

TABLE 5. HEAT TRANSMISSION FROM WINDOWS, ROOF GLASS AND SKYLIGHT

	1.10 B.t.u.
GLASS	WOOD
	0.60 "
GLASS	
	1.10 "
GLASS	SOLID METAL
	0.60 "
GLASS	
	1.10 "
GLASS	HOLLOW METAL
	0.60 "
GLASS	

TABLE 6. HEAT TRANSMISSION FROM FLOORS

ASSUME THE GROUND TEMPERATURE TO BE 50° FAHR.	
CONSTRUCTION	B.T.U.
4" CONCRETE GROUND	.31
4" CONCRETE CINDER FILL	.29
1" TILE 4" CONCRETE GROUND	.30
2 1/2" BRICK 4" CONCRETE GROUND	.29
1 1/2" WOOD FLOOR WATERPROOFING 5" CONCRETE GROUND	.10
1 1/2" WOOD FLOOR 3" CONCRETE CINDER FILL GROUND	.07
1 1/2" WOOD FLOOR 5" CINDER FILL GROUND	.11
1 1/2" WOOD FLOOR AIR SPACE SLEEPERS GROUND	.13

TABLE 7. HEAT TRANSMISSION FROM CEILINGS

ASSUME TEMPERATURE OF UNHEATED AIR SPACE TO BE 35° FAHR. WITH AN OUTSIDE TEMPERATURE OF 0°.	
CONSTRUCTION	B.T.U.
Unheated Space Joists Plaster	.60
Floor Joists Plaster	.26
Floor Joists Metal Ceiling	.36
1" Floor	.40
Floor Paper Joists	.21
4" Reinforced Concrete	.41
4" Reinforced Concrete	1.00
6" Reinforced Concrete	.86
8" Reinforced Concrete	.41
10" Reinforced Concrete	.36

the number of B.t.u. which will be transmitted per degree difference in temperature per hour per square foot of surface.

The Research Bureau of the AMERICAN SOCIETY OF HEATING AND VENTILATING ENGINEERS are making heat transmission tests of different material and when results are published, all heat transmission tables may be revised.

TABLE 8. HEAT TRANSMISSION FROM INTERIOR WALLS

CONSTRUCTION	B.t.u.
Plaster, Lath, Studs, Lath and Plaster	0.34
Studs, Lath and Plaster	0.60
4" Hollow Tile, Plastered 1 Side	0.57
4" Hollow Tile, Plastered Both Sides	0.50
2" Gypsum Block, Plastered 1 Side	0.64
2" Gypsum Block, Plastered Both Sides	0.60

TABLE 9. HEAT TRANSMISSION FROM WOOD DOORS AND WOOD PARTITIONS

3/4" to 1" Thick Tongued and Grooved	= 0.65 B.t.u.
1" " 1 1/4" " " " "	= 0.60 "
1 1/4" " 1 1/2" " " " "	= 0.50 "
1 1/2" " 2" " " " "	= 0.42 "
2" " 2 1/2" " " " "	= 0.35 "
2 1/2" " 3" " " " "	= 0.30 "

TABLE 10. HEAT TRANSMISSION FROM WALLS OF VARIOUS CONSTRUCTIONS

THICKNESS OF BOARD IN IN.	TWO BOARDS WITH PAPER BETWEEN	BOARD AND CORRUGATED IRON	BOARD AND SHEET IRON
1/2"	0.32 B.t.u.	0.45 B.t.u.	0.50 B.t.u.
1"	0.24 "	0.36 "	0.40 "
1 1/2"	0.19 "	0.30 "	0.33 "
2"	0.16 "	0.26 "	0.28 "
2 1/2"	0.14 "	0.23 "	0.25 "

TABLE 11. HEAT TRANSMISSION FROM WALLS OF CLAPBOARD

CONSTRUCTION	B.t.u.
Clapboard on Studs	0.62
Clapboard on Studs, Lath and Plaster	0.48
Clapboard, Paper, Studs, Lath and Plaster	0.34
Clapboard, Studs, 1" Sheathing	0.57
Clapboard, Sheathing, Studs, Lath and Plaster	0.37
Clapboard, Paper, Sheathing, Studs, Lath and Plaster	0.30
Clapboard, Studs, Brick Fill	0.40
Clapboard, Studs, Brick Fill, Papered	0.36
Clapboard, Studs, Brick Fill, Lath and Plaster	0.31
Clapboard, Sheathing, Studs, Lath and Plaster with Sawdust Fill	0.21
Clapboard, Paper, Sheathing, Studs, Lath and Plaster with Sawdust Fill	0.15