CONCRETE SLAB CHART

Seventeen slab sizes from a 4 x 4 pad to a 30 x 40 shop floor, at three thicknesses, with the bag counts next to the yardage.

Concrete is ordered by the cubic yard and there are 27 cubic feet in one, so a slab is length times width times thickness in feet, divided by 27. The arithmetic is easy and the mistake is always the same one: thickness gets left in inches.

Every number below includes a 10 percent waste allowance, because a slab poured on grade over a base that is not perfectly flat always takes more than the geometry says.

Cubic yards and bags by slab size and thickness

Slab	Area	4 in	5 in	6 in	60 lb bags at 4 in	80 lb bags at 4 in
4 x 4 ft	16 sq ft	0.22	0.27	0.33	14	10
4 x 8 ft	32 sq ft	0.43	0.54	0.65	27	20
6 x 6 ft	36 sq ft	0.49	0.61	0.73	30	22
8 x 8 ft	64 sq ft	0.87	1.09	1.3	53	40
8 x 10 ft	80 sq ft	1.09	1.36	1.63	66	49
10 x 10 ft	100 sq ft	1.36	1.7	2.04	82	62
10 x 12 ft	120 sq ft	1.63	2.04	2.44	98	74
12 x 12 ft	144 sq ft	1.96	2.44	2.93	118	88
12 x 16 ft	192 sq ft	2.61	3.26	3.91	157	118
12 x 20 ft	240 sq ft	3.26	4.07	4.89	196	147
16 x 16 ft	256 sq ft	3.48	4.35	5.21	209	157
20 x 20 ft	400 sq ft	5.43	6.79	8.15	326	245
20 x 24 ft	480 sq ft	6.52	8.15	9.78	392	294
24 x 24 ft	576 sq ft	7.82	9.78	11.73	470	352
20 x 30 ft	600 sq ft	8.15	10.19	12.22	489	367
24 x 40 ft	960 sq ft	13.04	16.3	19.56	783	587
30 x 40 ft	1,200 sq ft	16.3	20.37	24.44	978	734

Cubic yards, 10 percent waste included. Bag counts are for the 4 inch column and assume a 60 lb bag yields 0.45 cubic feet and an 80 lb bag 0.60.

Every figure on this sheet was produced by the same calculator that runs at contractorhandbook.com, free and with no signup.

These are estimating figures for ordering and pricing, not engineering. Nothing here sizes a structural member, checks a load, or replaces local code, a permit, or a manufacturer's installation instructions. Where a rule of thumb is doing the work it is written into the notes under each table rather than hidden.