

Schedule of Accreditation

issued by

United Kingdom Accreditation Service

2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

 2788 Accredited to ISO/IEC 17025:2017	GEO Site and Testing Services Limited	
	Issue No: 021 Issue date: 01 February 2024	
	Unit 3-4 Heol Aur Dafen Industrial Estate Dafen, Llanelli Carmarthenshire SA14 8QN	Contact: Mr P Evans Tel: +44 (0)1554 784040 Fax: +44 (0)1554 784041 E-Mail: pevans@gstl.co.uk Website: www.gstl.co.uk

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 Unit 4 Heol Aur Dafen Industrial Estate Dafen Carmarthenshire SA14 8QN	Local contact Mr P Evans	Aggregates: physical tests Concrete - fresh: physical tests Concrete - hardened: physical tests Rock: point load test Soils: physical tests Stabilized materials: physical tests	Laboratory

Site activities performed away from the location listed above:

Location details		Activity	Location code
All locations suitable for the activities listed	Local contact Mr P Evans	Concrete - fresh: physical tests Soils: physical tests	Site



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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 933-1:2012	Laboratory
	Flakiness index	BS EN 933-3:2012	Laboratory
	Shape index	BS EN 933-4:2008	Laboratory
	Resistance to fragmentation by the Los Angeles test method	BS EN 1097-2:2020	Laboratory
	Loose bulk density and voids	BS EN 1097-3:1998	Laboratory
	Water content	BS EN 1097-5:2008	Laboratory
	Magnesium sulfate test	BS EN 1367-2:2009	Laboratory
CONCRETE - fresh	Slump	BS EN 12350-2:2019	Site
	Making cubic specimens for strength tests	BS EN 12390-2:2019	Laboratory / Site
	Curing cubic specimens for strength tests	BS EN 12390-2:2019	Laboratory
CONCRETE - hardened	Compressive strength of cubes - including curing; shape and dimensions	BS EN 12390-3:2019 BS EN 12390-2:2019 BS EN 12390-1:2021	Laboratory
	Density	BS EN 12390-7:2019	Laboratory
	Cored specimens - examining and testing in compression	BS EN 12504-1:2019	Laboratory
ROCK	Point load strength	ISRM commission on testing methods. Suggested method for determining point load strength, 1985	Laboratory
SOILS for civil engineering purposes	Moisture content - oven drying method	BS 1377-2:1990	Laboratory
	Saturation moisture content of chalk	BS 1377-2:1990	Laboratory



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SOILS for civil engineering purposes (cont'd)	Liquid limit - cone penetrometer - definitive method	BS 1377-2:1990	Laboratory
	Liquid limit - cone penetrometer - one point method	BS 1377-2:1990	Laboratory
	Plastic limit	BS 1377-2:1990	Laboratory
	Plasticity index	BS 1377-2:1990	Laboratory
	Linear shrinkage	BS 1377-2:1990 BS 1377-2:2022	Laboratory
	Density by linear measurement	BS 1377-2:1990	Laboratory
	Particle density - gas jar method	BS 1377-2:1990 BS 1377-2:2022	Laboratory
	Particle size distribution - wet sieving	BS 1377-2:1990	Laboratory
	Particle size distribution - dry sieving	BS 1377-2:1990	Laboratory
	Particle size distribution - sedimentation - pipette method	BS 1377-2:1990	Laboratory
	Dry density/moisture content relationship - 2.5 kg rammer	BS 1377-4:1990 BS 1377-2:2022	Laboratory
	Dry density/moisture content relationship - 4.5 kg rammer	BS 1377-4:1990 BS 1377-2:2022	Laboratory
	Dry density/moisture content relationship - vibrating hammer	BS 1377-4:1990 BS 1377-2:2022	Laboratory
MCV of a specimen of soil at its natural moisture / water content	BS 1377-4:1990 BS 1377-2:2022	Laboratory	



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SOILS for civil engineering purposes (cont'd)	MCV/moisture content relation	BS 1377-4:1990 BS 1377-2:2022	Laboratory
	California Bearing Ratio (CBR)	BS 1377-4:1990 BS 1377-2:2022	Laboratory
	One-dimensional consolidation properties	BS 1377-5:1990	Laboratory
	Permeability in a triaxial cell	BS 1377-6:1990	Laboratory
	Shear strength by direct shear (small shearbox apparatus)	BS 1377-7:1990	Laboratory
	Shear strength by direct shear (large shearbox apparatus)	BS 1377-7:1990	Laboratory
	Undrained shear strength - triaxial compression without measurement of pore pressure	BS 1377-7:1990	Laboratory
	Undrained shear strength - triaxial compression with multistage loading and without measurement of pore pressure	BS 1377-7:1990	Laboratory
	Consolidated-undrained triaxial compression test with measurement of pore pressure	BS 1377-8:1990	Laboratory
	Consolidated-drained triaxial compression test with measurement of volume change	BS 1377-8:1990	Laboratory
	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
Vertical deformation and strength characteristics by the incremental plate loading test	BS 1377-9:1990	Site	
In-situ California Bearing Ratio	BS 1377-9:1990	Site	



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SOILS for civil engineering purposes (cont'd)	Uniformity coefficient (221 2217)	BS 6100-2.2.1:1992	Laboratory
	Calculation of nominal CBR value using the plate bearing test	DMRB, IAN 73/06 Design of Pavement Foundations, Rev 1:2009	Site
	Determination of the permeability of clayey soils in a triaxial cell using the accelerated permeability test	Environment Agency R & D Technical Report P1-398/TR/2: January 2003	Laboratory
	Desiccation in clay soils (filter paper suction method)	BRE IP4/93, February 1993	Laboratory
	One dimensional swell / strain	Documented In-House Method No 001	Laboratory
STABILIZED MATERIALS for civil engineering purposes - cement-stabilized and lime-stabilized materials	Dry density/moisture content relationship (2.5 kg rammer)	BS 1924-2:1990	Laboratory
	Dry density/moisture content relationship (4.5 kg rammer)	BS 1924-2:1990	Laboratory
GEOTECHNICAL INVESTIGATION and TESTING - Laboratory testing of soil	Bulk density - linear measurement method	BS EN ISO 17892-2:2014	Laboratory
	Particle size distribution - sieving method	BS EN ISO 17892-4:2016	Laboratory
	Consolidated-undrained triaxial compression test on water saturated soils	BS EN ISO 17892-9:2018	Laboratory
	Consolidated-drained triaxial compression test on water saturated soils	BS EN ISO 17892-9:2018	Laboratory
	Direct shear test - large shearbox apparatus	BS EN ISO 17892-10:2018	Laboratory
	Liquid limit - fall cone method	BS EN ISO 17892-12:2018+A1 2021	Laboratory
	Liquid limit - fall cone method	BS EN ISO 17892-12:2018+A1 2021	Laboratory
	Liquid limit - one-point method	BS EN ISO 17892-12:2018+A1 2021	Laboratory



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GEOTECHNICAL INVESTIGATION and TESTING - Laboratory testing of soil (cont'd)	Plastic limit	BS EN ISO 17892-12:2018+A1 2021	Laboratory
	Plasticity index	ISO 17892-12:2018+A1 2021	Laboratory
END			