Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

4071

Accredited to ISO/IEC 17025:2005

GeoTest Laboratories Limited

Issue No: 030 **Issue date:** 14 September 2009

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Testing performed by the Organisation at the locations specified below

Locations covered by the organisation and their relevant activities

Laboratory locations:

Location details		Activity	Location code
Address Fairclough House Church Street Adlington Chorley Lancashire PR7 4LB	**Local contact** Mrs Jo Latham Tel: +44 (0) 1257 481782	Aggregates: Mechanical Tests; Physical Tests Concrete: Mechanical Tests; Physical Tests Soils: Mechanical Tests; Physical Tests	Laboratory
Address LLW Repository Drigg Cumbria	**Local contact** Mrs Jo Latham Tel: +44 (0) 1257 481782	Concrete: Physical Tests	Drigg

Site activities performed away from the locations listed above:

Location details		Activity	Location code
All locations suitable for the activities listed	Contact: Mrs J Latham	Soils: Sampling; Mechanical Tests; Physical Tests	Site

DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
AGGREGATES	Sampling coarse, fine and all-in aggregates - from heaps - from a lorry-load - from laid material	BS 812-102:1989	Site
	Particle density and water absorption for aggregate all larger than 10mm	BS 812-2:1995	Lab
	Particle density and water absorption for aggregate between 40mm and 5mm	BS 812-2:1995	Lab
	Particle density and water absorption for aggregate 10mm nominal size and smaller	BS 812-2:1995	Lab
	Particle density and water absorption - alternative method for aggregate between 40mm and 5mm nominal size	BS 812-2:1995	Lab
	Particle size distribution - washing and sieving	BS 812-103 Section 103.1:1985	Lab
	Particle size distribution - dry sieving	BS 812-103 Section 103.1:1985	Lab
	Flakiness index	BS 812-105 Section 105.1:1989	Lab
	Ten per cent fines value - dry - particle size 10 mm and greater *(loads from 20 to 3000 kN)*	BS 812-111:1990	Lab
	Ten per cent fines value - soaked - particle size 10 mm and greater *(loads from 20 to 3000 kN)*	BS 812-111:1990	Lab
	Particle size distribution - sieving method	BS EN 933-1:1997	Lab
	Flakiness index	BS EN 933-3:1997	Lab

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
AGGREGATES	Particle density and water absorption - pyknometer method for aggregate particles between 4 mm and 31,5 mm	BS EN 1097-6:2000	Lab
	Particle density and water absorption - pyknometer method for aggregate particles between 0,063 mm and 4 mm	BS EN 1097-6:2000	Lab
	Resistance to fragmentation by the Los Angeles test method	BS EN 1097-2:1998	Lab
	Water content	BS EN 1097-5:1999	Lab
CONCRETE - fresh	Sampling fresh concrete on site - spot sample - composite sample	BS EN 12350-1:2000	Site
	Slump	BS EN 12350-2:2000	Site
	Flow	BS EN 12350-5:2000	Site
	Making test cubes in the laboratory	BS EN 12390-2:2000	Lab Drigg
	Making test cubes on site	BS EN 12390-2:2000	Site
CONCRETE - hardened	Compressive strength of cubes - including curing *(loads from 20 to 3000kN)*	BS 1881-116:1983 BS 1881-111:1983	Lab
	Compressive strength of cubes - including curing *(loads from 20 to 3000kN)*	BS EN 12390-3:2002 BS EN 12390-2:2000	Lab
	Curing of concrete cubes	BS EN 12390-2:2000	Drigg
	Compressive strength of cores *(loads from 20 to 3000kN)*	BS 1881-120:1983	Lab
	Density	BS 1881-114:1983	Lab
	Density	BS EN 12390-7:2000	Lab

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
SOILS for civil engineering purposes	Obtaining disturbed samples from excavating equipment	BS 5930:1981	Site
	Liquid limit - cone penetrometer	BS 1377-2:1990	Lab
	Liquid limit - cone penetrometer - one point	BS 1377-2:1990	Lab
	Plastic limit	BS 1377-2:1990	Lab
	Plasticity index and liquidity index	BS 1377-2:1990	Lab
	Particle density - small pyknometer	BS 1377-2:1990	Lab
	Particle size distribution - wet sieving	BS 1377-2:1990	Lab
	Particle size distribution - dry sieving	BS 1377-2:1990	Lab
	Particle size distribution - sedimentation - pipette method	BS 1377-2:1990	Lab
	Dry density/moisture content relationship (2.5 kg rammer)	BS 1377-4:1990	Lab
	Dry density/moisture content relationship (4.5 kg rammer)	BS 1377-4:1990	Lab
	Dry density/moisture content relationship (vibrating hammer)	BS 1377-4:1990	Lab
	Moisture condition value (MCV)	BS 1377-4:1990	Lab
	MCV - natural moisture content	BS 1377-4:1990	Lab
	California Bearing Ratio (CBR) *(loads from 0.04 to 30kN)*	BS 1377-4:1990	Lab

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
SOILS for civil engineering purposes	MCV/moisture content relation	BS 1377-4:1990	Lab
	One-dimensional consolidation properties	BS 1377-5:1990	Lab
	Permeability in a triaxial cell	BS 1377-6:1990	Lab
	Unconfined compressive strength - load frame method *(loads from 0.04 to 30 kN)*	BS 1377-7:1990	Lab
	Undrained shear strength - triaxial compression without measurement of pore pressure - cell pressure up to 800kPa *(loads from 0.04 to 30kN)*	BS 1377-7:1990	Lab
	In-situ density - sand replacement method (small pouring cylinder)	BS 1377-9:1990	Site
	In-situ density - sand replacement method (large pouring cylinder)	BS 1377-9:1990	Site
	In-situ density - core cutter method	BS 1377-9:1990	Site
	In-situ bulk density - nuclear method - compliance tests	BS 1377-9:1990	Site
	In-situ moisture density - nuclear method - compliance tests	BS 1377-9:1990	Site
	Vertical deformation and strength characteristics of soil by the plate loading test (loads from 1.4 to 75 kN)	BS 1377-9:1990	Site
	Equivalent CBR by plate bearing test *(loads* from 1.4 to 75 kN*)*	Design Manual for Roads and Bridges: Volume 7: Pavement design and Maintenance – Foundation HD 25/94 & IAN 76	Site

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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	Undrained shear strength of remoulded cohesive material *(loads from 0.04 to 30kN)*	Specification for Highway Works, TSO May 2004 Clause 633	Lab
END			