

The RUBEROID Co.

INSULATING PRODUCTS

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Divisional Offices

NEW YORK CHICAGO BOSTON (Millis) ERIE BALTIMORE MINNEAPOLIS MOBILE

Today, Ruberoid materials for heating and power equipment are safeguarding insulation efficiency in hundreds of plants, factories and buildings—giving maximum results with minimum cost.

Ruberoid products are of proved merit, high efficiency and of a type to meet every need economically. They include pipe coverings and blocks for temperatures

from 350 F to 1900 F; Woolfelt pipe covering for hot or cold water conduits; asbestos papers for wrapping furnace pipes, protecting air conditioning; high temperature cements, millboard, rollboard, rock wool bats and blankets.

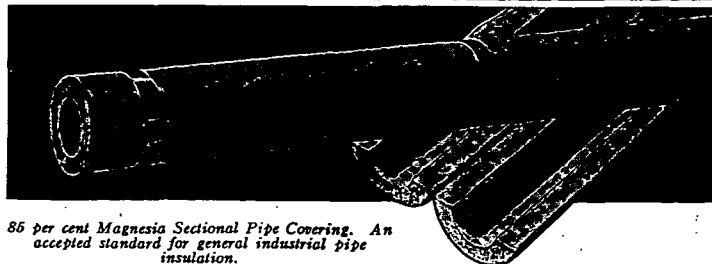
A complete Insulation Guide, will be gladly forwarded upon request.

Product	Temp. Limit	Suggested Use
Hi-Temp Calsilite	to 1900 F	Protective inner layer for high temperature insulations.
Sponge felt	to 1250 F	In pipe covering and block form for high pressure steam.
85 per cent Magnesia	to 700 F	For vibrating pipes and underground insulation—excellent efficiency.
Imperial	to 600 F	Combines efficiency and reasonable cost—General use in industrial work.
Air Cell	to 600 F	Rugged, efficient—wide range of applications.
Woolfelt	to 300 F	Standard insulation for residential pipes.
Anti-Sweat	to 200 F	For cold and hot water lines. Recommended especially for air conditioning work.
Frost-proof	to 120 F	For cold water lines to prevent condensation.
	30 F to 100 F	To assist in the prevention of freezing in circulating water pipes exposed to cold.

Above products are also made in sheets and blocks for insulating tanks, breechings, furnaces, etc.

Characteristics and Insulating Values of Ruberoid Products

Product	Temperature Limit	Density	Modulus of Rupture	Shrinkage		Thermot Conductivity "K"	
	Of soaking Heat	Lbs. Cu. Ft.	Lbs. Sq. In.	Temp. F	Per Cent	Mean Temp. F	Btu
High Temp.	1900 F	24	70	1800	2.0	200°	0.594
						400°	0.630
						600°	0.666
Calsilite	1250 F	13	78	1200	1.7	100°	0.400
						200°	0.460
						400°	0.504
85 per cent Magnesia	600 F	16	50	500	1.0	500°	0.540
						100°	0.410
						200°	0.477
Sponge Felt	750 F	30	85	500	1.0	300°	0.500
						400°	0.531
						500°	0.562
Imperial	600 F	20	73	500	1.0	100°	0.437
						200°	0.478
						300°	0.519
						400°	0.570



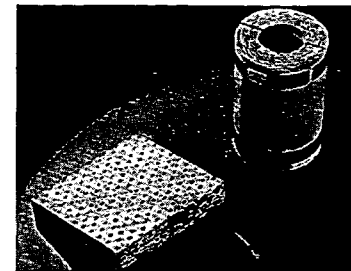
85 per cent Magnesia Sectional Pipe Covering. An accepted standard for general industrial pipe insulation.

Ruberoid Calsilite

Calsilite is a molded insulation that provides the physical characteristics required by engineers designing modern high pressure steam equipment. It is a combination of raw materials, ingeniously controlled, to form a chemically inert product. It is not only unique in its extremely light weight for such material, but it will stand soaking heat of 1250 degrees Fahrenheit indefinitely without changing its value to any appreciable degree. This permits its use on pipe lines and equipment operating at high temperature without the usual protective inner layer of less efficient insulation. The use of single layer insulation, also speeds up its application.

Calsilite is highly efficient in heat saving; it has a high modulus of rupture; it resists abrasion excellently. There is little breakage of Calsilite in shipment or when handled on the job. It has low moisture absorption when subject to high humidity atmospheres.

Calsilite is furnished in both pipe covering and block form. Pipe Covering is made in sections 36 in. long, canvas covered and in such thicknesses that combinations of layers can provide whatever thickness may be required to cope with the conditions. Blocks are made in standard sizes of 6 in. x 36 in. in thickness up to 3½ in. All are packed in cartons suitable for easy handling on the job.



Imperial Pipe Covering

This is a laminated asbestos paper insulation that has been indented to use 22 laminations of asbestos paper per inch thickness. Its efficiency makes it satisfactory for most medium pressure steam work in industrial plants. Its construction makes it ideal for vibrating conditions. It is recommended for temperatures to 600 F. Being an asbestos felt laminated material it is used on vibrating pipes or where hard service is expected. Will withstand water conditions for underground piping. Excellent as an industrial, oil refinery and synthetic rubber plant insulation.

Ruberoid Insulating Cements

For the finishing of sheet and block insulation and the insulating of irregular surfaces, such as valves, unions, flanges, etc., the Ruberoid line of insulating cements is complete. This group of cements not only uses asbestos as its base, but also takes advantage of such excellent natural products as magnesia, mineral wool and Vermiculite.

Asbestos Cements—Factory Prepared—Grades AA, A, HF.
Asbestos Cements—Mine Run—Grades 115, 214.

Magnesia Cement—85 per cent Magnesia.

High Temperature Cement—Grade H.T.

Mineral Wool Cement—Good Insulation in plastic form for temperatures to 1500 F.

Vermiculite Cement—Grade A-11.

Ruberoid Asbestos Insulating Papers and Millboard

Asbestos Paper

Made of pure asbestos, fire-resisting. May be obtained in 6, 8, 10, 12, 14, 16 and 32 lb weights. Also thicknesses ¼ in. and ⅜ in. known as asbestos rollboard.

Asbestos

Corrugated Paper

Efficient for insulating warm air pipes and ducts. 36 in. wide. Rolls contain 250 sq ft.

Asbestos Millboard

A rigid board of exceptional strength and whiteness. Cuts and drills easily. Withstands temperatures to 1000 F. Sheets 42 x 48 in.