

PITTSBURGH

DEPT. S-9, ONE GATEWAY CENTER

PC CORNING
 PITTSBURGH 22, PA.

FOAMGLAS® . . .
 the cellular, stay-dry insulation

What FOAMGLAS® is . . . FOAMGLAS is a unique thermal insulation composed of closed cells of glass. It possesses a combination of physical characteristics which makes it virtually an ideal insulation.

It is completely inorganic and thus will not burn, rot, swell or slump. Its closed cell structure renders it impervious not only to moisture but to moisture vapor as well. Because it is water and vapor proof, it retains a constant insulating value (k) for the life of an installation. In addition, FOAMGLAS doesn't require a costly separate vapor barrier.

FOAMGLAS is unusually strong, having an average ultimate compressive strength of nearly 7 tons per square foot. But FOAMGLAS is light in weight, works easily with ordinary tools and therefore is very easily installed.

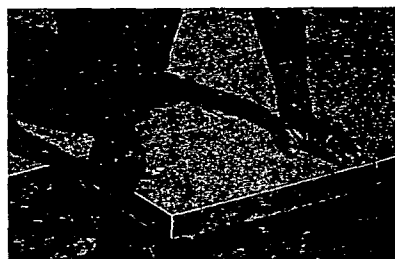
All of these characteristics have enabled FOAMGLAS users to benefit from its constantly-high insulating performance. That's why FOAMGLAS has gained recognition as an excellent insulation for roofs, ceilings, walls, and floors of all kinds of buildings as well as for hot, cold and dual temperature piping, tanks, and other equipment.

HOW FOAMGLAS can benefit you:

Properties		Benefits
Absorption	0	Moisture reduces insulation effectiveness and life. FOAMGLAS stays dry, maintaining constant insulating value.
Combustibility	Incombustible	Protects from fire hazards.
Compressive Strength	100 lbs./sq. in.	Offers unusually high strength for varied structural and load bearing applications.
Hygroscopicity	No increase in weight in 365 days in air at 90 percent relative humidity	FOAMGLAS is its own vapor barrier.
Density	9 lbs./cu. ft. (ave)	Lightweight, easy to handle and install.
Thermal Conductivity (k) at 50°F	0.35 Btu/hr/sq. ft./°F/in.	Excellent insulating value that remains constant.

FOAMGLAS is approved by Underwriters' Laboratories and is listed under Label Service.

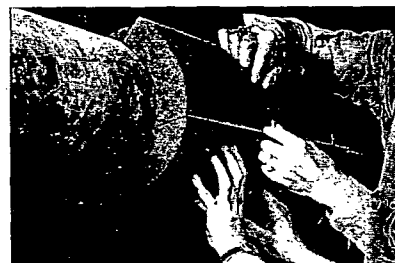
For full technical information, please write for our new catalogs indicating which of the above uses of FOAMGLAS you are most interested in. Address Dept. S-9, Pittsburgh Corning Corporation, One Gateway Center, Pittsburgh 22, Pa.



For Building, Roofs, Ceilings, Walls and Floors. At Winston-Salem, FOAMGLAS' high strength permitted insulating parking deck-roof of Sears Roebuck's air conditioned store. In your building, moisture-proof FOAMGLAS insulation can help maintain air conditioning system efficiency.



For Ducts. Light-weight blocks of FOAMGLAS were easily applied to these metal air conditioning ducts at the Moses H. Cone Memorial Hospital, Greensboro, North Carolina.

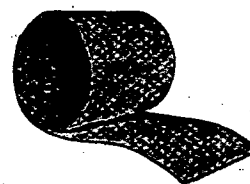


For Piping. FOAMGLAS pipe insulation (available for up to 36 in. pipe size) was applied on this welded pipe carrying cold water for the system air conditioning several new skyscrapers.

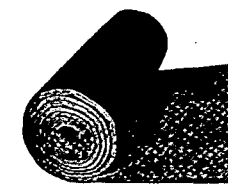
Pittsburgh Plate Glass Company

FIBER GLASS DIVISION

One Gateway Center Pittsburgh 22, Pennsylvania



Standard Duct Liner for Heat Insulation



Neoprene Coated Duct Liner for Sound Absorption and Heat Insulation

Pittsburgh Superfine insulation is composed of extremely fine glass fibers, ranging upward in diameter from only 3/100,000 of an inch. It's an exceptionally light-weight, efficient thermal and acoustical insulating material. When specifications call for control of heat or cold—or you need sound absorbed or deadened—here are some of the advantages Pittsburgh Superfine Fiber Glass insulation provide:

High Thermal Efficiency—Thermal conductivity, k, at a mean temperature of 75 F is 0.22 to 0.29 Btu (sq ft) (hr) (deg F) (in.) thickness, depending on density. Effective for both high and low temperatures ranging up to 500 F.

Fine Acoustical Properties—Noise reduction coefficient of a 1 in. thickness is as high as 0.85 with the sound absorption curve showing high efficiencies in the ranges of the most irritating noise.

Light Weight, Easy to Handle—Added load in any application is virtually negligible. Readily cut with knife, shears, or die. Can easily be sewed and quilted, glued, tacked or taped into position.

Flexible, Resilient, Tough, and Soft—Made from long, fine glass fibers to attain superior qualities. Can be used on round or irregularly shaped objects and spaces as easily as in conventional layers. Fits closely into corners and tight spots quickly and easily, without damage to its structure.

Saves Vital Space—In use: Higher insulating efficiency means less thickness of Superfine required, as compared to ordinary insulation. In shipment: Packaged compressed to reduce shipping and storage space.

STANDARD SPECIFICATIONS—Pittsburgh Superfine is available in standard roll widths of 18 in., 24 in., 36 in., 48 in., 54 in. and 72 in. It can be supplied in any desired width down to 2 in. Rolls are wound on 2 in. tubes and wrapped in heavy kraft paper. Superfine is also available in special lengths on request. It is furnished neoprene coated for "Duct Liner or with various paper, cloth or foil facings.

Type	Density (lbs per cu ft)	Thickness (inches)	Approx sq ft per lb	Typical Roll Length (feet)	Approx OD of Rolls (inches)
S-314	1/4	1/4	40	100	18
		3/4	26.7	100	22
		1	20	100	26
		1 1/4	13.3	100	30
		2	10	100	32
S-315	3/4	3	6.7	100	38
		1/4	64	100	10
		3/4	32	100	16
		1	21.3	100	20
		1 1/4	16	100	23
S-316	1	2	10.7	100	26
		3	8	100	28
		1	5.3	50	27
		1/4	48	100	10
		3/4	24	100	14
S-317	1 1/4	1	16	100	17
		1 1/4	12	100	20
		2	8	100	24
		3	6	100	34
		1 1/4	4	100	39
S-318	2*	1/4	32	100	13
		3/4	16	100	18
		1	10.7	100	22
		1 1/4	8	100	25
		2	5.3	100	31
S-319	3*	1/4	24	100	13
		3/4	12	100	23
		1	8	100	27
		1 1/4	6	100	32
		2	4	50	29
S-105 (Air-craft)	1/4	1/4	16	100	16
		3/4	8	100	23
		1	5.3	100	27
		1 1/4	4	50	32
		2	4	50	29

* Duct Liner Densities