Calculating Coverage Rates

Our mix design for this job is:

100 gallons sealer
30 gallons water (30% cut)
23 gallons sand (500 Lbs. or 5 Lbs./gal.)
153 Total mixed gallons

To find the amount of concentrated sealer needed for a job, use this formula:

153 ÷ 100 = 1.53 is the division factor

- **Assume Job is 5,500 sq. yd.**
- **Coverage Rate for 2 coats on average asphalt is .25 gal/sq. yd.**
- **As a result, 5,500 X .25 = 1,375 gallons of mix**
- **To be sure we have enough, we will mix 1,450 gallons for the job**
- **How do we know how much of that is Sealer, Water and Sand?**
- **Keep in mind, 22 lbs. of sand displaces 1 gallon of liquid**
- **We want 1,450 gallons of mixed sealer. Our division factor is 1.53:**

1,450 ÷ 1.53 = 948 gal concentrated sealer
948 x 0.30 = 285 gal water
948 x 5 = 217 gal sand (4,740 Lbs)
Total Mix = 1,450

Testing Coverage Rate

- **Record gallons in your mix tank**
- **Measure a 250 square yard area**
- **Apply product in measured area**
- **Measure tank to get actual gallons used**
- **If 1st coat coverage is .15 gallons per sq. yd., use the following formula:**

.15 x 250 = 37.5 gallons should have been used

- **Subtracting the actual gallons used from the gallons that should have been used will indicate light or heavy application.**