

HAGAN Mfg. Company, DELPHOS, OHIO

INSULATION and APPLICATION NEEDS PREFERRED BY MANY IN THE ELECTRIC HEATING INDUSTRY—

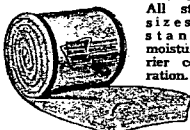


BLOWING WOOL

K Factor 0.24 Positive chemical production control provides permanent protection, fire resistance, rodent and vermin resistance. Harmless to handle. Pressure atomization process for consistent density and texture. First grade cellulose material.

BLANKETS

K Factor 0.24 Lightweight, resilient, moisture and vermin resistant. All standard sizes and standard moisture barrier configuration.



SILL PADS

Designed for easy application around high heat loss windows and door framing.



MOISTURE PROOF PAINT

Ready mixed waterproof paint for exterior or interior use on concrete, cinder block, stucco or unpainted masonry basement walls.



POLYETHYLENE FILM

Heat sealable, waterproof, rot-proof, —resists acids, alkalies, flames and tears. .002", .004" and .006" thickness in 8' x 200' to 20' x 100' sizes. Can be taped, sewed, sealed or grommetted.

WHY IT IS USED

INSULATED SURFACE	U Factor	Watts Factor
BLOWN MATERIAL		
Ceiling with 6"	.038	.011
Ceiling with 4"	.055	.016
Frame walls with 3 5/8"	.059	.017
BATT MATERIAL		
Knee Walls with 3 5/8"	.063	.018
Double wood floor with 2"	.088	.027
Double wood floor with 3"	.065	.019
POLYSTYRENE FOAM		
8" block wall,		
2" HAGAN-FOAM,	.098	.029
1/2" plaster		
Cavity wall:		
8" block		
2" HAGAN-FOAM,	.097	.028
4" face brick		

These coefficients, from HAGAN products, provide LOWER ELECTRIC HEAT OPERATING COSTS. Products proved in thousands of electrically heated homes and commercial buildings.

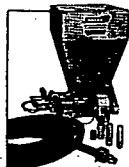
NEW...HAGAN* FOAM expendable polystyrene

Lightweight, and excellent vapor barrier, durable and permanent, strong, non-shrinking. No special installation tools required.



HAGAN MODEL J or J2* BLOWER...PORTABLE, 110 VOLT

- 1 HP Tornado Blower motor, 1/3 HP agitator motor, controlled air flow. Moves 25 bags per hour.
- Airtight shut-off nozzle.
- 20 years of HAGAN experience perfected this applicator package for cellulose material. Complete with hole saws, couplings, 75 ft. hose, nozzle, etc. Package complete.
- All wiring properly protected from damage due to rough handling.
- Operation instruction manual included.
- J2 Model with remote control.



RELATIVE HUMIDITY CONTROL SYSTEMS FOR IDEAL LIVING CLIMATE

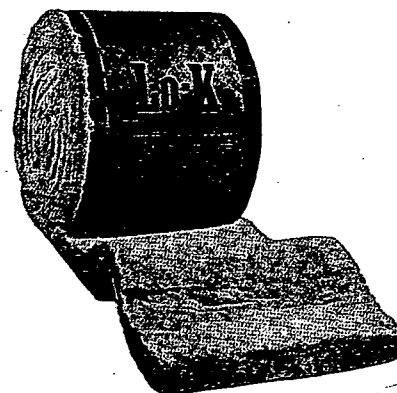
1. Maintain safe, healthy humidity.
2. Prevent window steaming.
3. Prevent winter mildew.
4. Prevent wall and ceiling sweating.
5. Prevent paint peeling caused by interior moisture.
6. Allows the insulation to do a better job by keeping it dry.
7. The fan naturally expels cooking grease and reduces cleaning cost and effort.



Lockport Mills, Inc.

Dept. C Lockport, N.Y.

Thermal and Acoustical
INSULATION



Thermal Conductivity—The "k" value for cotton is 0.24 Btu/hr/sq ft/degree F/inch. (See table.)

Light Weight—Weight of 1 cu ft is 3/8 lb. (See table.)

Flame-Proofed—Withstands 1800F blow torch heat.

Moisture-Resistant—Chemical treatment, combined with natural protective coating on cotton fibres, enables cotton to effectively resist moisture. Prevents rot and mildew.

Smooth Texture—No sharp particles to irritate the skin.

Easy to Warehouse and Handle. Offers far more "compressibility." Requires one-third the trucking and warehouse space of ordinary insulation.

Simple and Economical to Install. Saves from 25 to 40 percent in costs.

Designed to Maintain Maximum Utility. Resists all types of deterioration. Won't sag or settle. Packaged in Rolls.

INSULATING VALUE OF VARIOUS INSULATORS*

The coefficients of conductivity (k value) are expressed in Btu per hour per square foot per degree Fahrenheit per 1 in. of thickness.

Type of Insulation	Wgt. per Cu Ft	k Value
Cotton: Insulating Batt.....	.875	0.24
Rock Wool: Fibrous material made from rock.....	10.00	0.27
Mineral Wool: Fibrous material made from mineral slag.....		0.27
Glass Wool: Fibrous material made from glass slag.....	1.50	0.27
Rigid Insulation made from sugar cane fibre.....	13.50	0.33
Chemically treated wood fibre between layers of paper.....	3.62	0.25
Eel grass between layers of paper.....	3.40	0.25
Stitched and creped expanding fibrous blanket.....	1.50	0.27
Shavings: Various from planer.....	8.80	0.41
Corkboard: No binder added.....	7.00	0.27
Rigid insulation made from wood fibre.....	15.90	0.33

* Compiled from Chapter 9, 1954 Edition.
* "k" indicates temperature conductivity.

Five featured types to meet every insulation need: (1) **OPEN BLANKET** backed by tough, waterproof, asphalt-coated kraft paper to form an effective vapor barrier. (2) **ENCLOSED BLANKET.** Insulation completely enclosed in envelope, asphalt-coated paper on one side, porous or "breather" type paper on other. (3) **OPEN ALUMINUM FOIL.** All the features of Open Type (1) plus the extra value of aluminum foil backing. Effective vapor barrier... stops 90 percent of radiant heat. (4) **ENCLOSED ALUMINUM FOIL.** Superior in insulation plus values and thermal efficiency. (5) **DOUBLE FOIL,** aluminum foil on top and back, plus superior Lo-K Blanket efficiency for tops in insulating value.

Lockport's TEMP-LO

A New Type of Semi-Rigid Insulation

Improved processing makes possible a new and better semi-rigid blanket with greater thermal efficiency and ease of installation. It is light in weight, nonirritating and made in all standard sizes, styles and backings.

Distributing agencies now being established. Write for details.