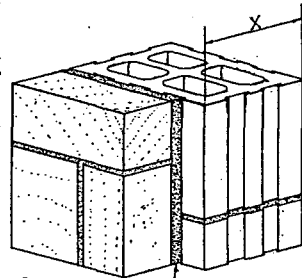


TABLE 7-G. COEFFICIENTS OF TRANSMISSION (*U*) OF VARIOUS TYPES OF MASONRY WALL CONSTRUCTION

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.

4" CUT STONE VENEER ON HOLLOW TILE WALLS						
The values of U in this Table are based on the following Internal Conductivities (C) which are expressed in B.t.u. per Hr. per Sq.Ft. per 1° F Hollow Tile 4"-0.65 6"-0.50 8"-0.43 12"-0.26 Stone 10.00 per 1' Cement Mortar 8.00 per 1' Plaster Board 3.04 per 1' Plaster (Gypsum) 2.32 per 1' Wood Lath & Plaster 2.00 as applied Cork board 0.30 per 1' Fiber Insulation (Board/form) 0.33 per 1' Cellular Gypsum (18") 0.59 per 1' Flaked Gypsum, Dry (26") 0.52 per 1'						
Y Thickness of Insulation where specified			1/2" Cement Mortar			
Wall Number	Interior Construction	Y	Thickness of Hollow Tile - X			
			6"	8"	12"	16"
			a	b	c	d
67	Plain Walls - No Interior Finish		0.289	0.265	0.189	0.146
68	1/2" Plaster on Hollow Tile		0.272	0.250	0.184	0.141
69	3/4" Plaster on Metal Lath - Furred		0.190	0.179	0.140	0.115
70	1/2" Plaster on Wood Lath - Furred		0.183	0.173	0.137	0.113
71	1/2" Plaster on 3/8" Plaster Board - Furred		0.189	0.178	0.140	0.115
72	1/2" Plaster on Wood Lath on 2" Furring Strips - Cellular Gypsum Fill	* 1 3/8"	0.149	0.142	0.117	0.099
73	1/2" Plaster on Wood Lath on 2" Furring Strips - Flaked Gypsum Fill	* 1 3/8"	0.141	0.135	0.112	0.095
74	1/2" Plaster on Fiber Insulation -	1/2"	0.150	0.143	0.117	0.099
75	(Board/form) Furred	1"	0.122	0.117	0.099	0.086
76	1/2" Plaster on Corkboard set in 1/2" Cement Mortar	1 1/2"	0.114	0.110	0.094	0.082
77		2"	0.096	0.093	0.081	0.072

*Based on 1 3/8 in., the actual thickness of 2 in. furring strips.

Note.—The coefficient used for plasterboard is 3.04 per inch thickness—recent data indicate values as low as 1.30 for this material.

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

TABLE 7-H. COEFFICIENTS OF TRANSMISSION (*U*) OF VARIOUS TYPES OF MASONRY WALL CONSTRUCTION

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.

4" CUT STONE VENEER ON CONCRETE WALLS																																				
The values of U in this Table are based on the following Internal Conductivities (C) which are expressed in B.t.u. per Hr. per Sq.Ft. per 1° F <table><tr><td>Stone</td><td>10.00</td><td>per 1'</td></tr><tr><td>Concrete (Stone 1:2:4 mix)</td><td>8.30</td><td>per 1'</td></tr><tr><td>Cement Mortar</td><td>8.00</td><td>per 1'</td></tr><tr><td>Plaster Board</td><td>3.04</td><td>per 1'</td></tr><tr><td>Plaster (Gypsum)</td><td>2.32</td><td>per 1'</td></tr><tr><td>Wood Lath & Plaster</td><td>2.00</td><td>as applied</td></tr><tr><td>Cork board</td><td>0.30</td><td>per 1'</td></tr><tr><td>Fiber Insulation (Board/form)</td><td>0.33</td><td>per 1'</td></tr><tr><td>Cellular Gypsum (18")</td><td>0.59</td><td>per 1'</td></tr><tr><td>Flaked Gypsum, Dry (26")</td><td>0.52</td><td>per 1'</td></tr></table>			Stone	10.00	per 1'	Concrete (Stone 1:2:4 mix)	8.30	per 1'	Cement Mortar	8.00	per 1'	Plaster Board	3.04	per 1'	Plaster (Gypsum)	2.32	per 1'	Wood Lath & Plaster	2.00	as applied	Cork board	0.30	per 1'	Fiber Insulation (Board/form)	0.33	per 1'	Cellular Gypsum (18")	0.59	per 1'	Flaked Gypsum, Dry (26")	0.52	per 1'				
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			Flaked Gypsum, Dry (26")	0.52	per 1'																															
			Y-Thickness of Insulation where specified																																	
Wall Number	Interior Construction	Y	Thickness of Concrete - X																																	
			6"	8"	10"	12"	16"																													
			a	b	c	d	e																													
78	Plain Walls - No Interior Finish		0.459	0.415	0.377	0.345	0.296																													
79	1/2" Plaster on Concrete		0.418	0.380	0.348	0.321	0.279																													
80	3/4" Plaster on Metal Lath - Furred		0.251	0.236	0.224	0.212	0.193																													
81	1/2" Plaster on Wood Lath - Furred		0.240	0.227	0.215	0.204	0.186																													
82	1/2" Plaster on 3/8" Plaster Board - Furred		0.249	0.235	0.223	0.211	0.192																													
83	1/2" Plaster on Wood Lath on 2" Furring Strips - Cellular Gypsum Fill	1 3/8"	0.184	0.176	0.169	0.163	0.151																													
84	1/2" Plaster on Wood Lath on 2" Furring Strips - Flaked Gypsum Fill	1 3/8"	0.172	0.166	0.159	0.153	0.143																													
85	1/2" Plaster on Fiber Insulation - (Board/form) Furred	1/2"	0.185	0.177	0.170	0.163	0.151																													
86		1'	0.145	0.140	0.135	0.131	0.123																													
87	1/2" Plaster on Corkboard set in 1/2" Cement Mortar	1 1/2"	0.134	0.130	0.126	0.122	0.116																													
88		2"	0.110	0.107	0.104	0.102	0.097																													

*Based on 1 3/8 in., the actual thickness of 2 in. furring strips.

Note.—The coefficient used for plasterboard is 3.04 per inch thickness—recent data indicate values as low as 1.30 for this material.

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