L·O·F GLASS FIBERS COMPANY

Dept. 19-118, 1810 Madison Ave., Toledo 1, Ohio

L·O·F GLASS FIBERS' DUCT INSULATIONS

LIGHTWEIGHT, FLEXIBLE, EFFICIENT

Properties: Made from fine, consistently uniform glass fibers bonded together in blanket form, L·O·F Glass Fibers' Duct Insulations resist the transfer of heat. They also resist fire, settling and the effects of humidity. Glass fibers are inorganic. They provide no sustenance for fungi, bacteria, rodents or insects.

Application: Lightweight, flexible and resilient, L·O·F Glass Fibers' Duct Insulations are easy to handle in large sections, easy to fasten securely by standard methods. They can be cut quickly with knife or shears; bent around curved surfaces; easily fitted into irregular areas.

DUCT LINERS

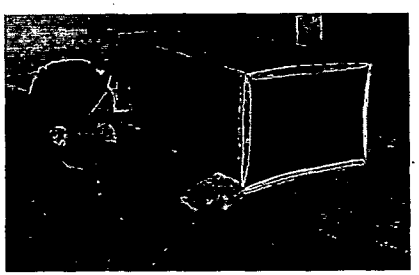
Microtex® Duct Liner effectively reduces mechanical noises, especially in the 250 to 4,000 cps range where most air-conditioning and heating system noises occur; retards heat transfer through duct walls. When lined with Microtex, the metal of the duct acts as a vapor barrier.

Product Data: Microtex is a semi-rigid, lightweight insulation made from fine glass fibers, reinforced with glass textile yarn, and bonded with a thermosetting resin. Also available: L·O·F Glass Fibers' Microlite and Super·Fine Duct Liner, non-rigid blankets made from extremely long, fine glass fibers without yarn reinforcement.

Noise Reduction Coefficient: Microtex Liner 1 in. thick has a coefficient of 0.70 in 1½ lb/cu ft density; 0.74 in 2 lb density and 0.75 in 3 lb density. No. 6 mounting used.

Packaging Data: Microtex Liner comes in densities of 1½, 2 and 3 lb/cu ft. Widths—36 in. and 48 in. Thicknesses—1 in. and 1½ in. Lengths—in rolls, 50 or 100 ft.

Coating: Duct Liners are coated on one side with black vinyl to resist air erosion even at peak operating velocities.



Microtex Duct Liner is an efficient acoustical and thermal insulation for air-supply ducts. Lining is attached to flat metal sheets with adhesive or mechanical clips; then formed in the brake with the metal.

DUCT WRAPS

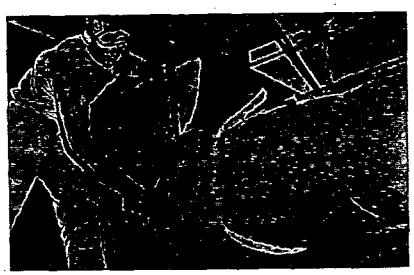
These low-density, resilient glass fiber insulating materials have high thermal efficiency and sound-absorption characteristics. Countless tiny air cells formed by millions of fine glass fibers effectively minimize heat loss or gain.

Product Data: Duct Wraps are available under the trade names Microlite®, Super·Fine and Microtex®. Microlite and Super·Fine are non-rigid blankets formed of extremely long, fine glass fibers. Microtex is a semi-rigid blanket of fine glass fibers, reinforced with glass textile yarn.

Thermal Performance: At 75 F mean temperature, Microlite or Super·Fine Duct Wrap of 1 lb/cu ft density has a k-factor of 0.24 (Microtex ¾ lb/cu ft density 0.29).

Packaging Data: Densities—½, 1 lb/cu ft (Microtex ¾ lb/cu ft). Width—18, 24, 36, 48 and 72 in. Thicknesses—1 in. and 2 in. Lengths—in rolls to 200 ft, depending on thickness and density desired.

Facings: All Duct Wraps are available plain, or with vapor-barrier facings such as reinforced paper and foil, vinyl film or aluminum foil applied. Where required, standard widths may have a 2 in. sealing tab on one or both sides.



