

United States Gypsum Company

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

INSULATION PRODUCTS

Blanket

Decorative

Structural

Blanket



Red Top Insulating Blanket

RED TOP INSULATING BLANKETS

Made in three thicknesses: one inch, medium and thick, in rolls of 125, 75 and 50 square feet (net area), respectively. Also available in bats 3 feet long in same thicknesses. Light-weight *RED TOP INSULATING WOOL blanket is wrapped in an efficient asphalt-type vapor barrier toward warm side and a tough, perforated, vapor permeable paper on cold side, which prevents possible accumulation of moisture within blanket.

*Red Top Insulating Wool is a Fibreglas product Patent No. 345156.

Decorative



Decorative

WEATHERWOOD PLANK—Manufactured in widths of 8, 10, 12 and 16 inches and in lengths 6, 8, 10 and 12 feet, 1/2 inch thick. "Ogee" edge on long edges (see cut) conceals nails and fully compensates for movement in the board because of expansion or contraction. Shipped in a blend of gray and tan shades in bundles of one size. When combined in variations in shade and width, Weatherwood Plank produce maximum values in both insulation and decoration.



Ogee Edge

WEATHERWOOD TILE—Available in the following sizes: 12 x 12 inches, 12 x 24 inches, 16 x 16 inches and 16 x 32 inches in 1/2 inch, 3/4 inch and 1 inch thicknesses and 12 x 48 inches, 24 x 48 inches, 24 x 96 inches, 48 x 48 inches and 48 x 96 inches in 3/4 inch only. The "Ogee" design on all edges enhances the decorative effect. Applied by either nailing or through use of adhesives.

Structural



WEATHERWOOD SHEATHING—2 feet x 8 feet x 2 3/4 inches thick, asphalt coated tongued and grooved for horizontal application, also available in 4 x 8, 4 x 9, 4 x 10 and 4 x 12 feet in either 1/2 inch or 2 3/4 inches thickness.

WEATHERWOOD BUILDING BOARD—4 feet wide, made in lengths 6, 7, 8, 9, 10 and 12 feet, 1/2 inch thick in either Ivory or Tan shades. Nailed to studs and joists; effectively insulates and decorates.

WEATHERWOOD INSULATING LATH—18 x 48 inches, with "V" edge joint. The excellent bond between the fibrous board face and the plaster eliminate necessity for plaster keys.

ROOF INSULATION—In sheets 22 x 47 inches—1/2, 1, 1 1/2 and 2 inches thick. All but the 1/2 inch size are supplied laminated with either square or "ship-lapped" edges.

Heat Loss Factors

The heat loss factors shown on the opposite page indicate the comparative insulation value of various insulating treatments included in common construction systems.

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NOTE: These figures apply to 1 story buildings. To get figures for 2 story homes add 20 per cent to the values below for the wall constructions and divide by one-half for floor and ceiling constructions. It is important to use correct factor due to variations in the ratio of wall and window areas.

WALLS				
Basic Construction—Frame Wood Siding Wood Sheathing 2 x 4's Rocklath & Plaster				
	No Wool Between Studs	Adding Red Top Wool		
		1"	2"	3"
Basic Construction	.248	.120	.083	.064
Substituting in Above Basic Const.				
a. 3/4" WW Sheathing	.186	.105	.076	.059
b. 1/2" WW Plaster Base	.183	.103	.076	.059
c. 1/2" WW Plaster Base	.157	.094	.069	.055
d. 1" WW Plaster Base	.143	.088	.067	.054
e. 3/4" WW Sheathing and 1/2" WW Plaster Base	.147	.090	.068	.054
f. 1/2" WW Bldg. Bd., Tile or Plank	.187	.104	.077	.059
g. 3/4" Bldg. Bd., or Tile	.160	.095	.070	.056
h. Gyplap Sheathing	.310	.135	.090	.068
i. 1/2" Sheetrock	.260	.123	.085	.064
j. Gyplap Sheathing and 1/2" Sheetrock	.330	.136	.091	.069

