

# **ALEX SMILES LTD.**

## **WASTE RECYCLING LOGISTICS**

DEPTFORD TERRACE, DEPTFORD, SUNDERLAND, SR4 6DD TEL:(0191) 567 4659 FAX:(0191) 567 0847

### **Product Information Sheet**

#### **GSB Type 1, 6F2 and 3" Clean**

- **Other Names**

GSB  
Type 1  
Granular Sub-Base  
Sub-Base

- **Product Specification**

GRANULAR SUB-BASE (GSB) and 6F2 is a graded granular material, usually a "hard rock".

There are 2 types of GRANULAR SUB-BASE:- GSB Type 1 and GSB Type 2. GSB Type 1 has a "tight" grading envelope allowing much less fines and encouraging a "well graded" material. All stone is graded to between approx 6cm – Dust

3" Clean allows for larger stone upto 3 inches, without the fines (dust). 3" Clean adds Strength to underlying weaker subgrade, protecting it from wet weather. It provides a stronger platform for sub-base.

6F2 is a mixture of both GSB Type 1 and 3" Clean. An example of its use is for laying under porta-cabins.

These materials are available for either delivery or collection.

- **Use**

GSB Type 1 is used predominantly in road construction.

The SUB-BASE can also act as a drainage layer but it can only do so if you incorporate a drainage system (however basic) to remove the water from the sub-base.

SUB-BASE is also a load spreading layer, especially during construction, carrying site traffic and protecting the SUBGRADE, to an extent, (as long as conditions are not too wet).

- **Raw Materials**

The raw materials we use for GSB type 1 are predominantly brick and concrete recycled from building demolition.

- **Site Of Manufacture**

All recycling processes are done on our site in Deptford. We offer an open invitation to anyone who would like to visit our site to view any of our operations.

- **Manufacture Process**

Once the raw materials have been received over our weighbridge they are processed by a Rock Crusher, which reduces the size of the concrete and brick from boulders to small stones, which vary in size from dust to 6 cm diameter.

Once reduced in size the material is passed under a magnet, to ensure no metal contamination. It is then graded into Type 1 and 6F2

- **Specification Certificates**

Grading Certificates are available on request for GSB Type 1, as well as Frost Heave, Liquid Limit and Plasticity Index and Ten Percent Fines Value and Sulphate Tests.

- **Further Information**

For any further information please contact Kevin Cobb or Natalie Langley on 0191 5666 981