where an asbestos cement is required over Careytemp. It dries to a smooth, hard white surface, will take an initial set in two to three hours and reach a satisfactory condition of dryness in 24 hours. Furnished in multi-wall 50-lb. paper bags.

FIBROUS ADHESIVE (Bonding)

Fibrous Adhesive is a fibrous plastic cement of thin troweling or brushing consistency, composed of asbestos fibers, silicate of soda and filler materials. It is designed for laying up insulating blocks and making fittings. It makes a very strong heat-proof bond that is unaffected by temperatures up to 800° F. Furnished in 1-gal., 5-gal. pails and 55-gal. barrels.

CAREYTEMP ADHESIVE (Bonding)

A special composition of asbestos fibers, silicate of soda and additives to provide a satisfactory adhesive which must be used with highly moisture-resistant Careytemp insulation. Careytemp Adhesive is similar to Fibrous Adhesive in consistency, application procedures, coverage and temperature limitations. It can also be used with other types of insulations. Furnished in 1-gal. cans or 5-gal. pails.

VITRICEL CEMENT (Refractory Finishing)

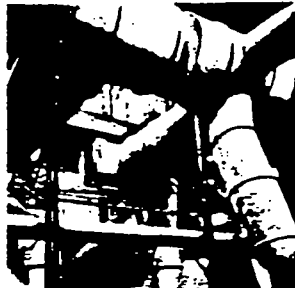
Composed of asbestos fibers and bonding materials, Vitricel Cement is a dry, semi-refractory hydraulic cement for temperatures up to 1900° F. It's used for pointing up joints and cracks in stack and breeching linings, covering metal parts exposed to hot corrosive gases and surfacing block insulation installed inside breechings, ducts, economizers. Vitricel Cement resists moisture and has a very low drying and heat shrinkage. Furnished in 50-lb. paper bags.

THERMOTEX-B

Thermotex-B is a breathing-type weather-resistant coating for temperatures up to 200° F. It is a combination of asbestos fibers, emulsified asphalt and mineral stabilizers. Forms a cold plastic water-resistant coating which is applied by trowel in one or more coats.

Thermotex-B is recommended as a durable coating for insulation on hot equipment, ducts, vessels, breechings, tanks, towers, heat exchangers and fittings that are subjected to weather conditions. It is especially suited for oil and chemical plant use because it resists acid and alkaline conditions and can be installed over insulation that is not completely dry. Thermotex-B is a breathing-type coating. After application over moist insulation, Thermotex-B allows the trapped water vapor to escape, while remaining impervious to surface water. Furnished in 45-lb. pails, 270-lb. drums and 470-lb. drums.

Head of vacuum distillation unit has Thermotex-B applied over insulation.



NO. 51 EMULSION

No. 51 Emulsion is composed of asphalt, water and bentonite clay, with troweling consistency. May be used as a prime and bond coat for insulation and cold storage vault and other low temperature insulated construction, as well as for temperatures up to 200° F.

Mixes well with Asbestos Fibre and sand to make "on-the-job" finished coats. Furnished in 55-gal. drums and 5-gal. pails.

NO. 228 FIBRATED EMULSION

No. 228 Fibrated Emulsion is an odorless composition of bentonite clay type emulsified asphalt and asbestos fibre similar to Thermotex-B, with a troweling consistency. No. 228 can be used as a weather-resistant coating to protect insulation exposed to weather, chemical fumes and liquids, applied to wire mesh stretched over insulation; on insulating air conditioning ducts as a coating or for "running the seams" on rigid duct insulation; as a protective damp-resistant coating on foundation walls and perimeter insulation; as a mastic finish coat in cold storage vault construction. Recommended for temperatures up to 200° F. Furnished in 55-gal. drums, 5-gal. pails and 1-gal. pails.

INSULATION SEAL

Insulation Seal is a ready mixed asbestos fibrated bituminous mastic. It is especially compounded for cold application over most types of insulating materials. It protects the insulation against damage and loss of efficiency by the penetration of water and water vapor. Made in spray or trowel consistency.

A fire-resistant Insulation Seal is also available.

Insulation Seal can be used on pipes, curved and flat surfaces of all kinds. It will hold its bond on horizontal, vertical, sloped or inverted surfaces. Designed for application over insulation such as 85% Magnesite, asbestos cement, rock wool base cements, cellular glass, fibre-glass, mineral wool blankets. It is specially recommended for (1) systems operating at temperatures below dew point, (2) dual temperature systems (200° F. maximum surface temperature), (3) systems subject to long shut-down periods. Furnished in 54-gal. drums, 5-gal. pails, 1-gal. cans.