WALLS				
Basic Construction—Brick Veneer 4" Brick Wood Sheathing 2 x 4's Rocklath & Plaster				
	No Wool Between Studs	Adding Red Top Wool		
		1"	2"	3"
Basic Construction	.270	.125	.085	.065
Substituting in Above Basic Const.				
a. 3/4" WW Sheathing	.202	.111	.078	.061
b. 1/2" WW Plaster Base	.200	.107	.077	.060
c. 1/2" WW Plaster Base	.178	.102	.073	.058
d. 1" WW Plaster Base	.157	.094	.070	.055
e. 3/4" WW Sheathing and 1/2" WW Plaster Base	.162	.095	.070	.055
f. 1/2" WW Bldg. Bd., Tile or Plank	.215	.112	.079	.061
g. 3/4" WW Bldg. Bd. or Tile	.187	.104	.075	.059
h. Gyplap Sheathing	.350	.128	.087	.066
i. 1/2" Sheetrock	.288	.130	.088	.066
j. Gyplap Sheathing and 1/2" Sheetrock	.368	.142	.093	.069

WALLS				
Basic Construction 8" Brick Wall—4" Face Brick and 4" Common Brick—No interior finish				
	No Wool Between Studs*	Adding Red Top Wool**		
		1"	2"	3"
Basic Construction	.500	..	..	..
Adding to Above Basic Const.				
a. 1/2" Plaster	.480	..	..	..
b. Rocklath and Plaster (Furred)	.300	.143	.093	.069
c. 1/2" WW Plaster Base and Pl. (Furred)	.220	.121	.084	.064
d. 3/4" WW Plaster Base and Pl. (Furred)	.190	.112	.079	.061
e. 1" WW Plaster Base and Pl. (Furred)	.160	.101	.073	.058
f. 1/2" WW Bldg. Bd., Tile or Plank	.230	.124	.085	.065
g. 3/4" WW Bldg. Bd., Tile or Plank	.200	.115	.081	.062
h. 1" WW Bldg. Bd., Tile or Plank	.170	.104	.075	.059
i. 1/2" Sheetrock Furred	.320	.146	.095	.070

*Based on 3/8" Furring Strip **Based on Full Dimension

WALLS				
Basic Construction—Plywood Plywood on Wood Studs 3/4" Outside—1/4" Inside with one Air Space Over 3/4"				
	No Wool Between Studs	Adding Red Top Wool		
		1"	2"	3"
Basic Construction	.431	.151	.095	.074
Substituting in Above Basic Const.				
a. 1/2" WW Bldg. Bd., Tile or Plank	.275	.126	.087	.065
b. 3/4" WW Bldg. Bd. or Tile	.230	.115	.081	.062
c. 1" WW Bldg. Bd. or Tile	.196	.106	.076	.060
d. 3/4" Sheetrock	.430	.151	.095	.074
e. 1/2" Sheetrock	.413	.148	.095	.074
f. Adding to basic construction 3/4" WW Sheathing	.218	.113	.080	.061

CEILINGS				
Basic Construction 3/4" Rocklath and 1/2" Plaster				
	No Wool Between Joists	Adding Red Top Wool		
		1"	2"	3"
Basic Construction	.610	.169	.116	.080
Substituting in Above Basic Const.				
a. 1/2" WW Plaster Base & Plaster	.329	.136	.091	.068
b. 1/2" WW Plaster Base & Plaster	.290	.128	.087	.066
c. 1/2" WW Plaster Base & Plaster	.213	.110	.079	.061
d. 1/2" WW Bldg. Bd., Tile or Plank. No Plaster	.356	.139	.092	.067
e. 3/4" WW Bldg. Bd. or Tile	.268	.124	.086	.065
f. 1/2" WW Bldg. Bd. or Tile	.220	.113	.080	.062
g. 1/2" Sheetrock	.670	.174	.118	.089
h. 1/2" Sheetrock	.635	.170	.115	.079

FLOORS				
Basic Construction Maple or Oak Flooring on Yellow Pine Sub-Flooring				
	No Wool Between Joists	Adding Red Top Wool		
		1"	2"	3"
Basic Construction	.340	.138	.091	.068
Adding to Above Basic Const.				
a. 1/2" WW Bd. on bottom of joists	.180	.102	.075	.059
b. 3/4" WW Bd. on bottom of joists	.158	.094	.070	.055
c. 1" WW Bd. on bottom of joists	.141	.088	.066	.053

Above calculations based on data from A.S.H.V.E. GUIDE—1942.