

# COMMODITY & MATERIAL WEIGHTS

## Approximate Weights

Approximate Weights of Materials					
Material	lbs. / cu. yd.	tons / cu. yd.	Material	lbs. / cu. yd.	tons / cu. td.
Andesite stone	4,887	2.44	Earth & sand, wet	3,240	1.62
Ashes	1,080	0.52	Fire Brick	3,915	1.95
Asphalt	2,700	1.35	Fire Clay	3,510	1.75
Asphaltum	2,349	1.17	Garbage	1,150	0.57
Basalt rock	4,887	2.44	Gravel, dry	2,970	1.48
Brick, soft clay	2,718	1.35	Gravel, out of water	1,620	0.81
Brick, hard clay	3,397	1.69	Granite	4,536	2.26
Brick, pressed	3,806	1.90	Lime, quick, loose	1,431	0.71
Brick, paving	4,246	2.12	Lime, quick, shaken	1,485	0.70
Block, paving	3,694	1.84	Limestone, solid	4,536	2.26
Bluestone	2,970	1.48	Limestone, loose	2,592	1.29
Cement, natural	1,512	0.75	Marble, solid	4,455	2.22
Cement, Portland	2,430	1.21	Marble, loose	2,592	1.29
Cement, Portland, set	4,941	2.47	Mortar, set	2,781	1.39
Cement, Rosendale	1,863	0.93	Mud, dry	2,430	1.21
Cinders	1,080	0.54	Mud, packed	3,105	1.55
Clay, dry	1,701	0.85	Mud, wet	2,916	1.45
Clay, wet	2,970	1.48	Pitch	1,863	0.93
Clay & gravel, dry	2,700	1.35	Plaster of Paris	2,646	1.32
Coal, anthracite	1,536	0.76	Powder, blasting	1,682	0.84
Coal, bituminous	1,275	0.64	Quartz	4,374	2.18
Coke	837	0.42	Rubbish	199.8	0.09
Concrete, cinders	2,970	1.48	Sand, dry, loose	2,619	1.30
Concrete, gravel	4,104	2.05	Sand, wet	3,186	1.59
Concrete, limestone	4,050	2.02	Sandstone	4,023	2.01
Concrete, sandstone	3,915	1.95	Slag, blank	1,890	0.94
Concrete, trap rock	4,185	2.09	Slag, screenings	2,700	1.35
Crushed stone	2,700	1.35	Slag, machine	2,592	1.29
Earth, dry, loose	1,890	0.94	Slag, sand	1,485	0.74
Earth, damp, loose	2,106	1.05	Shale	4,374	2.18
Earth, damp, packed	2,592	1.29	Slate	4,725	2.31
Earth & gravel, dry	2,700	1.35	Tar	1,674	0.83
Earth & gravel, wet	3,240	1.62	Tile	2,970	1.43
Earth & sand, dry	2,709	1.35	Trap stone	5,849	2.52

## Steel & Aluminum Gauge, Thickness and Weight

Gauge	Thickness (inches)	Weight (lbs./ft <sup>2</sup> )
<b>Steel</b>		
3/8"	0.375	15.320
1/4" (approx. 3 Ga.)	0.250	10.200
3/16" (approx. 7 Ga.)	0.188	7.650
8 Ga.	0.164	6.875
9 Ga.	0.149	6.250
10 Ga.	0.134	5.625
11 Ga.	0.120	5.000
12 Ga.	0.105	4.375
13 Ga.	0.090	3.750
14 Ga.	0.075	3.125
<b>Aluminum</b>		
3/8"	0.375	5.18
1/4"	0.250	3.53
3/16"	0.188	2.65
5/32"	0.156	2.25