

United States Gypsum Company

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

INSULATION PRODUCTS

Blanket

Decorative

Structural

Blanket



Red Top Insulating Blanket
A Fibreglass Product

RED TOP INSULATING BLANKETS—Made for standard framing in three thicknesses: one inch, medium and thick, in rolls of 125, 75 and 50 sq ft respectively. Also available in bats 3 ft long in same thicknesses. Light-weight *RED TOP INSULATING WOOL blanket is enclosed with an asphalt-type vapor barrier front side and a vapor permeable paper on the back side. This is to resist accumulation of moisture within blanket.

Decorative



Decorative

WEATHERWOOD* PLANK—Manufactured in widths of 8, 10, 12 and 16 inches and in lengths 6, 8, 10 and 12 feet— $\frac{1}{2}$ inch thick. The "Ogee" tongue and groove on the long edges (see cut) conceals nails and seals against dust and air infiltration. Weatherwood Plank is made in Blendtex (gray and tan blends) and Hilite (ivory) colors. When combined in variations of shades and width, Weatherwood Plank produces maximum values in both insulation and decoration.



Ogee Edge

*Red Top Registered Trademark.

WEATHERWOOD TILE—Available in 12 x 12, 12 x 24, 16 x 16 and 16 x 32 inches in $\frac{1}{2}$ and 1 inch thicknesses. Colors are Blendtex (gray and tan blends) and Hilite (ivory).

WEATHERWOOD PANELTILE—Hilite color available in 12 x 24, 16 x 32, 12 x 48, 24 x 48, 48 x 48, 48 x 96 and 24 x 96 inches in $\frac{1}{4}$ inch thickness. Blendtex colors available in 12 x 24, 16 x 32, 12 x 48 and 24 x 48 inches. Tile sizes 12 x 24, 16 x 32 and 24 x 48 inches can be mill cross scored to represent $\frac{1}{2}$ inch Tile dimensions. Dimensions (see above). All tile have "Ogee" tongue and groove edges.

Structural



WEATHERWOOD SHEATHING—Asphalt coated. 2 feet x 8 feet x $\frac{25}{32}$ inches thick, with tongue and grooved long edges for horizontal application. Also available in 4 x 8, 4 x 9, 4 x 10 and 4 x 12 feet in either $\frac{1}{2}$ inch or $\frac{25}{32}$ inches thickness with square edges for vertical application.

WEATHERWOOD BUILDING BOARD—4 feet wide, made in lengths 6, 7, 8, 9, 10 and 12 feet, $\frac{1}{2}$, $\frac{3}{4}$ and 1 inch thick in either ivory or gray tan colors. Applied by nailing; effectively insulates, strengthens and decorates.

WEATHERWOOD INSULATING LATH—18 x 48 inches x $\frac{1}{2}$ inch thick with V joint on long edges. Gives an excellent plaster bond and also acts as a cushion for plaster with sound deadening qualities.

ROOF INSULATION—In sheets 22 x 47 inches— $\frac{1}{2}$, 1, $1\frac{1}{2}$ and 2 inches thick. All but the $\frac{1}{2}$ 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.

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. $\frac{1}{2}$ " WW Sheathing	.186	.105	.076	.059
b. $\frac{1}{2}$ " WW Plaster Base	.183	.103	.076	.059
c. $\frac{1}{2}$ " WW Plaster Base	.157	.094	.069	.055
d. $\frac{1}{2}$ " WW Plaster Base	.143	.088	.067	.054
e. $\frac{3}{4}$ " WW Sheathing and $\frac{1}{2}$ " WW Plaster Base	.147	.090	.068	.054
f. $\frac{1}{2}$ " WW Bldg. Bd., Tile or Plank	.187	.104	.077	.059
g. $\frac{3}{4}$ " Bldg. Bd., or Tile	.160	.095	.070	.056
h. Gyplap Sheathing	.310	.155	.090	.068
i. $\frac{1}{2}$ " Sheetrock	.260	.123	.085	.064
j. Gyplap Sheathing and $\frac{1}{2}$ " Sheetrock	.330	.136	.091	.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. $\frac{1}{2}$ " Plaster	.480	..	..	..
b. Rocklath and Plaster (Furred)	.300	.143	.093	.069
c. $\frac{1}{2}$ " WW Plaster Base and Pl. (Furred)	.220	.121	.084	.064
d. $\frac{1}{2}$ " WW Plaster Base and Pl. (Furred)	.190	.112	.079	.061
e. $\frac{1}{2}$ " WW Plaster Base and Pl. (Furred)	.160	.101	.073	.058
f. $\frac{1}{2}$ " WW Bldg. Bd., Tile or Plank	.230	.124	.085	.065
g. $\frac{3}{4}$ " WW Bldg. Bd., Tile or Plank	.200	.115	.081	.062
h. $\frac{1}{2}$ " WW Bldg. Bd., Plank or Tile	.170	.104	.075	.059
i. $\frac{1}{2}$ " Sheetrock Furred	.320	.146	.095	.070
*Based on $\frac{1}{8}$ " Furring Strip **Based on Full Dimension				

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

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. $\frac{1}{2}$ " WW Sheathing	.202	.111	.078	.061
b. $\frac{1}{2}$ " WW Plaster Base	.200	.107	.077	.060
c. $\frac{1}{2}$ " WW Plaster Base	.178	.102	.073	.058
d. $\frac{1}{2}$ " WW Plaster Base	.157	.094	.070	.055
e. $\frac{3}{4}$ " WW Sheathing and $\frac{1}{2}$ " WW Plaster Base	.162	.095	.070	.055
f. $\frac{1}{2}$ " WW Bldg. Bd., Tile or Plank	.215	.112	.079	.061
g. $\frac{3}{4}$ " WW Bldg. Bd. or Tile	.187	.104	.075	.059
h. Gyplap Sheathing	.350	.128	.087	.066
i. $\frac{1}{2}$ " Sheetrock	.288	.130	.088	.066
j. Gyplap Sheathing and $\frac{1}{2}$ " Sheetrock	.368	.142	.093	.069

WALLS				
Basic Construction—Plywood Plywood on Wood Studs $\frac{1}{8}$ " Outside— $\frac{1}{4}$ " Inside with one Air Space Over $\frac{1}{4}$ "				
	No Wool Between Studs	Adding Red Top Wool		
		1"	2"	3"
Basic Construction	.431	.151	.095	.074
Substituting in Above Basic Const.				
a. $\frac{1}{2}$ " WW Bldg. Bd., Tile or Plank	.275	.126	.087	.065
b. $\frac{3}{4}$ " WW Bldg. Bd. or Tile	.230	.115	.081	.062
c. $\frac{1}{2}$ " WW Bldg. Bd. or Tile	.196	.106	.076	.060
d. $\frac{1}{2}$ " Sheetrock	.430	.151	.095	.074
e. $\frac{1}{2}$ " Sheetrock	.413	.148	.095	.074
f. Adding to basic construction $\frac{3}{4}$ " WW Sheathing	.218	.113	.080	.061

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. $\frac{1}{2}$ " WW Bd. on bottom of joists	.180	.102	.075	.059
b. $\frac{1}{2}$ " WW Bd. on bottom of joists	.158	.094	.070	.055
c. $\frac{1}{2}$ " WW Bd. on bottom of joists	.141	.088	.066	.053

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