

Concrete & Masonry Cheat Sheet

CONCRETE BAG YIELD

Bag	Yield	Bags/yd
80 lb	0.60 cf	45
60 lb	0.45 cf	60
40 lb	0.30 cf	90

MIX RATIO (BY VOLUME)

- About 3000 psi: 1 cement : 2 sand : 3 gravel.
- Water about 0.5 of cement weight; don't overwater.
- Keep damp and cure at least 7 days.

SLAB TIPS

- 1 cu yd covers ~81 sq ft at 4" thick.
- Control joints every 2 to 3x the thickness (in feet).
- 4" is typical for patios and walkways.

REBAR SIZES (ASTM)

Bar	Dia	lb/ft
#3	3/8"	0.376
#4	1/2"	0.668
#5	5/8"	1.043
#6	3/4"	1.502

Bar number = diameter in eighths of an inch (#4 = 1/2"). Size and spacing come from your design or code.

BRICK & BLOCK PER SQ FT

Unit	Per sq ft
Modular brick	6.86
CMU block 8x16	1.125

- Add 5 to 10% for waste and cuts.

AGGREGATE WEIGHT

- Gravel ~1.4 ton/cu yd; sand ~1.35 ton/cu yd.