

# Palmetto Brick Company Rule of Thumb Figures

<b>BRICK:</b>	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)
<b>MORTAR:</b>	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”
<b>BLOCK:</b>	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
<b>BRICK CHIPS</b>	2” Deep – 200 SQ. FT per ton 3” Deep – 150 SQ. FT per ton 4” Deep – 100 SQ FT per ton
<b>CONCRETE:</b>	4-2-1 Mix – 1 ton Gravel, ½ ton Sand, 6 bags cement 1 yard Concrete covers 75 sq.ft. 4 inches deep
<b>CEMENT PLASTER:</b>	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
<b>FIRE CLAY (non-Premix):</b>	1 Shovel Fire Clay, 1 shovel Portland, 1 Shovel of sand
<b>FILLING BLOCK:</b>	Cores with Concrete: 12” Block – 1.64 cubic yd per 100 block (approx.) 8” Block - .93 cubic yd Per 100 block (approx.)
<b>SAND-GRAVEL:</b>	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)
<b>WALL TIES:</b>	Quantity varies based on seismic zone and international residential building code.
<b>WHITE SAND:</b>	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)
<b>ZONOLITE:</b>	4 cu. ft. bag fills approx. 9-12” block or 16-8” block
<b>QUIKRETE:</b>	45 (80 lb) bags = 1 yard of cement
<b>Fire Brick</b>	36” Damper 100 Fire Brick 42” Damper 120 Fire Brick