Torfoleum Corporation

Chrysler Building, New York City

TORFOLEUM

ALFOL

Torfoleum is made of dried Sphagnum Moss and its record of performance under actual working conditions, over a period of years, has demonstrated conclusively that it is a highly efficient insulating sheet. Its nature and advantages make it of practical use in meeting a wide range of insulating and sound deadening needs.

Torfoleum has an exceptionally low thermal conductivity as confirmed by the test of J. C. Peebles of the Armour Institute of Technology:

Sample	Thickness In.	Density Lbs. Cu. Ft.	Mean Temp. Deg. Fahr.	Heat Conductivity, per 1 in. Thick	B.t.u. per Hour per Actual Thick.
1	1.62	10.7	70	0.253	0.156
2	1.61	11.4	70	0.266	0.165

Torfoleum has been rigidly tested for its resistance to compression and the compression in 1 in. under a load of 1,764 lb. per square foot is only 0.03 in.

Torfoleum does not rot. It contains no bituminous or mineral binder and therefore provides permanent insulation against heat and sound transmission.

Torfoleum is impregnated against water absorption which is a guaranty of the permanence of its insulating qualities.

Torfoleum is free from harmful odor and particularly adaptable for use in storage plants where foodstuffs are to be stored.

Torfoleum is a sterile material.

Torfoleum is a fire retardant, as it has been thoroughly impregnated against rapid ignition and it may be used as a heat insulator up to 230 deg. fahr.

Torfoleum can be nailed and it can be cut with a knife or saw. Its application is very simple and can be done by anyone familiar with this type of work.

Torfoleum is made in sheets 12 by 32 in. or 19½ by 39 in., in thicknesses of 1, 1½, 2, 3, 4 and 6 in.; it is packed in cartons containing about 64 board feet and weighing approximately 70 lb.

ALFOL HEAT INSULATION

Patented in 30 Countries

The heat resistance of Alfol All-Metal Insulation is obtained by the heat reflecting power of the bright metallic surfaces. This material as applied is extremely light, weighing less than 3 oz. per cubic foot. The conductivities for various mean temperatures are as follows:

Mean Temperature—Degrees Fahrenheit	Conductivity—Btu per hour per square foot per degree Fahrenheit per inch thickness
122	0.335
212	0.383
392	0.520
572	0.665

With the use of Alfol All-Metal Insulation, there is no dirt or dust. It is vermin-proof, odorless and non-inflammable. Also durable, easily removed and replaced, and unaffected by vibrations.

The Stewart INSOBOARD Corporation

DEPENDABLE BUILDING INSULATION

Manufacturers of Dependable Building Insulation

St. Joseph, Missouri

PRODUCTS

InsoBoard and InsoLath, structural insulating board made of wheat straw fiber, for home, factory, hotel, apartment, office buildings, farm buildings, refrigerators and refrigerator cars, cold storage plants, etc.

Made from the long, tough, sterilized fibers of wheat straw, interlaced into flawless, sturdy panels 7/16 of an inch thick, 48 in. wide and 6 to 12 ft. long, INSOBOARD is



used as sheathing or wall board. It adds structural strength as well as insulation and does not increase building costs, because it replaces boxing, lath or other materials. The labor cost of installing INSOBOARD is less because it is easier and more quickly applied than other materials.

Its chief use is for the reduction of fuel bills in winter and for the minimizing of summer heat in the home. Fuel costs are reduced with INSOBOARD insulation. INSOBOARD also is effective as sound-proofing material and it retards fire as well.

It insures warm floors and keeps a house free from dampness and draughts. INSOBOARD is used, not only in new construction, but for the remodeling of old homes, to prevent heat losses through the roof. Time and the elements have no effect on it, submersion tests having shown the tendency to warp and buckle to be negligible.

InsoLath is made of the same material as INSOBOARD except that it is shiplapped and takes the place of ordinary wood lath as a plaster base. It possesses the same insulating and sound deadening qualities as INSOBOARD, and provides a continuous plastering surface, thus doing away with lath marks, cracking of walls and ceiling, and stains through plaster. Plaster is applied direct to the surface of INSOLATH and holds better because the bond between INSOLATH and plaster is stronger than the key of plaster and wood lath.

The Stewart INSOBOARD Corporation has submitted INSOBOARD to the two standard methods of testing the conductivity of insulating material and finding the exact loss of heat through that material.

The "flat-plate" test was used in tests of INSOBOARD by G. F. Gebhardt, Mechanical Engineer of the Armour Institute of Technology at Chicago an internationally known and recognized authority on insulation values. The flat plate conductivity of INSOBOARD is 0.33 Btu per hour per square foot per degree Fahrenheit per one inch thickness, based on a density of 17 lb per cubic foot and a mean temperature of 68 F.

The result of these tests by this disinterested authority proves that INSOBOARD possesses a high degree of insulating efficiency and should be specified on jobs calling for maximum structural insulation.