The Pacific Lumber Company

100 Bush Street, San Francisco 4, Calif.

35 East Wacker Drive, Chicago 1, Ill.

PALCO INSULATION WOOL

PROVIDES EFFICIENT INSULATION

PALCO INSULATION BOARD

TRADE MARK

INSULATION THICKNESS—Ceiling insulation should be at least 4 in. thick. We recommend 6 in. thickness, giving 50 per cent more insulation at little added cost. Radiant heating system manufacturers insist on 6 in. thickness for maximum efficiency and economy. Insulation in walls should be full stud thickness. Below are typical ceiling sections showing U values for various thicknesses of PALCO WOOL Insulation:



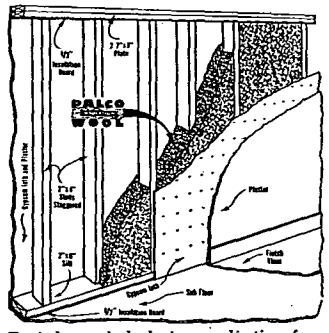
U = 0.047 — Ceiling joists, sheetrock, full 6 in. thickness PALCO WOOL Insulation over joists.



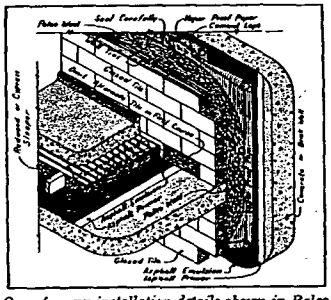
U = 0.0631 — Ceiling joists, sheetrock, full 4 in. thickness PALCO WOOL Insulation over joists.



U = 0.080 — Ceiling joists, sheetrock, 3 in. thickness PALCO WOOL Insulation between joists.



Typical sound deadening application from Palco Wool Home Insulation Manual



One of many installation details shown in Palco Wool Cold Storage Manual

9 PROVED QUALITIES

High thermal efficiency—K factor of only 0.26 Btu.
Non-settling and non-compacting.
Flame proof—fire resistant.
Moisture resistant.
Odorless—won't give off odors.
Permanent—will outlast structure.
Non-attractive to vermin or insects.
Economical—initial low cost, high insulating efficiency.
Resilient—springy structure gives better sound absorption.



WRITE FOR THESE TECHNICAL AIDS

HOME INSULATION MANUAL—home, commercial sound deadening applications.
COLD STORAGE MANUAL—construction details, all types of cold storage.
LOCKER PLANT MANUAL—plans, material lists, construction details.
FARM PRODUCE STORAGE PLANS for fruit and vegetable storage.
FIELD TEST DATA—complete reports on impartial studies of Palco Wool in actual use.

United States Gypsum Company

General Offices: 300 W. Adams Street, Chicago 6, Ill.

INSULATION PRODUCTS

Blanket Type Structural



RED TOP* INSULATING WOOL BLANKETS

Blankets are enclosed, ends are mill cut. Face of enclosure is a glossy asphalted paper which forms a continuous vapor barrier because width of nailing flanges allows overlapping. Permeability factor, 1.00 Perm. RED TOP blankets have high thermal resistance (see table). They are incombustible; uniformly effective; vermin and deterioration resistant; light in weight; highly resilient.

PRODUCT DATA—ENCLOSED BLANKETS

Approx. Thickness	Framing Spacing	Length	Approx. Wt per Sq Ft	Conductance (1)		Resistance	
				(k)	(C)	1/k	1/C
Medium 2″	16″, 20″	24″, 48″, 96″	0.58 lbs	0.27	0.135	3.70	7.40
Thick 3″	or 24″	24″, 48″, 96″	0.87 lbs	0.27	0.090	3.70	11.10
Economy 1½″	O.C.	96″	0.48 lbs	0.27	0.180	3.70	5.55

(1) Expressed in Btu per sq ft per hour per degree F temperature difference. (k) is per inch thickness, (C) is for thickness stated.

USG* INSULATING SHEATHING

An insulating, moisture-resistant exterior wall sheathing. The 2 ft x 8 ft size is $^{25}/_{32}$ in. thick with long edges tongued and grooved. Heat conductance for thickness stated is 0.42 and heat resistance is 2.37.

Other sizes, 4 ft wide by 8 ft, 9 ft, 10 ft or 12 ft long, have square edges and are either $^{25}/_{32}$ in. or ½ in. thick.

USG $^{25}/_{32}$ in. Insulating Sheathing has greater bracing and stiffening strength than conventional narrow sheathing units placed horizontally. USG $^{25}/_{32}$ in. sheathing, 4 ft wide, meets structural



requirements established in *F.H.A.* Circular No. 12, allowing use of sheathing without diagonal bracing. The 2 ft x 8 ft size has long edges tongued and grooved, and ends are joined over supports, thus making wind-tight joints possible without the use of building paper.

USG ROOF INSULATION

Internally treated to make it moisture resistant, USG Roof Insulation is supplied in 23 in. x 47 in. size with square edges. Both plain fiber and asphalt treated are available in ½ in., 1 in., 1½ in. and 2 in. thicknesses to meet varied insulation requirements.

* T.M. Reg. U.S. Pat. Off.