FORMULAS...
- There are 2000 pounds in a ton.
- For most bulk materials, number of yards \( \times 1.5 = \) number of tons.
- Area of a square or rectangle = \( \text{width} \times \text{length} \)
- Area of a circle = \( 3.14 \times \text{radius} \times \text{radius} \)
- Volume of a cube = \( \text{width} \times \text{length} \times \text{height} \)
- Volume of a tube = \( 3.14 \times \text{radius} \times \text{radius} \times \text{height} \)
- 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 \( \times 400 = \) 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 \( \times \) 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

<table>
<thead>
<tr>
<th>Thickness in Inches</th>
<th>Pounds per SF</th>
<th>Approx. Coverage per Ton</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/2</td>
<td>6.75</td>
<td>300</td>
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<tr>
<td>3/4</td>
<td>10.12</td>
<td>200</td>
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<tr>
<td>1</td>
<td>13.5</td>
<td>150</td>
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<tr>
<td>1 1/4</td>
<td>16.87</td>
<td>120</td>
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<td>1 1/2</td>
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<tr>
<td>1 3/4</td>
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<td>94.5</td>
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Concrete Requirements For Sonotube

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<th>Column Diameter Inches</th>
<th>Cubic Yard Concrete Per foot of height</th>
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