



Environmentally Friendly Path, track and Road Stabiliser and Dust Suppressant

### Stabilisation of Granitic Sand and Road material Mixing Table

#### Mixing Ratio:

Important: Soilbond needs to be added at a ratio of 2% to the dry weight of the material being treated.

Therefore 200 litres Soilbond or 200kg needs to be mixed into 10,000kg of material.

If you add water at the same time to make mixing easier this is fine as long as 200kg of Soilbond is added to 10 tonne or approx 6.25m<sup>3</sup> of material.

Note: Soilbond is a liquid and will contribute to the moisture required for Optimum Moisture Content (OMC)

#### **Example 1. Stabilisation of Granitic Sand**

<b>Amount of Soilbond</b>		<b>200 litres</b>
Soilbond Application Rate	2%	
Kg/tonnes of <b>compacted</b> soil stabilised with 200 l of Soilbond	200L / 0.02	10,000 kg or 10 tonne
Density of granitic sand	1.6t/m <sup>3</sup>	
Volume of compacted granitic sand to be stabilised	10 tonne divided by 1.6t/m <sup>3</sup>	6.25m <sup>3</sup>

#### Mixing Ratio Table:

<u>Dry Weight of Compacted Granitic Sand</u>	<u>Soilbond Required</u>
Based on compacted density of material 1.6t/m <sup>3</sup>	
<b>1 tonne or 0.6 m<sup>3</sup></b>	<b>20 litres or 20kg</b>
<b>1.6 tonne or 1 m<sup>3</sup></b>	<b>30 litres or 30 kg</b>
<b>5 tonne or 3 m<sup>3</sup></b>	<b>100 litres or 100kg</b>
<b>6 tonne or 3.6 m<sup>3</sup></b>	<b>120 litres or 120kg</b>
<b>8 tonne or 4.8 m<sup>3</sup></b>	<b>160 litres or 160kg</b>
<b>9 tonne or 5.4 m<sup>3</sup></b>	<b>180 litres or 180kg</b>
<b>10 tonne or 6 m<sup>3</sup></b>	<b>200 litres or 200 kg</b>
<b>15 tonne or 9 m<sup>3</sup></b>	<b>300 litres or 300kg</b>
<b>20 tonne or 12 m<sup>3</sup></b>	<b>400 litres of 400kg</b>