

## GraniteCrete Math Sheet

- 1.25 cubic yards of GraniteCrete + decomposed granite covers 108 square feet at a 3-inch depth.
- 1.25 cubic yards of GraniteCrete + decomposed granite covers 82 square feet at a 4-inch depth.
- For pedestrian traffic pathways:
  - Calculation example for material amounts 1000 feet long by 3 feet wide:  
 $1000 \times 3 = 3,000$  square feet  $\times 0.25$  (**3 inches** is 0.25 of a foot) = 750 cubic feet divided by 27 (27 cubic feet in a cubic yard) = 28 cubic yards of decomposed granite.
  - **Add 25% for compaction.** 28 cubic yards  $\times 1.5$  (1 cubic yard decomposed granite equals 1.5 tons) = 42 Tons decomposed granite.
  - **You may want to add 5% for both calculations for grade variations, etc.**
- For vehicular traffic:
  - Calculation example for material amounts 1000 feet long by 3 feet wide:  
 $1000 \times 3 = 3,000$  square feet  $\times 0.33$  (**4 inches** is 0.33 of a foot) = 990 cubic feet divided by 27 = 37 cubic yards of decomposed granite = 55.5 Tons decomposed granite.
  - **Add 25% for compaction.**
  - **You may want to add 5% for both calculations for grade variations, etc.**
- Ratio – (3-bag mixture) The ratio for a 3-bag mixture is 10:1 (10 units of DG to 1 unit of GraniteCrete, measured in volume).
- The permeability rate is 1.08 inches per hour.