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 7 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.

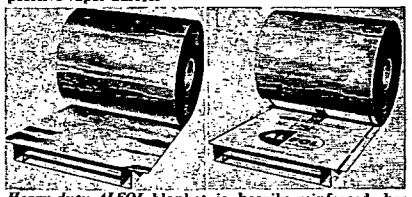
(B) Heavy-duty ALFOL Types: for utmost insulating performance. Similar to Standard Types, but with heavy reinforcing for extra rigidity and "box-type" end-design for full edge-to-edge coverage. Designations: Type 22F (with polyethylene backing), and Type 44F.

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.

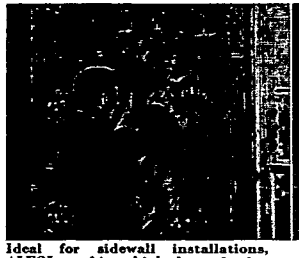
FREE Data Book. For complete technical data and specifications, write for 28-page ALFOL Data Book. This colorful manual is available free to architects and engineers.



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 ceiling, ALFOL provides normal efficiency in winter, decidedly superior efficiency in summer.

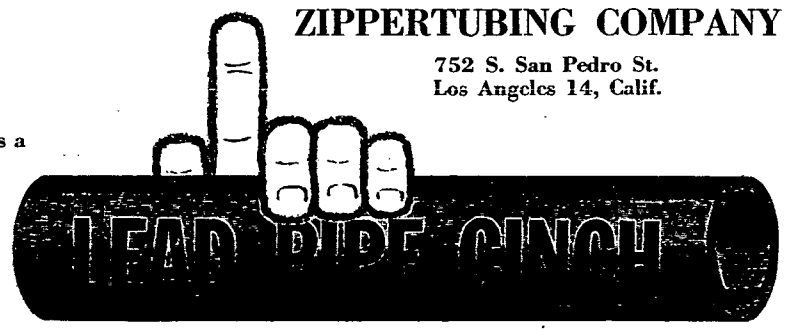


Industrial "exposed ceiling" installation of ALFOL. Here, Type 44F (shown) provides full insulation plus a semi-finished ceiling.

ZIPPERTUBING COMPANY

752 S. San Pedro St.
Los Angeles 14, Calif.

It's a

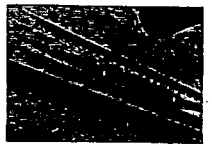


to END Condensation Drip, Rust, Corrosion and Hot Spots

With ZIPPERTUBING

ZIPPERTUBING is one of the simplest, most inexpensive ways to protect heating, air conditioning or water pipes from atmospheric or temperature hazards. Simply zip ZIPPERTUBING around the pipe—one man can do it—and pipe is protected!

ZIPPERTUBING ANTI-DRIP COVERS



end the unsightly aspect of condensation drip, stem corrosion, halt bacteria growth around moist pipes, prevent the rotting of walls and floors around the pipes. Covers are supplied to custom-fit pipes, so installation is a simple matter of placing the covers around the pipe, adjusting cover as to length and zipping close. Zippertubing is available in a wide variety of colors to fit any size pipe.

ZIPPERTUBING PIPE COVERS



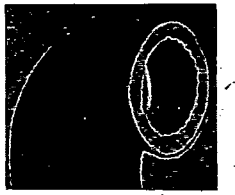
provide an "overcoat" for pipes. Outer covering is made of Vinyl; insulation is fiber glass. Cover provides two-way insulation: heat or cold (when pipes are used for air conditioning) is held in the pipes.

ZIPPERTUBING INSULATION FOR "HOT SPOTS"



Initially developed for the missile and aircraft industry, this insulation envelope of special high temperature materials is now being widely used to cover hot spots in piping. Zippertubing insulation envelope permits pipes to be handled easily and without danger regardless of temperature in the area and protects pipes from the deterioration caused by excessive heat.

ZIPPERTUBING FITS EASILY OVER ELBOWS AND JOINTS



Zippertubing takes the curves without effort . . . zipping easily to a snug fit.

ZIPPERTUBING is available to fit any size pipe and with any thickness of insulation required. For full information on how Zippertubing can help you, write for free literature. Our technical department will be glad to answer specific questions regarding Zippertubing. There's no cost . . . no obligation.