

### Application Rate: L/m<sup>3</sup>

0.2L per cubic meter

1 drum (200L) of Roadpacker Plus can accommodate a road base with dimension of 5,000sqm (considering 1km x 5m) by 0.2m depth of treatment or a road base volume of 1,000 cubic meter.

### Dilution Rate: Stabilizer to Water

1:50 - Fair Weather (considering sunny weather and dry materials)

Water is just a carrying agent, it varies depends with the factors that may encounter during site activities such as; (1) weather, (2) material characteristics, (3) current material moisture content, (4) area, if in open area, shady, rain forest & etc that may affect the stabilization.

### Computation/Formula: Liters

Area (L x W) x Depth (Road base Thickness) x Application Rate (0.2L per cubic meter)

### FDT improvement result

Average of 100% to 108%; it can go higher than this

### Load Bearing (CBR) improvements/result

CBR value can increase of 30%

### Road Mix Compositions

60% gravel, 30% in-situ soil, 10% sand (All weather Roads w/o surface course)

25% in-situ soil, 75% blended materials (can be subbase or base course)(All weather Roads w/o surface course)

50% in-situ soil, 50% aggregates(subbase or base course)(provided with surface course)

100% in-situ soil (provided with surface course)

### Area Stabilized per Drum / Liter

1 Drum (200L)

1 square meter : 0.04 Liter (RP+)

25 square meter : 1 Liter (RP+)

1,250 square meter : 50 Liters (RP+)

2,500 square meter : 100 Liter (RP+)

3,750 square meter : 150 Liters (RP+)

5,000 square meter : 200 Liters or 1 Drum (RP+)

### Volume Stabilized per Drum/ Liter

1 cubic meter : 0.2 Liter (RP+)

5 cubic meter : 1 Liters (RP+)

250 cubic meter : 50 Liters (RP+)

500 cubic meter : 100 Liters (RP+)

750 cubic meter : 150 Liters (RP+)

1,000 cubic meter : 200 Liters or 1 Drum (RP+)

### Testing Parameters

Granul- 100% passing sieve 3" and atleast 15% passing seive  
arity 200 to adopt minimum clay content requirement. The specific test we will require is the Particle Size Analysis.

Plasticity 10 to 15% (this is not for clay content but for checking  
Index plasticity and for soil composition analysis)

Soil PH 7 and 8

Laboratory Compaction Test

