

PBM'S FORMULAS

COVERAGES AND QUANTITIES

FORMULAS...

- There are 2000 pounds in a ton.
- For most bulk materials,
number of yards x 1.5 = number of tons.
- Area of a square or rectangle =
width x length
- Area of a circle = 3.14 x radius squared
- Circumference of a circle = 3.14 x diameter
- Volume of a cube = width x length x height
- Volume of a tube = 3.14 x radius squared x
height
- There are 27 cubic feet in a cubic yard.

FORMULA FOR MORTAR

- 3 Parts Sand
- 1 Part Common Cement
- 1/2_ Part Lime

FORMULA FOR STUCCO

- 4 Parts Sand
- 1/2 Part Common Cement
- 1/2 Part Plastic Cement
- Or 1 Part Premium Plastering Cement

FORMULA FOR FIGURING AMOUNT OF STUCCO NEEDED

- Square footage divided by 9 = square yards
- Square yards divided by 6 = # of sacks needed
- # Of sacks needed x 400 = lbs of sand needed

MATERIAL NEEDED FOR 1000 BRICK OR 500 8X8X16 BLOCK

- 1 Ton Sand
- 6 Sacks Common Cement
- 3 Sacks Lime

COVERAGE

- 1 Gallon of Plasterweld or Weldcrete
Will Cover. Approx. 200 SQ FT

1 YARD OF MOST BULK MATERIALS WILL COVER

- 320 SQ FT @ 1 inch thick
- 160 SQ FT @ 2 inch thick
- 120 SQ FT @ 3 inch thick
- 80 SQ FT @ 4 inch thick

1 TON OF FLAGSTONE WILL COVER

- Approx. 120 SQ FT @ 1 1/4 inch thick
- Approx. 100 SQ FT @ 1 1/2 inch thick
- Approx 75 SQ FT @ 2 inch thick

1 TON OF MOST WALLROCK WILL COVER

- Approx. 35 SQ FT

SQUARE FOOT PER PIECE OF CUT STONE

- Length x Width (in inches) divided by 144 =
SQ FT per piece

THIN BRICK (DEPENDING ON MANUFACTURER)

- Approx 6.5/7 per sq ft

PAVER BRICK COVERAGE

- Approx 4.5 per sq ft

Approximate Weight / Coverage For Natural Stone		
Thickness in Inches	Pounds per SF	Approx. Coverage per Ton
1/2	6.75	300
3/4	10.12	200
1	13.5	150
1 1/4	16.87	120
1 1/2	20.25	100
1 3/4	23.62	85
2	27	75
2 1/2	33.75	60
3	40.5	50
4	55	36
5	67.5	30
6	81	25
7	94.5	21
8	108	18

Concrete Requirements For Sonotube	
Column Diameter Inches)	Cubic Yard Concrete Per foot of height
6	.0073
8	.0129
10	.0202
12	.0291
14	.0396
16	.0617
18	.0654
20	.0808
22	.0978
24	.1164
26	.1386
28	.1584
30	.1818
32	.2069
34	.2335
36	.2618



Peninsula Building Materials Co.

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LIVERMORE YARD

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