L·O·F Glass Fibers' Duct Wraps can be fitted quickly around duct and suporting hangers. Light-gage wire ties complete the job. Workmen find these insulations soft and flexible; pleasant to handle without gloves.

L·O·F GLASS FIBERS COMPANY

SALES OFFICES: Atlanta, Baton Rouge, Boston, Charlotte, Chicago, Cincinnati, Cleveland, Dallas, Detroit, Houston, Jacksonville, Kansas City, Mo., Los Angeles, Milwaukee, New York, Philadelphia, Richmond, St. Louis, Syracuse, Toledo, Washington, D. C.
DISTRIBUTORS: (Located in principal cities)

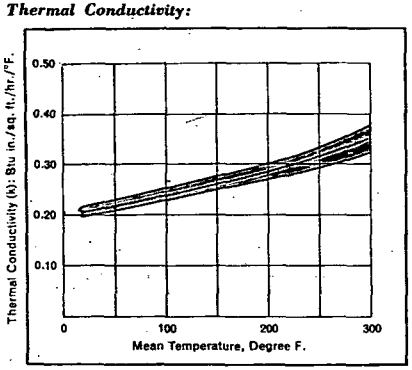
L·O·F GLASS FIBERS' MICRO-LoK PIPE INSULATION

MICRO-LoK* a resilient one-piece, molded glass fiber PIPE INSULATION with full-length "Spring-Hinge" action.

Description: Micro-LoK Pipe Insulation is made from long and fine glass fibers molded together into one-piece, three-foot sections for use in all standard iron pipe and copper tubing. Temperature limit is 350 F maximum down to −120 F. Primary uses are cold and hot water supply lines; heating supply and return lines, either steam or hot water; dual temperature lines; and chilled water, brine, refrigerant and special process piping.

Properties: Density—3.50 lb nominal. Moisture absorption—less than 0.2 per cent by volume. Alkalinity—less than 2 percent expressed as Na_2O. Corrosivity—(with steel, copper, aluminum) does not cause or accelerate. Specific Heat—0.20 Btu/lb/F. Thermal Diffusivity—@ 150F mean temperature 0.032 sq ft/hr. Micro-LoK is lightweight—a 3 ft section of 1 in. thick for fitting a 2 in. pipe weighs ¼ lb L.F. It does not break or crumble during shipment or application. Glass fibers are incombustible . . . resistant to moisture . . . and will not rot, shrink or swell.

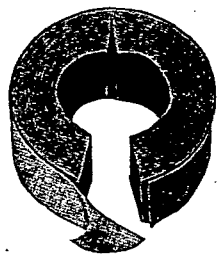
Thermal Conductivity:



Shaded area represents normal variation in conductivity due to manufacturing and raw material tolerances and to differences in testing equipment. Black curve shows average values and is used for heat loss calculations.

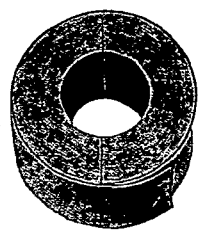
Jackets: Available in canvas, weather resistant, or a variety of vapor barrier jackets, such as general purpose, dual temperature and flame resistant. All jackets factory applied with a minimum 1½" longitudinal lap.

Application: Micro-LoK features an automatic "Spring-Hinge" opening and closing action that works like this:



Opens easily

Each section has a longitudinal cut completely through one wall and partially through on the other.



Closes Automatically

Locking action produces snug closure to insure *minimum heat loss or gain.*

The fiber lay-up of Micro-LoK permits easy cutting and fitting of the inside diameter to conform to irregularities common in pipe line systems, such as couplings, unions, etc. No tools—other than an ordinary knife or shears—are needed.

Packaging Data: Available in all standard wall thicknesses—especially ½ in. and ¾ in.—for all standard pipe and copper tubing sizes. Lengths—3 ft sections. Shipped in corrugated cartons.

For more information and samples on Micro-LoK Pipe Insulation, write or call the nearest *L·O·F Glass Fibers Company Sales Office, or Dept. 19-118, L·O·F Glass Fibers Co., 1810 Madison Ave., Toledo 1, Ohio.*

* Pat. Pending