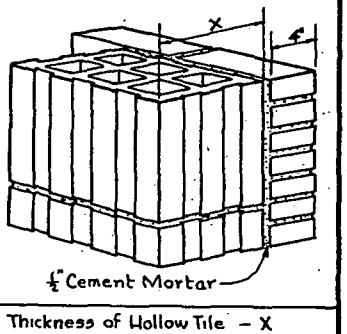
Table 10. Coefficients of Transmission (U) of Brick Veneer on Hollow Tile Walls[c]

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

Hollow Tile	6"=0.54 8"=0.49 10"=0.46 12"=0.33
Brick	5.00 per 1"
Cement Mortar	8.00 per 1"
Plasterboard	3.73 per $\frac{3}{8}$"
Plaster (Gypsum)	2.32 per 1"
Wood Lath & Plaster	2.00 as applied
Corkboard	0.30 per 1"
Rigid Insulation (Boardform)	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			
			6"	8"	10"	12"
			A	B	C	D
1	Plain Walls – No Interior Finish		0.270	0.257	0.248	0.205
2	½" Plaster on Hollow Tile		0.254	0.243	0.235	0.196
3	¾" Plaster on Metal Lath – Furred		0.202	0.195	0.190	0.163
4	½" Plaster on Wood Lath – Furred		0.195	0.188	0.184	0.159
5	½" Plaster on ⅜" Plasterboard – Furred		0.198	0.189	0.185	0.159
6	½" Plaster on Wood Lath on 2" Furring Strips – Cellular Gypsum Fill [b]	1⅝" [a]	0.144	0.140	0.137	0.123
7	½" Plaster on Wood Lath on 2" Furring Strips – Flaked Gypsum Fill	1⅝" [a]	0.131	0.128	0.126	0.114
8	½" Plaster on Rigid Insulation – (Board form) Furred	½"	0.158	0.153	0.150	0.133
9		1"	0.127	0.124	0.122	0.110
10	½" Plaster on Corkboard set in ½" Cement Mortar	1½"	0.112	0.110	0.107	0.098
11		2"	0.094	0.092	0.091	0.085

[a] Based on 1⅝ 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.

[c] The 6 in., 8 in. and 10 in. tile figures are based on two cells in the direction of flow of heat. The 12 in. tile is based on three cells in the direction of flow of heat.

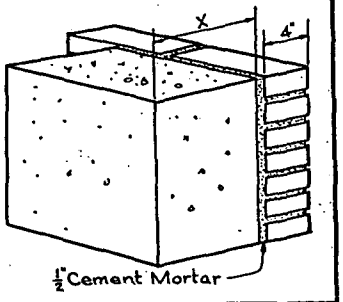
Table 11. Coefficients of Transmission (U) of Brick Veneer on Concrete Walls

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 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

Concrete (Stone 1:2:4 mix)	8.30 per 1"
Brick	5.00 per 1"
Cement Mortar	8.00 per 1"
Plasterboard	3.73 per ⅜"
Plaster (Gypsum)	2.32 per 1"
Wood Lath & Plaster	2.00 as applied
Corkboard	0.30 per 1"
Rigid Insulation (Boardform)	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 Concrete – X				
			6"	8"	10"	12"	16"
			A	B	C	D	E
1	Plain Walls – No Interior Finish		0.387	0.355	0.327	0.303	0.264
2	½" Plaster on Concrete		0.358	0.330	0.305	0.285	0.250
3	¾" Plaster on Metal Lath – Furred		0.263	0.247	0.233	0.221	0.200
4	½" Plaster on Wood Lath – Furred		0.250	0.237	0.224	0.213	0.192
5	½" Plaster on ⅜" Plasterboard – Furred		0.252	0.238	0.225	0.213	0.192
6	½" Plaster on Wood Lath on 2" Furring Strips – Cellular Gypsum Fill [b]	1⅝" [a]	0.172	0.165	0.158	0.152	0.142
7	½" Plaster on Wood Lath on 2" Furring Strips – Flaked Gypsum Fill	1⅝" [a]	0.154	0.149	0.144	0.139	0.130
8	½" Plaster on Rigid Insulation – (Board form) Furred	½"	0.192	0.183	0.175	0.168	0.156
9		1"	0.148	0.143	0.139	0.134	0.126
10	½" Plaster on Cork board set in ½" Cement Mortar	1½"	0.127	0.123	0.120	0.116	0.110
11		2"	0.105	0.102	0.100	0.098	0.093

[a] Based on 1⅝ 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.