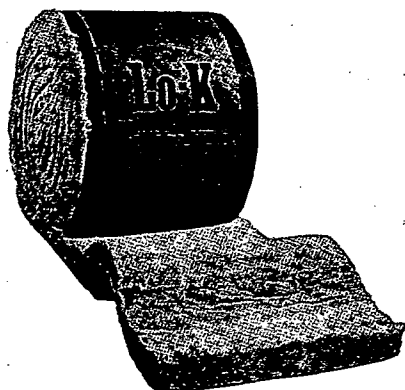


Lockport Mills, Inc.

Dept. C Lockport, N.Y.

Thermal and Acoustical
INSULATION



Five featured types to meet every insulation need: (1) **OPEN BLANKET** backed by tough, waterproof, asphalt-coated kraft paper to form an effective vapor barrier. (2) **ENCLOSED BLANKET**. Insulation completely enclosed in envelope, asphalt-coated paper on one side, porous or "breather" type paper on other. (3) **OPEN ALUMINUM FOIL**. All the features of Open Type (1) plus the extra value of aluminum foil backing. Effective vapor barrier ... stops 90 percent of radiant heat. (4) **ENCLOSED ALUMINUM FOIL**. Superior in insulation plus values and thermal efficiency. (5) **DOUBLE FOIL**, aluminum foil on top and back, plus superior Lo-K Blanket efficiency for tops in insulating value.

Lockport's TEMP-LO

A New Type of Semi-Rigid Insulation

Improved processing makes possible a new and better semi-rigid blanket with greater thermal efficiency and ease of installation. It is light in weight, nonirritating and made in all standard sizes, styles and backings.

Distributing agencies now being established. Write for details.

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 3/4 lb. (See table.)

Flame-Proofed—Withstands 1800F blow torch heat.

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.

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 percent in costs.

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

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

* Compiled from Chapter 9, 1954 Edition.
* "k" indicates temperature conductivity.



Reflectal Corporation

A subsidiary of Borg-Warner Corporation
200 S. Michigan Ave., Chicago 4, Illinois

UNIQUE REFLECTIVE INSULATION

What ALFOL is: ALFOL is a reflective-type insulation consisting of multiple aluminum foil layers in handy blanket form. Designed to combine high thermal efficiency with positive vapor control, ALFOL is ideal for all types of residential, commercial and industrial buildings.

How ALFOL works: Utilizing the reflective insulating principle, the patented ALFOL blanket effectively resists all 3 forms of heat transfer. (1) Self-spacing sheets of pure aluminum foil reflect 95 percent of all radiant heat. (2) Convection is blocked by these same foil layers. (3) Multiple "captive" air spaces hold conduction to the minimum. The result is a combination of benefits that is totally unique.

PRINCIPAL ADVANTAGES OF ALFOL

High year-round efficiency: In resisting up-flow (winter) and horizontal heat transfer, ALFOL efficiency is comparable to that of normal bulk insulation. In resisting down-flow (summer) heat transfer, ALFOL is decidedly superior. The result is an overall efficiency profile that is truly outstanding. NOTE: See Chapter 9, Table 3 for characteristics of aluminum insulation.

Extra air-conditioning economy: Low heat storage capacity, combined with the decided summer advantage cited above affords substantial savings in air conditioning.

Reliable condensation control: A separate vapor barrier (consisting of polyethylene lining, foil or duplex-backed kraft) is a component feature of all ALFOL types. This positive, continuous vapor barrier guards against condensation.

Rapid, positive application: Self-spacing action of the unusual ALFOL blanket makes installation virtually fool-proof, and its speed of application means low installed cost.

Additional advantages: ALFOL is clean, permanent, odorless ... and completely uniform in quality. With 9 ALFOL Types to choose from, you specify what you need ... and get what you specify.

AN ALFOL TYPE FOR EVERY PURPOSE

(A) **Standard ALFOL Types:** for normal insulating requirements. Available in various combinations to provide 2, 3 or 4 reflective air spaces. Designations: Type 1, Type 1A, Type 2, Type 3, Type 4.

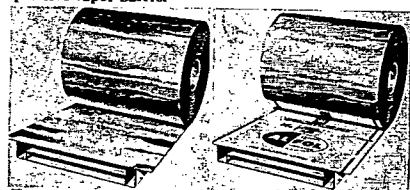
(B) **Heavy-duty ALFOL Types:** for utmost insulating performance. Similar to Standard Types, but with heavy reinforcing for extra rigidity and "box-type" end-design for full edge-to-edge coverage. Designations: Types 22F and 22 (with polyethylene backing), Types 44F and 44.

All ALFOL Types are available in widths to accommodate 12-in., 16-in., 20-in. and/or 24-in. framing centers. Blankets are packaged in continuous-length rolls of 500 or 250 sq ft.

FREE Data Book. For complete technical data and specifications, write for 28-page ALFOL Data Book. This colorful manual is available free to architects and engineers.



Standard ALFOL blanket is available in 5 types for varying thermal needs. Type 2 (shown) has 2 aluminum foil sheets that expand automatically to deliver 3 reflective air spaces. Duplex-lined kraft backing provides positive vapor barrier.



Heavy-duty ALFOL blanket is heavily reinforced, has "box-type" design for edge-to-edge fit. Type 44F (left) provides 4 reflective air spaces for maximum performance. Type 22F (right) features polyethylene lining for extra condensation safety.



Ideal for sidewall installations, ALFOL combines high thermal value with the vital protection of a positive, continuous vapor barrier.



Installed (shown here) in residential ceilings, ALFOL provides normal efficiency in winter, decidedly superior efficiency in summer.



Industrial "exposed ceiling" installation of ALFOL. Here, Type 44F (shown) provides full insulation plus a semi-finished ceiling.