BRICK:
- Approx. 7 bags of Mortar per 1,000 Brick (143 brick per bag)
- Approx. 1 ton of Sand per 1,000 Brick
- Figure Brick 7 per sq. ft. of wall area (Modular-allows for waste)
- Figure Brick 5.76 per sq. ft. of wall area (Q/S & O/S – allows for waste)
- 1 – ½ Brick per running foot on wall
- 4.625 courses of brick per foot of wall height
- 5 brick per sq. ft. for paving and hearths (laid flat- solid brick)

MORTAR:
- Mix 1 part Mortar to 2 to 2 ½ parts sand
- 7 bags per 1,000 modular or queensize – 10 bags per 1,000 utility – 3 bags per 100 block
- Average mortar joint is 3/8”

BLOCK:
- 3 bags of Mortar per 100 block (40 block per bag)
- 800 lbs of Sand per 100 block
- 1.125 block per sq. ft. of wall area
- 75% of length of wall gives number of block per course
- Take height of wall (in feet) times 1.5 for number of courses

BRICK CHIPS
- 2” Deep – 200 SQ. FT per ton
- 3” Deep – 150 SQ. FT per ton
- 4” Deep – 100 SQ FT per ton

CONCRETE:
- 4-2-1 Mix – 1 ton Gravel, ½ ton Sand, 6 bags cement
- 1 yard Concrete covers 75 sq.ft. 4 inches deep

CEMENT PLASTER:
- 1/4 Thick (100 sq.ft.) 220 # Sand .8 Bag Mortar
- 3/8 Thick (100 sq.ft.) 330 # Sand 1.2 Bag Mortar
- 1/2 Thick (100 sq.ft.) 440 # Sand 1.6 Bag Mortar

FIRE CLAY (non-Premix):
- 1 Shovel Fire Clay, 1 shovel Portland, 1 Shovel of sand

FILLING BLOCK:
- Cores with Concrete:
  - 12” Block – 1.64 cubic yd per 100 block (approx.)
  - 8” Block – .93 cubic yd Per 100 block (approx.)

SAND-GRAVEL:
- Approx. 3,000 lbs. per cu. yd (# of yards times 1.5 for tons)
- Approx. 110 lbs. per cu. Ft (27 cubic feet in cubic yards)
- 1 yard sand per 1,000 brick – ½ yard sand per 100 block (any size)

WALL TIES:
- Quantity varies based on seismic zone and international residential building code.

WHITE SAND:
- Plaster and Stucco – No. 1 or 2
- Sandblasting – No. 1, 2, 3 or 4
  (No. 1 for finer jobs, the higher the number, the coarser the sand)

ZONOLITE:
- 4 cu. ft. bag fills approx. 9-12” block or 16-8” block

QUIKRETE:
- 45 (80 lb) bags = 1 yard of cement

Fire Brick:
- 36” Damper 100 Fire Brick
- 42” Damper 120 Fire Brick