

Parameters

Unit:

Earthworks Formworks Concrete Reinforcements Paint Tiles Masonry Misc.

**TILE AREA 1**

AREA:

TILE DIMENSIONS:

TILE ADHESIVE:

FACTOR OF SAFETY:

TILE GROUT:

**2kg only**

Computation for the required number of pieces of tiles with the given area:

Area 1 = 75 sqm

Chosen Tile Dimension= 600 x 600 mm

Tile adhesive: Regular

$$\frac{\text{Area}}{\text{Tile Area in meters}} = \frac{75}{0.6 * 0.6} = 208.33 \text{ or } 209 \text{ tiles}$$

10% factor of safety = 209 x 10% = 21 Tiles

Total number of tiles = 209 + 21 = **230 Tiles**

Adhesive computation:

A 25 kg bag is usually good for 3sqm

$$\frac{\text{Area}}{3 \text{ m}^2} = \frac{75 \text{ m}^2}{3 \text{ m}^2} = 25 \text{ pcs of } 25\text{kg bag of Adhesive}$$

Tile grout computation:

A 2 kg bag is usually good for 4sqm

$$\frac{\text{Area}}{4 \text{ m}^2} = \frac{75 \text{ m}^2}{4 \text{ m}^2} = 18.75 \text{ or } 19 \text{ pcs of } 2 \text{ kg bag of Adhesive}$$

230 pcs of 600 x 600 tiles (@152php each 600 x 600 tile)

230 x 152 = **P 34,960.00**

25 pcs of 25kg bag adhesive (@550 each heavy duty 25kg bag adhesive)

25 x 550 = **P 13,750.00**

19 pcs of 2kg Tile grout (@ 61php each 2kg Tile grout)

19 x 61 = **P 1,159.00**

**Total cost for 75 sqm= 34960+ 13750 + 1159 = P 49,869.00**

**For a square meter =49,869.00/75 = PHP 622.36**

**TOTAL MATERIAL COST = 46,677+3,192 = P 49,869.00**

**TOTAL LABOR COST = php248/m2 x area= 248 x 75 = php18600.00**

**GRAND TOTAL = P 49,869.00+ php18600.00 = P 68,469.00**