# CALCULATING COATING REQUIREMENTS

Every coating company, applicator, contractor and salesman has their own way of determining the number of gallons required to achieve a given TDM (Total Dry Mil) specification. The following formula will aid in minimizing the potential of coating shortages.

### The Constant:

One gallon applied over 100 square feet will equal 16 wet mils. (.016 of an inch)

## Percentage of SBV (Solids by Volume):

Percent of solids that remain of the liquid after the solvents / carriers have flashed off and or evaporated.

## Loss Factor:

The loss factor is that portion of the liquid mass that has been consumed by wind, surface texture, overlap, clean up and waste.

#### **EXAMPLE**

Specified dry mil thickness for this job is 30 TDM (Total Dry Mils). The specified coating is 62% SBV (Solids By Volume).

This is the theoretical amount needed to cover 1 square and end up with 30 TDM (Total Dry Mills)

#### **LOSS FACTOR**

The loss factor we are using is 15%. Multiplying by 115% eliminates the need for additional computation.

3.024 X 115% = 3.48 GPS for the specified Minimum 30 TDM (Total Dry Mils).