United States Gypsum Company

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

INSULATION PRODUCTS

Batt **Decorative** **Structural**

RED TOP* INSULATION WOOL



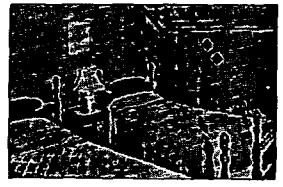
Red Top Batt

RED TOP MINERAL WOOL BATTS

"k" Valve .27 Btu's

Made for standard (16 in. or 24 in. O.C.) framing in two thicknesses, Medium (Approx. 2 in.) and Thick (Approx. 3 in.). Lengths are either 24 in. or 48 in. Batts are provided with an efficient vapor barrier paper providing nailing flanges for easy application. Adequately packed to insure material will arrive at the job in good condition.

Decorative



Decorative

WEATHERWOOD* PLANK—Manufactured in widths of 8, 10, 12 and 16 inches and in lengths 6, 8, 10 and 12 feet—½ inch thick. The fitted edges (see cut) conceal nails and seal 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.



Tile and Plank Fitted Edge

*Reg. U. S. Pat. Off.

WEATHERWOOD TILE—Available in 12 x 12, 12 x 24, 16 x 16 and 16 x 32 inches in ½ and 1 inch thicknesses. Colors are Blendtex (gray and tan blends) and Hilite (ivory).

WEATHERWOOD PANELTILE—Hilite color available in 12 x 24 and 16 x 32 inches in ¾ inch thickness. Blentex colors available in 12 x 24 and 16 x 32 inches. Tile sizes 12 x 24 and 16 x 32 inches can be mill cross scored to represent ½ inch Tile Dimensions. All tile have fitted 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 ½ inch or $\frac{25}{32}$ inches thickness with square edges for vertical application.

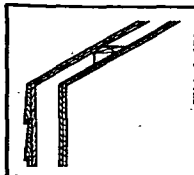
WEATHERWOOD BUILDING BOARD—4 feet wide, made in lengths 6, 7, 8, 9, 10 and 12 feet, ½, and 1 inch thick in either ivory or gray tan colors. Applied by nailing; effectively insulates, strengthens and decorates.

WEATHERWOOD INSULATING LATH—18 x 48 inches x ½ and ¾ 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.

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.

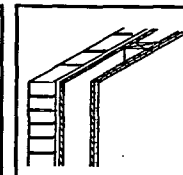
NOTE: These figures apply to 1 story buildings. To get figures for 2 story homes add 20 per cent to the values below for the wall constructions and divide by one-half for floor and ceiling constructions. It is important to use correct factor due to variations in the ratio of wall and window areas.



WALLS

Basic Construction—Frame
Wood Siding
Wood Sheathing
2 x 4's
Rocklath & Plaster

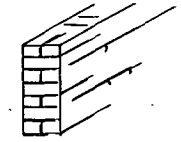
	No Wool Between Studs	Adding Red Top Wool 1"	2"	3"
Basic Construction	.248	.120	.083	.064
Substituting in Above Basic Const.				
a. $\frac{25}{32}$" WW Sheathing	.186	.105	.076	.059
b. ½" WW Plaster Base	.183	.103	.076	.059
c. ¾" WW Plaster Base	.157	.094	.069	.055
d. 1" WW Plaster Base	.143	.088	.067	.054
e. $\frac{25}{32}$" WW Sheathing and ½" WW Plaster Base	.147	.090	.068	.054
f. ½" WW Bldg. Bd., Tile or Plank	.187	.104	.077	.059
g. ¾" Bldg. Bd., or Tile	.160	.095	.070	.056
h. Gyplap Sheathing	.310	.135	.090	.068
i. ½" Sheetrock	.260	.123	.085	.064
j. Gyplap Sheathing and ½" 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. $\frac{25}{32}$" WW Sheathing	.202	.111	.078	.061
b. ½" WW Plaster Base	.200	.107	.077	.060
c. ¾" WW Plaster Base	.178	.102	.073	.058
d. 1" WW Plaster Base	.157	.094	.070	.055
e. $\frac{25}{32}$" WW Sheathing and ½" WW Plaster Base	.162	.095	.070	.055
f. ½" WW Bldg. Bd., Tile or Plank	.215	.112	.079	.061
g. ¾" WW Bldg. Bd. or Tile	.187	.104	.075	.059
h. Gyplap Sheathing	.350	.128	.087	.066
i. ½" Sheetrock	.288	.130	.088	.066
j. Gyplap Sheathing and ½" Sheetrock	.368	.142	.093	.069

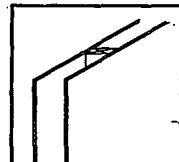


WALLS

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. ½" Plaster	.480			
b. Rocklath and Plaster (Furred)	.300	.143	.093	.069
c. ½" WW Plaster Base and Pl. (Furred)	.220	.121	.084	.064
d. ¾" WW Plaster Base and Pl. (Furred)	.190	.112	.079	.061
e. 1" WW Plaster Base and Pl. (Furred)	.160	.101	.073	.058
f. ½" WW Bldg. Bd., Tile or Plank	.230	.124	.085	.065
g. ¾" WW Bldg. Bd., Tile or Plank	.200	.115	.081	.062
h. 1" WW Bd., Plank or Tile	.170	.104	.075	.059
i. ½" Sheetrock Furred	.320	.146	.095	.070

*Based on ⅜" Furring Strip **Based on Full Dimension



WALLS

Basic Construction—Plywood
Plywood on Wood Studs
⅜" Outside—¼" Inside with one Air Space Over ¾"

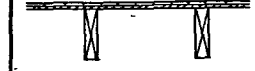
	No Wool Between Studs	Adding Red Top Wool 1"	2"	3"
Basic Construction	.431	.151	.095	.074
Substituting in Above Basic Const.				
a. ½" WW Bldg. Bd., Tile or Plank	.275	.126	.087	.065
b. ¾" WW Bldg. Bd. or Tile	.230	.115	.081	.062
c. 1" WW Bldg. Bd. or Tile	.196	.106	.076	.060
d. ⅜" Sheetrock	.430	.151	.095	.074
e. ½" Sheetrock	.413	.148	.095	.074
f. Adding to basic construction $\frac{25}{32}$" WW Sheathing	.218	.113	.080	.061



CEILINGS

Basic Construction
⅜" Rocklath and ½" Plaster

	No Wool Between Joists	Adding Red Top Wool 1"	2"	3"
Basic Construction	.610	.169	.116	.080
Substituting in Above Basic Const.				
a. ½" WW Plaster Base & Plaster	.329	.136	.091	.068
b. ¾" WW Plaster Base & Plaster	.290	.128	.087	.066
c. 1" WW Plaster Base & Plaster	.213	.110	.079	.061
d. ½" WW Bldg. Bd., Tile or Plank. No Plaster	.356	.139	.092	.067
e. ¾" WW Bldg. Bd. or Tile	.268	.124	.086	.065
f. ½" WW Bldg. Bd. or Tile	.220	.113	.080	.062
g. ⅜" Sheetrock	.670	.174	.118	.089
h. ½" 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. ½" WW Bd. on bottom of joists	.180	.102	.075	.059
b. ¾" 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.