

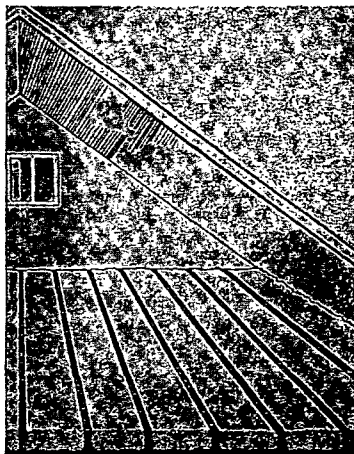
Insul-Wool Insulation Corp.

General Offices, Wichita, Kansas

Branches in Principal Cities

Manufacturers and Distributors of Insul-Wool

Insul-Wool is a fibre insulation of the "fill" type—made of wood pulp, a natural insulating material. By the exclusive "Insul-Wool" method the wood pulp is converted into a loose fluffy substance which, when installed in a building, forms a soft heat-resisting blanket having millions of tiny air cells capable of resisting passage of either heat or cold.



Insul-Wool Applied over Ceiling

UNIFORMITY OF PRODUCT

Only one grade of Insul-Wool is made and every "run" is tested at the factory to insure uniformity of product and unvarying high quality. It is free from grit, silicon particles, or "shot."

FIRE PROOF AND VERMIN PROOF

A special "Insul-Wool" method of chemical treatment makes Insul-Wool thoroughly vermin proof and fire proof.

"INSUL-WOOL" SERVICE

Insul-Wool is distributed and installed only by specially trained men—direct factory representatives or men in the organizations of the largest insulation material dealers throughout the United States.

ADVANTAGES OF INSUL-WOOL

1. It is made from wood pulp, a natural insulating material.
2. Chemical treatment makes Insul-Wool safe under all conditions and hazards.
3. Its light weight of 2.5 lb to the cubic foot adds very little load to the ceiling rafters.
4. Does not pack or settle and outlasts the building in which it is installed.
5. Does not draw moisture.
6. Cuts fuel costs and reduces Summer temperatures, indoors.
7. Meets U. S. Government requirements of Federal Construction with a thermal conductivity of 0.24 Btu per hour, per square foot, per degree Fahrenheit, per inch thickness.

Analysis of Insul-Wool in Terms of Commercial Thickness

Material	Commercial Form	Comm'l. Thickness Inches	D. Wt. Per Cu. Ft.	C. Conductivity
INSUL-WOOL	Wood Fiber-Loose Type, Fire proofed and Germ proofed.	1 4	2.5	0.24* 0.067**

*Kansas City Testing Laboratory, Inc., February 25, 1938.

**J. C. Peebles, Armour Institute of Technology, April 8, 1937.

Complete data on Insul-Wool Insulating Product will be sent upon request.

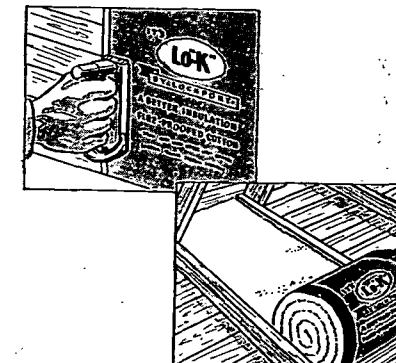
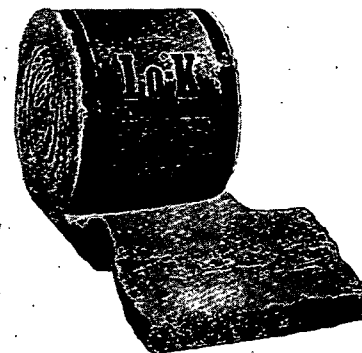
Lockport Cotton Batting Co.

Lockport, New York



FLAME-PROOFED COTTON INSULATION

Fire proofed and manufactured under Department of Agriculture Specifications



Lo-"K" is made of processed American cotton of varying thicknesses, packaged in rolled form, with or without Kraft paper backing—an added moisture barrier.

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 $\frac{7}{8}$ lb. (See table.)

Flame-Proofed—To comply with Department of Agriculture specifications to withstand a temperature of 1800° F.

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

Smooth Texture—Cotton contains none of the sharp particles that can harm workmen's hands during process of installation.

Flexible—Cotton batt may be expanded or contracted to fit any enclosure. It easily passes over and under pipes and wires.

In walls or roof, the nailing flange is folded out from paper backing and attached to edge of studs or rafters.

In attic with open floors, Lo-"K" is simply tucked between ceiling rafters, cotton side up.

Manufactured in Standard Sizes.
Packaged in Rolled Form.

Thicknesses—Inches: 1, 1½, 2, 3, 3½. Width—Inches: 16, 24 on centers. Lengths: Standard from 12 ft up.

Available in Quantity—(priority free)—Lockport is establishing dealers in principal distributing centers. If your dealer doesn't happen to have Lo-"K" in stock, we invite your inquiry for prices and samples.

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 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
Eel 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
Rigid fibre board made from shredded wool and cement.....	24.20	0.46

*Compiled from Chapter 4.

b" k" indicates temperature conductivity.