Owens-Corning Fiberglas Corporation

General Offices—Toledo 1, Ohio.
Pacific Coast Division, P.O. Box 89, Santa Clara, Cal.

OWENS-CORNING FIBERGLAS

A COMPLETE LINE OF INDUSTRIAL INSULATIONS

Fiberglas Duct Insulations

Fiberglas Duct Insulations come in both rigid and flexible forms in six basic types. All deliver top insulating performance against heat and cold *plus* the additional advantage of sound control.

Fiberglas Vapor-Seal Duct Insulation is ideal for use on air conditioning ducts in warm and humid areas. Built-in vapor barrier of asphalt and kraft paper. Full range of thicknesses for specific temperatures.

Fiberglas Flexible Duct Liner is used as a sound absorber and thermal insulation inside ducts. Available in two thicknesses with high NRC.

Fiberglas Flexible Duct Insulation can be used to provide thermal insulation on exterior of ducts of any shape.

Faced Flexible Duct Insulation, with facings of foils, duplex papers and reinforced laminate for vapor barrier or appearance purposes.

Fiberglas Coated Duct Insulation is a versatile product used for both inside and outside duct insulation.

Fiberglas PF Duct Insulation for covering rectangular ducts at minimum cost for efficient performance.

Fiberglas* Pipe and Block Insulation

Fiberglas PF (pre-formed) Pipe Insulation available in all standard sizes for both low temperature and heated piping.

Dual-Temperature Pipe Insulation for use on cold piping or dual-temperature piping.

Fiberglas Block Insulation and PF Insulating Boards for small and large heated or cooled equipment.

Aerowrap* Pipe Insulation for heated piping, cooled piping, steam traced lines, valves and fittings.

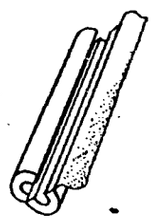
Blanket-Type Pipe Insulation for hot pipes up to 1000F, welded pipe and large pipe sizes.

Low Pressure Pipe Insulation for hot water and low pressure steam lines and for cold water pipe.

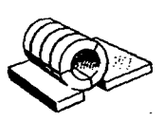
Fiberglas PF Insulation, a general-purpose insulation for heated or cooled equipment.

Fiberglas TW-F Insulating Wool, general-purpose insulation used for high-temperature equipment and industrial ovens.

Metal Mesh Blankets for breechings, tanks, ovens, and other high-temperature equipment for temperatures to 1000F.



Kaylo Pipe and Block Insulation



The low coefficient of conductivity, or "k," of Kaylo Heat Insulation, together with its long life at temperatures up to 1200F makes it ideal for high temperature insulation. Available in all standard sizes. Easily cut or fitted on the job. Made of hydrous calcium silicate by Owens-Illinois Glass Co. and distributed by Owens-Corning Fiberglas Corp.

For detailed information on Fiberglas Insulations look in the yellow pages for your local Fiberglas Distributor-Contractor or write Dept. 44, Owens-Corning Fiberglas Corporation, Toledo 1, Ohio.

* FIBERGLAS (Reg. U.S. Pat. Off.) and AEROWRAP are trade-marks of Owens-Corning Fiberglas Corporation.

OWENS-ILLINOIS

GENERAL OFFICES · TOLEDO 1, OHIO

GLASS BLOCK AND TOPLITE PANELS

TWO (O-I) PRODUCTS

Owens-Illinois Glass Block are hollow, hermetically sealed glass units containing a ⅔ vacuum. They are laid in mortar to form light-transmitting panels in vertical walls. Owens-Illinois Glass Block provide quality-controlled daylighting by glass areas which reduce heat loss, surface condensation and infiltration in cold weather and heat gain in warm weather.

Thermal Insulation

The coefficients of heat transmission "U" for panels of Owens-Illinois Glass Block are as follows:

Size of Block		"U" (Btu/sq Ft/Hr/F Temp Difference
5¾" Sq		.60
7¾" Sq		.56
7¾" Sq	with Glass Fiber Insert	.48
11¾" Sq		.52
11¾" Sq	with Glass Fiber Insert	.44

Surface Condensation

Because of the low over-all, air-to-air heat transfer, the exterior air temperatures which will produce condensation on panels of Owens-Illinois Glass Block are much lower than that for ordinary single glass. This permits higher humidities to be maintained where needed for winter air conditioning for comfort or for industrial processes.

Infiltration

Panels of glass block which are laid in mortar provide a barrier against infiltration. Dusts, drafts, and air vapor leakage are minimized. Natural ventilation requirements can be met by installing windows in glass block panels.

Solar Heat Gain

Complete instantaneous solar heat gain data for Owens-Illinois Glass Block designs for all exposures are given on Pages 296 and 297 of THE GUIDE. The design numbers which correspond with the ASHVE type numbers are, as follows:

ASHVE type No.	O-I Block Design Nos.
I	307, 316, 330, 331, 370
II	340
III	340 With Fiberglas Insert
IVA	365
V	363

A new Owens-Illinois Block design, No. 80-F, is now available which has a much lower maximum solar heat gain than any of those shown in THE GUIDE. This reduction is due to the fact that this block reflects a high percentage of the solar energy which is incident on the exterior at the time of year when it reaches a maximum. Calculations of the solar heat gain through this block are now available. Confirming tests are being run. Write for data.

Owens-Illinois Toplite Panels

Owens-Illinois Toplite Panels are made of hollow, partially evacuated and hermetically sealed glass units, prefabricated at the factory into panels of insulated aluminum grid construction. Used horizontally in roofs, Toplite Panels offer controlled daylighting with reduced heat loss and surface condensation. Solar heat gain through Toplite panels is much less than that through single glass skylights, due to the fact that Toplite Panels reflect a high percentage of the solar energy when the sun is at high altitude angles as in the spring and summer months.

Design and Sizes

Owens-Illinois Glass Block are made in a variety of face designs and in three standard sizes (5¾ in. Sq, 7¾ in. Sq, and 11¾ in. Sq, all 3⅛ in. thick). Mortar joints of ¼ in. thickness are recommended.

Prefabricated Toplite Panels are available in four standard sizes (3 ft x 3 ft, 4 ft x 4 ft, 3 ft x 6 ft, and 4 ft x 5 ft). All are 3 1/16 inches thick. Complete technical data, description and details will be gladly sent. **Write: Kimble Glass Company, subsidiary of Owens-Illinois, Department HV, P. O. Box 1035, Toledo 1, Ohio.**