

## Doming Quantity Guidelines



Doming Thickness or Height is generally between 1.5 mm and 2.5 mm. For small sizes (less than about 30 mm in diameter), the thickness would be around 1,5 mm, and for larger sizes, up to 2.5 mm.

The first thing to do, is to calculate (or estimate) the Area of the item to be domed, in Square CENTIMETRES. For a circle, the formula is  $3.14 \times \text{Radius} \times \text{Radius}$  (Radius in CENTIMETRES)  
For a rectangle, it is Length x Breadth (in CENTIMETRES)

The next thing is to calculate the Volume in CUBIC CENTIMETRES (Which is equal to milliliters - ml )  
For this you multiply the area (calculated as above) by a number between 0.15 and 0.25 (height in CENTIMETRES) depending on the thickness or height of your dome. (See first Paragraph)

### Some Examples:

Circle

50 mm diameter

Area =  $3.14 \times 2.5 \times 2.5 = 19.625 \text{ cm}^2$  ( 2.5 = Radius of 50 mm circle in centimeters)

@ thickness of 1.5mm, Volume =  $19.625 \times 0.15 = 2.94 \text{ ml}$

@ thickness of 2.5mm, Volume =  $19.625 \times 0.25 = 4.91 \text{ ml}$

25 mm diameter

Area =  $3.14 \times 1.25 \times 1.25 = 4.9 \text{ cm}^2$  ( 1.25 = Radius of 25 mm circle in centimeters)

@ thickness of 1.5mm, Volume =  $4.9 \times 0.15 = 0.74 \text{ ml}$

Rectangle

25 mm x 50 mm

Area =  $2.5 \times 5 = 12.5 \text{ cm}^2$

@ thickness of 1.5mm, Volume =  $12.5 \times 0.15 = 1.88 \text{ ml}$

@ thickness of 2.5mm, Volume =  $12.5 \times 0.25 = 3.13 \text{ ml}$

To get the number of domes you get from a 50 ml cartridge, just divide the 50 ml by the mls calculated above. Same for the 600 ml, just divide the 600 ml by the ml calculated above.

NB. Remember to allow for wastage