

# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

21 - 47 High Street, Feltham, Middlesex, TW13 4UN, UK

 <p>Accredited to ISO/IEC 17025:2005</p>	<h3>Soil Mechanics</h3> <p>Issue No: 011    Issue date: 09 December 2011</p>	
	<p>Unit 15, Crosby Yard Wildmill Bridgend Mid Glamorgan CF31 1JZ</p>	<p>Contact: Mr R Barnes Tel: +44 (0)1656 646588 Fax: +44 (0)1656 646606 E-Mail: lab.bridgend@esg.co.uk Website: www.esg.co.uk</p>
<p>Testing performed by the Organisation at the locations specified below</p>		

### Locations covered by the organisation and their relevant activities

#### Laboratory locations:

Location details	Activity	Location code
<p><b>Address</b> Unit 15, Crosby Yard Wildmill Bridgend Mid Glamorgan CF31 1JZ</p> <p><b>Local contact</b> Mr R Anstee Email: richard.anstee@esg.co.uk</p>	<p>Testing of aggregates, concrete and soils for civil engineering purposes</p>	A
<p><b>Address</b> Environmental Services Group Limited Unit 23A Marshgate Business Centre 10-12 Marshgate Lane Stratford London E15 2NH</p> <p><b>Local contact</b> Mr R Barnes Tel: +44 (0)208 221 3811 Fax: +44 (0)208 519 3163</p>	<p>Sampling and testing of aggregates, concrete, road pavement surfaces and soils for civil engineering purposes</p>	B

#### Site activities performed away from the locations listed above:

Location details	Activity	Location code
<p>All site locations suitable for the activities listed</p>	<p>Sampling and testing of aggregates, concrete, road pavement surfaces and soils for civil engineering purposes</p>	C



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DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
AGGREGATES	Particle size distribution sieving method	BS EN 933-1:1997	A, B
	Resistance to wear (micro Deval)	BS EN 1097-1:1996	A
	Water content by drying in a ventilated oven	BS EN 1097-5:1999	A, B
	Uniformity coefficient	Specification for Highway Works: Series 600:Table 6-1:Footnote 5	A, B
	Methods for sampling - from heaps - from laid material	BS EN 932-1:1996 BS EN 932-2:1996	A, B, C
CONCRETE - hardened	Compressive strength of cubes including curing	BS 1881:Part 116:1983 BS 1881:Part 111:1983 BS EN 12390-1:2000 BS EN 12390-2:2009 BS EN 12390-3:2009	A A A, B A, B A, B
	Cored specimens - examining and testing in compression	BS EN 12504-1:2009 BS EN 12390-1:2000	A, B
	Density	BS EN 12390-7:2009 BS 1881:Part 114:1983	A, B A
	Slump	BS EN 12350-2:2009 BS 1881:Part 102:1983	A, B, C
CONCRETE - fresh	Flow table test	BS EN 12350-5:2009	B, C
	Sampling fresh concrete on Site	BS EN 12350-1:2009 BS 1881:Part 101:1983	A, B, C
	Making and curing specimens for strength tests	BS EN 12390-2:2009 BS 1881:Part 108:1983	A, B, C
	Fibre content of fibre re-inforced concrete :	BS EN 14488-7:2006	B, C
	- Method A hardened sample - Method B fresh sample		



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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
SOILS for civil engineering purposes	Moisture content oven drying method	BS 1377:Part 2:1990	A, B
	Saturation moisture content of chalk	BS 1377:Part 2:1990	A
	Liquid limit - cone penetrometer	BS 1377:Part 2:1990	A, B
	Liquid limit - cone penetrometer - one point	BS 1377:Part 2:1990	A, B
	Plastic limit	BS 1377:Part 2:1990	A, B
	Plasticity index and liquidity index	BS 1377:Part 2:1990	A, B
	Particle size distribution - wet sieving	BS 1377:Part 2:1990	A, B
	Particle size distribution - dry sieving	BS 1377:Part 2:1990	A, B
	Particle size distribution sedimentation pipette method	BS 1377:Part 2:1990	A
	Density - linear dimensions	BS 1377:Part 2:1990	A
	Density - immersion in water	BS 1377:Part 2:1990	A
	Particle density - small pyknometer	BS 1377:Part 2:1990	A
	Particle density - gas jar	BS 1377:Part 2:1990	A
	California Bearing Ratio (CBR)	BS 1377:Part 4:1990	A
	Dry density/moisture content relationship (2.5 kg rammer)	BS 1377:Part 4:1990	A, B
	Dry density/moisture content relationship (4.5 kg rammer)	BS 1377:Part 4:1990	A, B
Dry density/moisture content relationship (vibrating hammer)	BS 1377:Part 4:1990	A, B	



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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
SOILS for civil engineering purposes (cont'd)	Moisture condition value (MCV)	BS 1377:Part 4:1990	A, B
	MCV - natural moisture content	BS 1377:Part 4:1990	A, B
	One-dimensional consolidation properties	BS 1377:Part 5:1990	A
	Undrained shear strength - triaxial compression without measurement of pore pressure	BS 1377:Part 7:1990	A
	Uniformity coefficient	Specification for Highway Works: Series 600:Table 6-1:Footnote 5	A, B
	In-situ density - sand replacement method (large pouring cylinder)	BS 1377:Part 9:1990	A, B, C
	In-situ density - sand replacement method (small pouring cylinder)	BS 1377:Part 9:1990	A, B, C
	In-situ density - core cutter Method	BS 1377:Part 9:1990	A, B, C
END			