CORK-COTE MASTIC

Carey Cork-Cote Mastic is an asphalt-base mastic containing a high percentage of granulated cork. The mastic film protects equipment from weather and corrosion and decreases the possibility of condensation forming on the equipment.

Carey Cork-Cote Mastic is used by the refinery, chemical and petro-chemical industries as an anti-sweat insulating and weather-resistant coating applied directly to the primed metal surface. Used on fractionation towers, oil or water storage tanks, ducts and pipes. Recommended for temperatures up to 200° F. Furnished in 55-gal. drums and 5-gal. pails.

BTU CEMENT

Carey BTU Cement is a ready mixed asbestos fibrated bituminous mastic of a troweling consistency. It is especially compounded for cold application to exterior surfaces of porous masonry walls not to exceed 200° F. surface temperature. It produces a firm, tough, air-impervious plastic film which effects an air-tight seal, preventing infiltration of cold air through mortar joints, porous masonry and structural cracks.

BTU Cement can increase boiler efficiency and save as much as 10% on fuel bills when it is used for sealing the outside walls of brick boiler settings. It can be used in power plants, boiler rooms, factories, apartments, hotels and institutional buildings. Furnished in 525-lb. and 300-lb. drums, 50-lb. pails and 10-lb. cans (six per carton).

FIRECLAD JACKETING WEATHERPROOF JACKETING ASBESTOS PAPER AND ROLLBOARD MILLBOARD

PHILIP
Carey

FIRECLAD JACKETING

Carey Fireclad is a durable, weather-resistant jacketing specifically designed for the protection of outdoor pipe lines where the danger of fire must be minimized. Carey Fireclad consists of a tough, substantial sheet of asphalt saturated asbestos felt, over which is cemented on one side an unsaturated asbestos sheet. The complete sheet is reinforced with a fabric of tough, flexible glass threads. Fireclad Jacketing will not drip asphalt in the presence of fire and is highly resistant to combustion.

Carey Fireclad is recommended for use in the process industries and in oil refineries, where it affords maximum resistance to the spread of fire—and further protects the insulated surface from weather damage. Furnished in 50 lb. rolls 38" wide by 34'6" long, containing 108 sq. ft.



ASBESTOS ROOFING FELT

Asbestos felts in various weights are used to protect insulated piping and equipment from weather damage. The asbestos base of these felts is highly resistant to weather damage and provides long lasting protection.

ASBESTOS PAPER AND ROLLBOARD

Asbestos Paper and Rollboard are strong, flexible, fire-resistant sheets composed of pure Canadian asbestos

fiber and free from hard, rocky particles. 6-lb. and 8-lb. Commercial Grade Asbestos Papers are used extensively in the manufacture of various pipe insulation and electrical insulation. The 10-lb. and 12-lb. papers are used for wrapping hot air furnace pipes. Heavier weights are used for lining stoves, ovens, gas ranges and for making gaskets, filters and discs. Furnished in standard widths of 18", 24", 36" and 37 1/2" rolls. Special sizes can be made to order.

ASBESTOS MILLBOARD

Asbestos Millboard is made from pure Canadian asbestos fiber pulp mixed with binding materials and formed in sheets. Asbestos Millboard is used extensively in the electric heating field and glass industry. It is recommended for use in fire screens and partitions, as a fire-proof lining for ceilings, walls, floors, elevator shafts, moving picture machine booths, ranges, stoves, grates, electric ovens, sterilizers and roasters. No. 7 grade withstands temperatures up to 800° F.; No. 1 grade withstands temperatures up to 1000° F. Furnished in 42" x 48" sheets in thicknesses from 1/2" to 3/4".

ORGANIC ROOFING FELTS

Organic roofing felts are available for economical weather-proofing of piping and equipment. They do not have the aging characteristics of asbestos felts but will provide years of satisfactory protection.

WARRANTY:

We warrant our materials to be of good quality and will replace material proved defective. This warranty is in lieu of all others express or implied and may not be extended by representatives, written sales information or drawings. While we recommended uses for our material based on tests believed reliable, we in no way guarantee particular methods of use or application or performance under special conditions.

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CAREY PRODUCTS FILE	ARCHITECTURAL	LIGHT CONSTRUCTION	PLANT ENGINEERING	INDUSTRIAL CONSTRUCTION
Fire-Check Roofing Shingles	Bc/Ca			
Built-up Roofing	8a/Ca			8a/Ca
Structural Insulating Panels	8b/Car			
Corrugated A/C Roofing-Siding	8b/Ca			
Asbestos/Vapor Barrier	9/Cae			
Industrial Insulation			9a/Ca	10a/Ca
Bathroom Cabinets/Accessories	26d/Mh	12d/Mh		
Range Hoods/Vent Fans		12a/Mh		
Radio-Intercoms		11b/Mh		
Access Doors	16h/Mh			