

PAINT CALCULATIONS

Very often the price of paint is judged merely by its selling price. However, the actual cost incurred could be quite different than money paid per square meter, that determines the real cost.

To arrive at the square meter cost, we must first of all know the covering capacity per litre. Factors to consider are

- i) dry film thickness (DFT) recommended.
- ii) solid contents by volume.

So the equation for calculating theoretical covering capacity is :

$$\frac{\text{solids by volume} \times 10}{\text{DFT (microns)}} = \text{M}^2 / \text{litre}$$

Once we determine the coverage, the next step is to get price per meter square, for which we use the following equation.

$$\frac{\text{Price / litre}}{\text{theoretical covering capacity (M}^2/\text{l)}} = \text{DHS (price) / M}^2$$

NOTE : For converting theoretical in practical coverage the following should be the approximate percentage - wise deduction used in our calculation depending upon method of application :

- i) brush 10% - 15%
- ii) roller 20% - 30%
- iii) spray 30% - 60%

In above, taken into account factors such as wastage, spillage, substrate roughness, skill of painters etc.