

141 Milk Street

Samuel Cabot
Incorporated

Boston, Mass.

101 PARK AVENUE, NEW YORK

Manufacturing Chemists

5000 BLOOMINGDALE AVE., CHICAGO

Agents in All Principal Cities

Cabot's
Heat-Insulating, Sound-Deadening
"Quilt"



For insulating walls and roofs of buildings against cold in winter and heat in summer. For insulating cold storage and ice houses, refrigerators, air conditioned trains, etc.

For sound-proofing partitions, floors and ventilating ducts.

High Insulation Value—Cabot's "Quilt" has an insulation value of inch for inch, excelled or equalled by only two other insulators.

U. S. Bureau of Standards—Letter Circular No. 227, reporting tests of numerous insulating materials, gives Cabot's "Quilt" a Thermal Conductivity rating of 0.25 per inch of thickness.

Permanent—Cabot's "Quilt" will last as long as the building. It will not pack down, disintegrate, rot or harbor insects or vermin. It is not injured by water or frost.

Fire Resistant—Standard "Quilt" is naturally fire resistant. Anti-Pyre "Quilt" meets rigid requirements of fireproof construction.

Flexible—Easily Installed—"Quilt" is flexible, fits into corners and round projections without cracking. Requires no costly special preparation or smoothing of walls or floors. Easily adaptable to lining or covering ventilating ducts.

Types—Standard "Quilt," with Kraft covers; Anti-Pyre "Quilt," with specially treated non-inflammable Kraft covers; Asbestos "Quilt," with asbestos covers; Waterproof "Quilt," with waterproof paper covers.

Widths—"Quilt" is made in 36" and 18" widths. 18" "Quilt" is quickly applied between studs and roof rafters.

Thicknesses—Cabot's "Quilt" is made in Single-Ply (X), about $\frac{1}{8}$ " thick. Double-Ply (XX), about $\frac{1}{4}$ " thick. Triple-Ply (XXX), about $\frac{3}{8}$ " thick; and Inch "Quilt," about 1" thick.

Tests—Conducted by Prof. Gordon B. Wilkes, of the Massachusetts Institute of Technology, show heat savings by the use of Cabot's "Quilt."

CONSTRUCTION WALL	Conductivity			Percentage Heat Saving
	Uninsulated	Insulated with Cabot's Double Ply "Quilt"	Insulated with Cabot's Single Ply "Quilt"	
Clapboard, studding.....	0.70	0.26	0.21	63
Clapboard, studding, lath, plaster.....	0.44	0.21	0.21	52
Clapboard, sheathing, studding, lath, plaster.....	0.28	0.16	0.16	43
8 in. brick.....	0.40	0.20	0.20	50
8 in. brick, furring, lath, plaster.....	0.27	0.16	0.16	41
4 in. tile, stucco, outside, plaster inside.....	0.40	0.20	0.20	50
12 in. concrete.....	0.46	0.21	0.21	54
Corrugated iron.....	1.50	0.32	0.32	79
12 in. stone.....	0.49	0.22	0.22	55
12 in. concrete, furring, lath, plaster.....	0.40	0.20	0.20	50
Stucco, studding, plaster.....	0.45	0.21	0.21	53
ROOF	Conductivity			Percentage Heat Saving
	Uninsulated	Insulated with Cabot's Double Ply "Quilt"	Insulated with Cabot's Single Ply "Quilt"	
Tar, gravel on 4 in. concrete.....	0.60	0.24	0.24	60
Metal on tongue and groove sheathing.....	0.42	0.20	0.20	52
Corrugated iron on wood frame.....	1.80	0.32	0.32	82
Tile or slate on wood sheathing.....	0.82	0.27	0.27	67
Tar, gravel, tar paper, 2 in. wood plank.....	0.26	0.16	0.16	39
Shingles, sheathing, studding, lath, plaster.....	0.30	0.17	0.17	43
Wood shingles on shingle lath.....	0.64*	0.24	0.24	63

*Average value from Jones' tables, *The Heating and Ventilating Magazine*.

The cost of Cabot's "Quilt" is so low, for material and application, that the resulting smaller Heating Equipment required usually more than pays for entire insulation. Thereafter there is a yearly fuel saving.

The Eagle-Picher Lead Company

General Offices: Temple Bar Building, Cincinnati, Ohio

Offices in All Large Cities



EAGLE INDUSTRIAL INSULATION

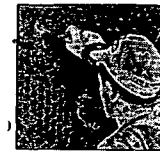
The Eagle-Picher Lead Company manufactures a complete line of industrial insulation materials, effective for a complete range of temperatures. Representative products are:

Eagle "66" Plastic Insulation

For application on practically all forms of heat producing and heat transferring equipment. "Springy ball" construction provides remarkable heat-saving efficiency up to 1800 F. Easily applied with a trowel. May be applied on any clean surfaces. Great coverage—50 sq. ft. 1 in. thick per 100 lb. 100 per cent reclaimable.

Eagle Blanket Insulation

Eagle Insulating Wool felted and secured between metal fabrics. For large surfaces where temperatures reach as high as 1200 F. Available in flexible or rigid form. Easy to cut and fit. Sizes—2 ft x 4 ft and 2 ft x 8 ft. Thicknesses range between 1 in. and 8 in.



Eagle "66" quickly applied with a trowel on hot and cold surfaces

Eagle Asbestos Cements

Inexpensive asbestos fibre cements of good mixing, trowelling and adhesive properties. For temperatures up to 1000 F.

Eagle Insulseal (Waterproofing Cement)

Durable coating designed to protect all kinds of insulation from moisture, water, air infiltration, fumes; from vibration, abrasion. Ready mixed, easily and quickly applied.

Eagle "99" Finishing Cement

Gives exposed surface of insulation a firm, smooth white finish. Adheres to hot or cold surfaces. Will not crack, break, peel off. Easy to paint.

Data and Specifications

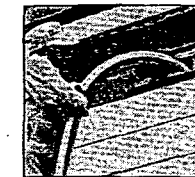
For complete specifications and technical data on Eagle Industrial Insulation, see Sweet's Engineering or Power Plant Catalog.

EAGLE HOME INSULATION

The Eagle-Picher Lead Company manufactures two types of "mineral wool" insulation for homes: (1) in granulated form for pneumatic application in new and existing construction. (2) in bat form for new construction.

Both types are wall-thick, non-structural, extremely light-weight, non-corrosive, fire-proof—with thermal conductance (in applied thickness of $3\frac{1}{2}$ in.) of only 0.074 Btu. (The over-all conductance would be considerably lower).

Eagle Home Insulation keeps homes cooler in summer (12 to 15 deg cooler than outdoor temperatures), and warmer in winter (fuel saving range between 10 and 40 per cent).



Eagle Insulating Wool easily blown into spaces between wall studs

For Pneumatic Application

In granulated form, Eagle Insulation is blown into hollow spaces between wall studs and between joists in the attic floor by a special pneumatic process. No building alterations are necessary, whether the house is of frame, brick or stucco construction. No muzzing up inside. Work is done by skilled contractors, licensed by Eagle-Picher.

Bat Form

Eagle Insulating Bats are rectangular pads 15 in. x 18 in. x $\frac{3}{4}$ in., designed to fit snugly between studding and joists. Irregular spaces around doors and windows filled by cutting bats to exact size.



Eagle wall-thick bats quickly installed in new construction

Data and Specifications

For complete specifications and technical data on both types of Eagle Home Insulation, see Sweet's Architectural Catalog.