

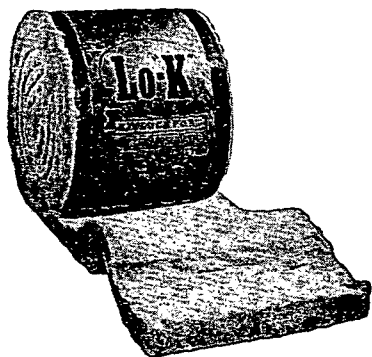
Lockport Mills, Inc.

Thermal and Acoustical

INSULATION

Dept. C.

Lockport, N. Y.



Moisture-Resistant—Chemical treatment, combined with natural protective coating on cotton fibres, enables cotton to effectively resist moisture. Prevents rot and mildew.

Smooth Texture—No sharp particles to irritate the skin.

Flexible—Cotton batt may be expanded or contracted to fit any enclosure.

Easy to Warehouse and Handle. Offers far more "compressibility." Requires one-third the trucking and warehouse space of ordinary insulation.

Simple and Economical to Install. Saves from 25 to 40 per cent in costs.

Designed to Maintain Maximum Utility. Resists all types of deterioration. Won't sag or settle. Packaged in Rolled Form.

Thicknesses—inches: 1, 1½, 2, 3, 3½. **Width**—16, 20, 24 in. centers. **Lengths**: Standard from 12 ft up.

INSULATING VALUE OF VARIOUS INSULATORS*

The coefficients of conductivity (k value) are expressed in Btu per hour per square foot per degree Fahrenheit per 1 in. of thickness.

Type of Insulation	Wgt. per Cu Ft	k ^b Value
Cotton: Insulating Batt	.875	0.24
Rock Wool: Fibrous material made from rock	10.00	0.27
Mineral Wool: Fibrous material made from mineral slag		0.27
Glass Wool: Fibrous material made from glass slag	1.50	0.27
Rigid Insulation made from sugar cane fibre	13.50	0.33
Chemically treated wood fibre between layers of paper	3.62	0.25
Pei grass between layers of paper	3.40	0.25
Stitched and creped expanding fibrous blanket	1.50	0.27
Shavings: Various from planer	8.80	0.41
Corkboard: No binder added	7.00	0.27
Rigid insulation made from wood fibre	15.90	0.33

* Compiled from Chapter 9, 1954 Edition.

^b "k" indicates temperature conductivity.

Thermal Conductivity—The "k" value for cotton is 0.24 Btu/hr/sq ft/degree F/inch. (See table.)

Light Weight—Weight of 1 cu ft is 7½ lb. (See table.)

Flame-Proofed—Withstands 1800° blow torch heat.

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The Pacific Lumber Company

100 Bush Street, San Francisco 4, Calif.



IDEAL FILL INSULATION

FOR REFRIGERATION OR

AIR CONDITIONED STRUCTURES

REFRIGERATION REQUIREMENTS COMPLETELY FULFILLED BY VOID-FREE PALCO WOOL

Extremely low thermal conductivity over a wide range of mean temperatures is due to low conductance through the material itself, void-free application providing full insulation without pockets or joints, and virtual elimination of convection current losses. Initial and operating economy result from low material cost, simple structural requirements, ease of installation, efficiency minimizing refrigerating equipment requirements, and permanent effectiveness proved through exhaustive in-place field tests. Fire retardant by nature, *Palco Wool* is further protected by the unique *Saferized* process. Odorless, repellent to rodents and insects, and moisture resistant, *Palco Wool* is ideal for freezers, coolers, controlled atmospheres.

AIR CONDITIONING EFFICIENCY INCREASED BY PALCO WOOL IN HOME OR COMMERCIAL USE

Maximum performance of home or commercial air conditioning and heating equipment is assured by *Palco Wool's* unique combination of qualities. It is recognized to have one of the highest efficiency ratings of all insulations. Permanent resilience guards against settlement, providing full insulating effectiveness for the life of the building. Not only is natural fire retardance increased by the unique *Saferized* process, but *Palco Wool* also resists breakdown or melting under high temperatures. Free from odors, non-irritating, moisture resistant, repellent to rodents and insects, *Palco Wool* has proved its effectiveness for public or private building insulation. Low cost, ease of installation, and light weight recommend it from the standpoint of architects, designers, applicators and users.

WRITE FOR THESE HELPFUL BOOKLETS AVAILABLE ON REQUEST

NEW REFRIGERATION INSULATION MANUAL

Handy illustrated reference manual covering details of design and construction for freezers, coolers, and controlled atmospheres. Vapor proofing, void-free application of *Palco Wool* Insulation, U values of various types and thicknesses of insulated walls and ceilings, and other valuable data are presented in easy-to-follow drawings, photographs, charts and text, compiled by experienced refrigeration engineers.



FACTS ABOUT HOME INSULATION

Attractive new booklet outlining the economic and comfort advantages of proper home insulation, showing where, how and when to insulate. Written in layman's language to help air conditioning and insulation merchandisers present a sound effective sales story.

OTHER TECHNICAL DATA AVAILABLE—*In-Place Tests*, design data developed through refrigerated wall tests. *Engineering Reports*, on-the-job findings covering operation over periods of several years. *Samples of Palco Wool Insulation*.

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