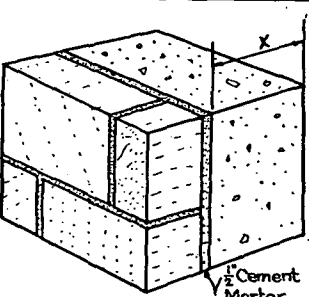


TABLE 19. COEFFICIENTS OF TRANSMISSION (*U*) OF 4-IN. CUT STONE VENEER ON CONCRETE WALLS

Note.—THESE COEFFICIENTS ARE EXPRESSED IN B.T.U. PER HOUR PER SQUARE FOOT PER 1 DEG. FAHR. DIFFERENCE IN TEMPERATURE BETWEEN THE AIR ON THE TWO SIDES AND ARE BASED ON AN OUTSIDE WIND EXPOSURE OF 15 MILES PER HOUR.

The values of <i>U</i> in this Table are based on the following internal conductivities or conductances which are expressed in B.t.u. per Hr. per Sq. Ft. per 1°F							
Stone	10.00 per 1"						
Concrete (Stone 1:2:4 mix)	8.30 per 1"						
Cement Mortar	8.00 per 1"						
Plaster board	3.73 per 3/8"						
Plaster (Gypsum)	2.32 per 1"						
Wood Lath & Plaster	2.00 as applied						
Cork board	0.30 per 1"						
Rigid Insulation (Board form)	0.33 per 1"						
Cellular Gypsum (18")	0.59 per 1"						
Flaked Gypsum, Dry (24")	0.48 per 1"						
Y = Thickness of Insulation where specified			Thickness of Concrete — X				
Number	Interior Construction	Y	6"	8"	10"	12"	16"
			A	B	C	D	E
1	Plain Walls — No Interior Finish		0.459	0.413	0.377	0.345	0.296
2	1/2" Plaster on Concrete		0.418	0.380	0.348	0.321	0.279
3	3/4" Plaster on Metal Lath — Furred		0.293	0.274	0.257	0.242	0.217
4	1/2" Plaster on Wood Lath — Furred		0.279	0.261	0.246	0.232	0.209
5	1/2" Plaster on 3/8" Plaster board — Furred		0.280	0.262	0.247	0.233	0.209
6	1/2" Plaster on Wood Lath on 2" Furring Strips — Cellular Gypsum Fill ^b	1 5/8"	0.184	0.176	0.169	0.163	0.151
7	1/2" Plaster on Wood Lath on 2" Furring Strips — Flaked Gypsum Fill	1 5/8"	0.164	0.158	0.152	0.147	0.137
8	1/2" Plaster on Rigid Insulation — (Board form) Furred	1 1/2"	0.208	0.198	0.188	0.180	0.166
9		1"	0.158	0.152	0.147	0.142	0.133
10	1/2" Plaster on Corkboard set in 1/2" Cement Mortar	1 1/2"	0.134	0.130	0.126	0.122	0.116
11		2"	0.110	0.107	0.104	0.102	0.097

^aBased on 1 1/4 in., the actual thickness of 2 in. furring strips.

^bThe coefficient used for cellular gypsum, 0.59 is for 18 lb. weight—weights as low as 12 lb. may be used.

TABLE 20. COEFFICIENTS OF TRANSMISSION (*U*) OF CONCRETE WALLS WITH STUCCO AS EXTERIOR FINISH

Note.—THESE COEFFICIENTS ARE EXPRESSED IN B.T.U. PER HOUR PER SQUARE FOOT PER 1 DEG. FAHR. DIFFERENCE IN TEMPERATURE BETWEEN THE AIR ON THE TWO SIDES AND ARE BASED ON AN OUTSIDE WIND EXPOSURE OF 15 MILES PER HOUR.

The values of U in this Table are based on the following internal Conductivities or Conductances which are expressed in B.t.u. per Hr. per Sq. Ft. per 1°F

Stucco	8.00 per 1"
Concrete (Stone 1:2:4 mix)	8.30 per 1"
Plaster board	3.73 per $\frac{3}{8}$ "
Plaster (Gypsum)	2.32 per 1"
Wood Lath & Plaster	2.00 as applied
Cork board	0.30 per 1"
Rigid Insulation (Board form)	0.33 per 1"
Cellular Gypsum (18")	0.59 per 1"
Flaked Gypsum, Dry (24")	0.48 per 1"

1" Stucco
on Wire Mesh

Y. Thickness of Insulation where specified

Number	Interior Construction	Y	Thickness of Concrete — X					
			6" A	8" B	10" C	12" D	16" E	20" F
1	Plain Walls — No Interior Finish ^a		0.544	0.481	0.431	0.391	0.329	0.284
2	$\frac{1}{2}$ " Plaster on Concrete		0.486	0.437	0.395	0.361	0.308	0.268
3	$\frac{3}{4}$ " Plaster on Metal Lath — Furred		0.326	0.302	0.282	0.264	0.234	0.210
4	$\frac{1}{2}$ " Plaster on Wood Lath — Furred		0.308	0.287	0.268	0.252	0.225	0.203
5	$\frac{1}{2}$ " Plaster on $\frac{3}{8}$ " Plaster board — Furred		0.310	0.288	0.270	0.253	0.226	0.204
6	$\frac{1}{2}$ " Plaster on Wood Lath on 2" Furring Strips — Cellular Gypsum Fill ^b	1 $\frac{5}{8}$ "	0.196	0.188	0.179	0.172	0.159	0.148
7	$\frac{1}{2}$ " Plaster on Wood Lath on 2" Furring Strips — Flaked Gypsum Fill	1 $\frac{5}{8}$ "	0.173	0.167	0.161	0.154	0.144	0.135
8	$\frac{1}{2}$ " Plaster on Rigid Insulation (Board form) Furred	1 $\frac{1}{2}$ "	0.223	0.212	0.202	0.192	0.176	0.163
9		1"	0.167	0.160	0.154	0.149	0.139	0.130
10	$\frac{1}{2}$ " Plaster on Corkboard set in $\frac{1}{2}$ " Cement Mortar	1 $\frac{1}{2}$ "	0.141	0.136	0.132	0.127	0.120	0.114
11		2"	0.114	0.111	0.108	0.105	0.100	0.096

^aBased on 1 1/4 in., the actual thickness of 2 in. furring strips.

^bThe coefficient used for cellular gypsum, 0.59 is for 18 lb. weight—weights as low as 12 lb. may be used.