



Soil Property Testing Ltd.

Materials Division



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MPT INFORMATION PAPER –SH4 804 April 2008

Specification for Highway Works Clause 804 – Granular Sub-base material TYPE 2

TESTING REQUIRED FOR COMPLIANCE TO EUROPEAN STANDARDS. (BS EN 13285)

Grading designation 0/31.5G_E, Max fines UF₉, Oversize OC₇₅. G_E (SHW table 8/1)

| | Test | Method | Amount reqd. | Compliance |
|---|--|--|-----------------------------------|--|
| 1 | Particle Size Distribution | BS EN 933-1 | See Table 7/3 | Table 8/6 |
| 2 | Determination of Plasticity Index including wet sieve prep passing 0.425mm | BS1377:Part2:1990 | 20 grams passing 0.425mm | Less than 6 |
| 3 | Resistance to Fragmentation – Los Angeles Test | BS EN 1097-2:1998 | 10kg – passing 14mm retained 10mm | LA ₅₀ |
| 4 | Resistance to Freezing and Thawing – Magnesium Sulphate Soundness Test | BS EN 1367-2:1998 | 10kg – passing 14mm retained 10mm | MS ₃₅ |
| 5 | Water Absorbtion Test | BS EN 1097-6:2000 | | WA ₂₄ NR supplier to state |
| 6 | Testing for Constituent Materials in Recycled Coarse Aggregate and Recycled Concrete Aggregate | Specification for Highway Works Series 700 710 (05/01) | See Table 7/3 | Table 8/3 |
| | OTHER TESTS REQUIRED FOR PARTICULAR CONDITIONS | | | |
| A | Water Soluble Sulfate (Test No. 1) Oxidisable Sulfides (Test No. 2 and No. 4) Total Potential Sulfate (Test No. 4) | TRL Report 447 – BS EN 1744-3 | 2kg | SHW Clause 801 |
| B | Volume stability of blast furnace slag Dicalcium Silicate and Iron Disintegration | BE EN 1744-1:1998 19.1 & 19.2 | | Free from both |
| C | Volume stability of steel (BOF & EAF) slags | | | V ₅ |
| D | All other BS EN 13242 aggregate requirements | | | N _R |
| E | Dry Denisty/Moisture Content Relationship | BS1377:Part4:1990 | 80kg | |
| F | If greater than 50% asphalt (Class A) – Recovered bitumen content | BS598-102 | | not more than 10% |
| G | If greater than 50% asphalt (Class A) – Moisture content | Dried at 45°C to 50°C | | |