

Solver Paints

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PRODUCT INFORMATION

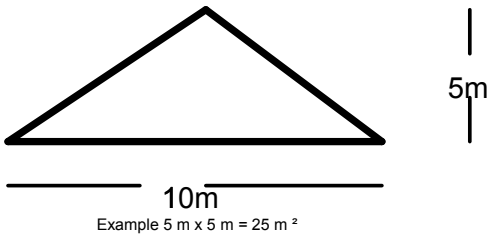
SS-116

AREA CALCULATIONS

To assist in calculating the areas of various surfaces to be painted the following formulae will be of assistance:-

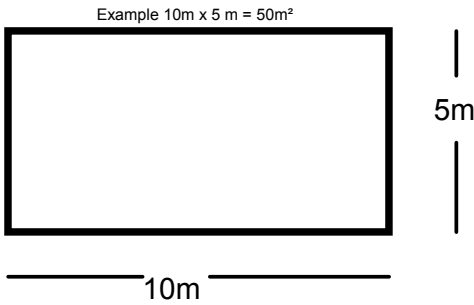
TRIANGLES. eg Gable Ends.

To calculate the area, multiply half the width of the base by the height.



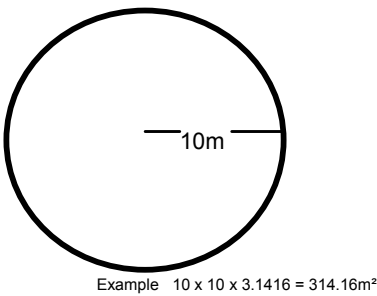
SQUARE OR RECTANGLE. eg, Wall, Floor, Ceiling.

To calculate the area, multiply the length by the height or width (Walls or Ceiling).



CIRCLE. eg, Top of tank, end of cylinder.

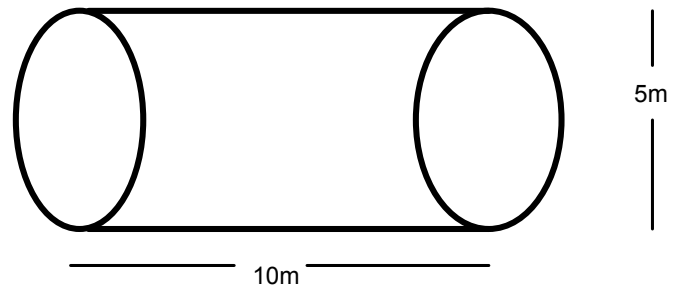
To calculate area of circle, multiply radius, ie, half the diameter, by itself and then by 3.1416



CYLINDER. eg, Outside of tank walls, a pipe etc.

To calculate the area of a cylinder, multiply the circumference (distance around the cylinder) by the length.

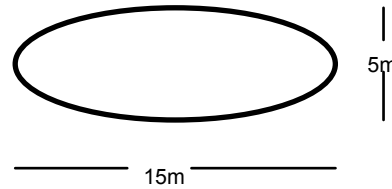
The circumference can be calculated by multiplying the diameter (width) by 3.1416.



Example Circumference = 5×3.1416
 = 15.708
 Area = $15.708 \times 10 = 157.08m^2$

OVAL.

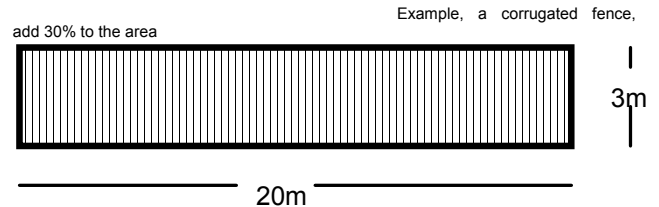
To calculate the area of an oval multiply the length by the width, multiply by 4 and divide by 5.



Example Length 15 metres
 Width 5 metres
 $\frac{15 \times 5 \times 4}{5} = 60m^2$

CORRUGATED SURFACES. eg, Roof, Fences, Rainwater tanks.

Add on an extra 30% to overall area.



ie, $20 \times 3 = 60m^2 + 30\% = 20m^2$
 therefore total area = $80m^2$



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ROOF DECKING OR SIMILAR PROFILE FENCES.

To calculate the area, add 45% to the overall area of the structure.

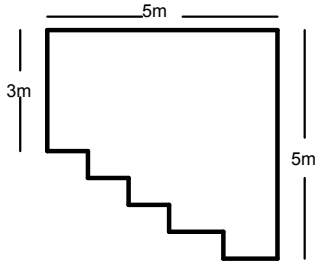


eg, Length x Height + 45%

For a fence 20 meters long and 3 metres high,
 $20 \times 3 = 60\text{m}^2 + 45\% = 27\text{m}^2$.
Therefore total area = 76m^2

STAIRWELL WALLS.

To calculate area of stairwell wall, measure height at top and bottom of stairs, add together, halve and multiply by length of Wall.



eg, $3\text{m} + 5\text{m} = 8\text{m} \div 2 = 4\text{m}$ therefore Average height = 4m
Area = $4\text{m} \times 5\text{m} = 20\text{m}^2$



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