

Construction Material Conversion Weights

Material	Weights
Acoustic Fiberboard (1")	1.5 pounds per sq. ft.
Acoustical Tile	1 pound per sq. ft.
Asphalt Shingles	2.2 - 2.5 pounds per sq. ft.
Brick, 4" thick	40 pounds per square ft.
Carpet & Pad	1.5 pounds per sq. ft.
Concrete	150 pounds per cu. ft.
Concrete (per 1" thickness)	12.5 pounds per square ft.
Concrete Block 8"	36 pounds each
Decking, 2" nominal	4.3 pounds per sq. ft.
Earth	80-125 pounds per cu. ft.
Flooring	
Hardwood (1" nominal)	4 pounds per sq. ft.
Carpet and pad	2 pounds per sq. ft.
Linoleum	1.5 pounds per sq. ft.
3/4" Ceramic or Quarry tile with mortar bed	16 pounds per sq. ft.
Framed Walls - 8 ft. high	
2 x 4 @ 16" o.c.	10.6 pounds per l ft.
2 x 4 @ 24" o.c.	8.9 pounds per l ft.
2 x 6 @ 16" o.c.	16.7 pounds per l ft.
2 x 6 @ 24" o.c.	14 pounds per l ft.
Gypsum Board 1/2" 4 x 8	70 pounds
Gypsum Board 1/2" 4 x 12	105 pounds
Gypsum Board 5/8" 4 x 8	85 pounds
Gypsum Board 5/8" 4 x 12	130 pounds
Gyp-crete (3/4" thickness)	6.5 pounds per sq. ft.
Lumber	
2 x 4 x 8	9 pounds each
2 x 6 x 8	14 pounds each
2 x 8 x 8	18 pounds each
2 x 10 x 8	24 pounds each
2 x 12 x 8	29 pounds each
Masonry Walls	
6", no grout	31 pounds per sq. ft.
8", no grout	35 pounds per sq. ft.
12", no grout	50 pounds per sq. ft.
6", vertical cells solidly grouted	56 pounds per sq. ft.
8", vertical cells solidly grouted	77 pounds per sq. ft.
12", vertical cells solidly grouted	118 pounds per sq. ft.
6", cells grouted 16" o.c.	46 pounds per sq. ft.
8", cells grouted 16" o.c.	60 pounds per sq. ft.
12", cells grouted 16" o.c.	90 pounds per sq. ft.
Mineral Wool or Fiberglass (1" thick)	0.05 pounds per sq. ft.
Oriented Stran Board	
3/8"	45 pounds
7/16"	48 pounds
1/2"	55 pounds
19/32"	64 pounds
23/32"	74 pounds
Plywood - 4 x 8 sheets	
3/8"	38 pounds
1/2"	50 pounds

3/4"	75 pounds
Sand	
Dry	101 pounds per cu. ft.
Wet	120 pounds per cu. ft.
Snow	
Freshly Fallen	10 pounds per cu. ft.
Packed	30-50 pounds per cu. ft.
Suspended Acoustical Ceiling System	2.5 pounds per sq. ft.
Water	62.5 pounds per cu. ft.
Wood Shingles	3 pounds per sq. ft.
Wood Shakes	4-6 pounds per sq. ft.