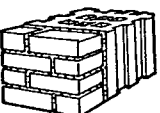
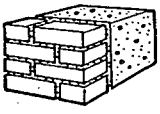
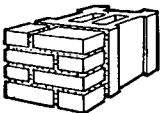
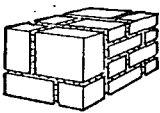
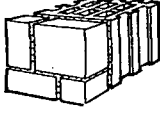
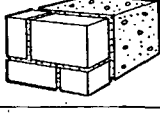


TABLE 4. COEFFICIENTS OF TRANSMISSION (*U*) OF MASONRY WALLS WITH VARIOUS TYPES OF VENEERS^a

Coefficients are expressed in Btu per hour per square foot per degree Fahrenheit difference in temperature between the air on the two sides, and are based on a wind velocity of 15 mph.

TYPICAL CONSTRUCTION	TYPE OF WALL		WALL No.
	FACING	BACKING	
	4 in. Brick Veneer ^d	6 in. Hollow Tile ^c	37
		8 in.	38
		10 in.	39
		12 in.	40
	4 in. Brick Veneer ^d	6 in. Concrete	41
		10 in.	42
		16 in.	43
	4 in. Brick Veneer ^d	8 in. Cinder Blocks	44
		8 in. Cinder Blocks—Cores filled with granulated cork, 5.12 lb per cu ft.	45
		12 in. Cinder Blocks	46
		12 in. Cinder Blocks—Cores filled with granulated cork, 5.24 lb per cu ft.	47
		8 in. Concrete Blocks	48
		8 in. Concrete Blocks—Cores filled with granulated cork, 5.14 lb per cu ft.	49
		12 in. Concrete Blocks	50
		8 in. Burned Clay aggregate Block	51
	4 in. Cut-Stone Veneer ^d	8 in. Common Brick	55
		12 in.	56
		16 in.	57
	4 in. Cut-Stone Veneer ^d	6 in. Hollow Tile ^c	58
		8 in.	59
		10 in.	60
		12 in.	61
	4 in. Cut-Stone Veneer ^d	6 in. Concrete	62
		10 in.	63
		16 in.	64

^aComputed from factors marked by * in Table 2.

^bBased on the actual thickness of 2-in. furring strips.

^cThe 6-in., 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.

INTERIOR FINISH

UNINSULATED WALLS						INSULATED WALLS					
Plain walls—no interior finish	Plaster (½ in.) on walls	Plaster on wood lath—furred	Plaster (½ in.) on metal lath—furred	Plaster (¾ in.) on plasterboard (½ in.)—furred	No plaster—decorated rigid or building board interior finish (¾ in.)—furred	Plaster (½ in.) on rigid insulation (½ in.)—furred	Plaster (½ in.) on rigid insulation (1 in.)—furred	Plaster (¾ in.) on cork board (1½ in.) set in cement mortar (¾ in.)	Plaster (¾ in.) on plasterboard (¾ in.)—airspaced on one side with rigid aluminum foil insulation applied to plasterboard	Plaster (¾ in.) on metal lath attached to furring strips (2 in.)—rock wool fill (1½ in.)	Plaster (¾ in.) on metal lath attached to furring strips (2 in.)—dealt insulation (¾ in.) between furring strips (one air space)
A	B	C	D	E	F	G	H	I	J	K	L
0.36	0.34	0.24	0.25	0.24	0.19	0.19	0.15	0.13	0.18	0.11	0.17
0.34	0.33	0.24	0.25	0.24	0.19	0.18	0.14	0.12	0.18	0.11	0.17
0.34	0.32	0.23	0.24	0.23	0.19	0.18	0.14	0.12	0.18	0.11	0.17
0.27	0.26	0.20	0.21	0.20	0.16	0.16	0.13	0.11	0.16	0.10	0.15
0.57	0.53	0.33	0.35	0.33	0.24	0.23	0.17	0.14	0.23	0.13	0.21
0.48	0.45	0.30	0.31	0.30	0.22	0.22	0.16	0.14	0.22	0.12	0.20
0.39	0.37	0.26	0.27	0.26	0.20	0.19	0.15	0.13	0.20	0.11	0.18
0.35	0.33	0.24	0.25	0.24	0.19	0.18	0.14	0.12	0.18	0.11	0.17
0.20	0.19	0.16	0.16	0.16	0.13	0.13	0.11	0.10	0.13	0.09	0.12
0.31	0.30	0.22	0.23	0.22	0.18	0.17	0.14	0.12	0.17	0.11	0.16
0.18	0.18	0.15	0.15	0.15	0.13	0.12	0.10	0.09	0.13	0.08	0.12
0.44	0.42	0.28	0.30	0.28	0.21	0.21	0.16	0.13	0.21	0.12	0.19
0.34	0.32	0.24	0.25	0.23	0.19	0.18	0.14	0.12	0.18	0.11	0.17
0.40	0.38	0.26	0.28	0.26	0.20	0.20	0.15	0.13	0.20	0.11	0.18
0.31	0.29	0.23	0.23	0.22	0.18	0.17	0.14	0.12	0.17	0.11	0.16
0.17	0.16	0.14	0.14	0.14	0.12	0.12	0.10	0.09	0.12	0.08	0.11
0.29	0.28	0.21	0.22	0.21	0.17	0.17	0.13	0.12	0.17	0.10	0.16
0.14	0.14	0.12	0.12	0.12	0.10	0.10	0.09	0.08	0.10	0.07	0.10
0.37	0.35	0.25	0.26	0.25	0.19	0.19	0.15	0.13	0.19	0.11	0.17
0.28	0.27	0.21	0.21	0.21	0.17	0.16	0.13	0.12	0.17	0.10	0.15
0.23	0.22	0.18	0.18	0.18	0.15	0.14	0.12	0.11	0.15	0.095	0.14
0.37	0.35	0.25	0.26	0.25	0.20	0.19	0.15	0.13	0.19	0.11	0.18
0.36	0.34	0.24	0.25	0.24	0.19	0.19	0.15	0.13	0.18	0.11	0.17
0.35	0.33	0.24	0.25	0.24	0.19	0.18	0.14	0.12	0.18	0.11	0.17
0.28	0.26	0.20	0.21	0.20	0.17	0.16	0.13	0.11	0.17	0.10	0.15
0.61	0.56	0.34	0.36	0.34	0.25	0.24	0.18	0.15	0.24	0.13	0.22
0.51	0.47	0.31	0.32	0.31	0.23	0.22	0.17	0.14	0.22	0.12	0.20
0.41	0.38	0.26	0.28	0.26	0.20	0.20	0.15	0.13	0.20	0.11	0.18

^aCalculations include cement mortar (½ in.) between veneer or facing and backing.

^bBased on one air cell in direction of heat flow.

^cA waterproof (not vaporproof) membrane should be provided between the outer material and the insulation fill to prevent possible wetting by absorption and a subsequent lowering of efficiency.