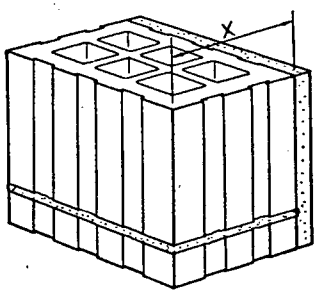
TABLE 12. COEFFICIENTS OF TRANSMISSION (*U*) OF HOLLOW TILE WALLS WITH STUCCO EXTERIOR FINISH [b-d]

Note.—THESE COEFFICIENTS ARE EXPRESSED IN BTU 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"
Hollow Tile 8"=0.49 10"=0.46 12"=0.33 16"=0.25	
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



Number	Interior Construction	Y	Thickness of Hollow Tile – X			
			8"	10"	12"	16"
			A	B	C	D
1	Plain Walls – No Interior Finish		0.317	0.304	0.241	0.195
2	1/2" Plaster on Hollow Tile		0.296	0.285	0.229	0.188
3	3/4" Plaster on Metal Lath – Furred		0.228	0.221	0.186	0.158
4	1/2" Plaster on Wood Lath – Furred		0.219	0.213	0.180	0.153
5	1/2" Plaster on 3/8" Plaster board – Furred		0.220	0.213	0.180	0.153
6	1/2" Plaster on Wood Lath on 2" Furring Strips – Cellular Gypsum Fill [c]	1 5/8" [a]	0.156	0.153	0.135	0.120
7	1/2" Plaster on Wood Lath on 2" Furring Strips – Flaked Gypsum Fill	1 5/8" [a]	0.141	0.139	0.124	0.111
8	1/2" Plaster on Rigid Insulation – (Board form) Furred	1/2"	0.172	0.168	0.147	0.129
9		1"	0.137	0.134	0.120	0.108
10	1/2" Plaster on Cork board set in 1/2" Cement Mortar	1 1/2"	0.119	0.117	0.106	0.096
11		2"	0.099	0.098	0.090	0.083

[a] Based on 1 5/8 in., the actual thickness of 2 in. furring strips.
[b] Figures on this page can be used with sufficient accuracy for hollow tile walls without stucco finish.
[c] The coefficient used for cellular gypsum, 0.59 is for 18 lb. weight—weights as low as 12 lb. may be used.
[d] The 8 in. and 10 in. tile figures are based on two cells in the direction of heat flow. The 12 in. tile is based on three cells in the direction of heat flow. The 16 in. tile consists of one 10 in. tile and one 6 in. tile, each having two cells in the direction of heat flow.

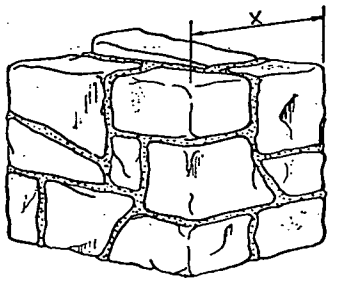
TABLE 13. COEFFICIENTS OF TRANSMISSION (*U*) OF LIMESTONE OR SANDSTONE WALLS

Note.—THESE COEFFICIENTS ARE EXPRESSED IN BTU 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

Stone	10.00 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



Number	Interior Construction	Y	Thickness of Stone – X					
			8"	10"	12"	16"	20"	24"
			A	B	C	D	E	F
1	Plain Walls – No Interior Finish		0.556	0.502	0.457	0.385	0.334	0.295
2	1/2" Plaster on Stone		0.497	0.452	0.415	0.356	0.311	0.277
3	3/4" Plaster on Metal Lath – Furred		0.330	0.310	0.292	0.261	0.236	0.216
4	1/2" Plaster on Wood Lath – Furred		0.312	0.294	0.277	0.250	0.227	0.208
5	1/2" Plaster on 3/8" Plaster board – Furred		0.314	0.295	0.279	0.251	0.228	0.209
6	1/2" Plaster on Wood Lath on 2" Furring Strips – Cellular Gypsum Fill [b]	1 5/8" [a]	0.198	0.191	0.184	0.171	0.160	0.150
7	1/2" Plaster on Wood Lath on 2" Furring Strips – Flaked Gypsum Fill	1 5/8" [a]	0.175	0.169	0.163	0.153	0.145	0.137
8	1/2" Plaster on Rigid Insulation (Board form) Furred	1/2"	0.225	0.216	0.207	0.191	0.177	0.166
9		1"	0.168	0.163	0.157	0.148	0.140	0.132
10	1/2" Plaster on Cork board set in 1/2" Cement Mortar	1 1/2"	0.141	0.138	0.134	0.127	0.121	0.115
11		2"	0.114	0.112	0.109	0.105	0.101	0.098

[a] Based on 1 5/8 in., the actual thickness of 2 in. furring strips.
[b] The coefficient used for cellular gypsum, 0.59 is for 18 lb. weight—weights as low as 12 lb. may be used.