


# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

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

 <p>1265</p> <p>Accredited to ISO/IEC 17025:2005</p>	<p><b>Soil Engineering</b> A trading name of <b>Vinci Construction UK Limited</b></p> <p>Issue No:025    Issue date: 24 November 2010</p>	
	<p>Parkside Lane Dewsbury Road Leeds LS11 5SX</p>	<p>Contact: Mr K Walker Tel: +44 (0)113 385 9157 Fax: +44 (0)113 276 0472 E-Mail: Kevin.walker@vinciconstruction.co.uk Website: www.vinciconstruction.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> Parkside Lane Dewsbury Road Leeds LS11 5SX</p> <p><b>Contact</b> Mr K Walker</p>	<p>Testing: Aggregates; physical tests Rock; physical tests Soils; physical tests</p>	Laboratory

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

Location details	Activity	Location code
<p>All locations suitable for the activities listed</p> <p><b>Contact</b> Mr K Walker</p>	<p>Testing: Soils; physical tests</p>	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	Soundness	BS 812:Part 121:1989	Laboratory
	Magnesium sulphate test	BS EN 1367-2: 2009	Laboratory
ROCK	Point load strength and anisotropy indices (loads from 0.05 to 50 kN)	ISRM Commission on Testing Methods. Suggested Method for Determining Point Load Strength 1985	Laboratory
	Water content	ISRM Suggested Methods - Rock Characterization Testing and Monitoring. Ed. E T Brown - 1981	Laboratory
	Porosity and density - by saturation and calliper techniques	ISRM Suggested Methods - Rock Characterization Testing and Monitoring. Ed. E T Brown - 1981	Laboratory
	Porosity and density - by saturation and buoyancy techniques	ISRM Suggested Methods - Rock Characterization Testing and Monitoring, Ed. E T Brown - 1981	Laboratory
	Slake-durability index	ISRM Suggested Methods - Rock Characterization Testing and Monitoring. Ed. E T Brown - 1981	Laboratory
	Uniaxial compressive strength (loads from 0-2000 Kn)	ISRM Suggested Methods – Rock Characterization Testing and Monitoring. Ed. E T Brown - 1981	Laboratory
	Strength and deformability under uniaxial compression (Young's Modulus and Poisson's Ratio) (loads from 0-2000 Kn)	ISRM Suggested Methods – Rock Characterization Testing and Monitoring. Ed. E T Brown - 1981	Laboratory
	Determination of Schmidt rebound hardness.	ISRM Suggested Methods – Rock Characterization Testing and Monitoring. Ed. E T Brown - 1981	Laboratory
SOILS for civil engineering purposes	Moisture content - oven drying method	BS 1377:Part 2:1990	Laboratory
	Saturation moisture content of chalk	BS 1377:Part 2:1990	Laboratory



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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)	Liquid limit - cone penetrometer	BS 1377:Part 2:1990	Laboratory
	Liquid limit - cone penetrometer - one point	BS 1377:Part 2:1990	Laboratory
	Plastic limit	BS 1377:Part 2:1990	Laboratory
	Plasticity index and liquidity index	BS 1377:Part 2:1990	Laboratory
	Linear shrinkage	BS 1377:Part 2:1990	Laboratory
	Density - linear measurement	BS 1377:Part 2:1990	Laboratory
	Density - immersion in water	BS 1377:Part 2:1990	Laboratory
	Density - water displacement	BS 1377:Part 2:1990	Laboratory
	Particle density - gas jar	BS 1377:Part 2:1990	Laboratory
	Particle density - small pyknometer	BS 1377:Part 2:1990	Laboratory
	Particle size distribution - wet sieving	BS 1377:Part 2:1990	Laboratory
	Particle size distribution - dry sieving	BS 1377:Part 2:1990	Laboratory
	Particle size distribution - sedimentation - pipette method	BS 1377:Part 2:1990	Laboratory
	Particle size distribution - sedimentation - hydrometer method	BS 1377:Part 2:1990	Laboratory
	Dry density/moisture content relationship (2.5 kg rammer)	BS 1377:Part 4:1990	Laboratory
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SOILS for civil engineering purposes (cont'd)	Dry density/moisture content relationship (vibrating hammer)	BS 1377:Part 4:1990	Laboratory
	Moisture condition value (MCV)	BS 1377:Part 4:1990	Laboratory
	Moisture condition value (MCV)	TRL Report 273 : Use and application of the MCA with particular reference to glacial tills. (G D Matheson & M G Winter)	Laboratory
	Chalk crushing value	BS 1377:Part 4:1990	Laboratory
	California Bearing Ratio (CBR) (loads from 0.05 to 50 kN)	BS 1377:Part 4:1990	Laboratory
	One-dimensional consolidation properties	BS 1377:Part 5:1990	Laboratory
	Determination of swelling and collapse characteristics –	BS 1377:Part 5: 1990	Laboratory
	Permeability - constant head method	BS 1377:Part 5:1990	Laboratory
	Consolidation properties using a hydraulic cell	BS 1377:Part 6:1990	Laboratory
	Permeability in a hydraulic consolidation cell	BS 1377:Part 6:1990	Laboratory
	Permeability in a triaxial cell	BS 1377:Part 6:1990	Laboratory
	Shear strength - small shear box (loads from 0.05 to 50 kN)	BS 1377:Part 7:1990	Laboratory
	Residual strength - small ring shear apparatus (loads from 0.05 to 10 kN)	BS 1377:Part 7:1990	Laboratory
Unconfined compressive strength - load frame method (loads from 0.05 to 50 kN)	BS 1377:Part 7:1990	Laboratory	



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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)	Undrained shear strength - triaxial compression without measurement of pore pressure <i>(loads from 0.05 to 50 kN)</i>	BS 1377:Part 7:1990	Laboratory
	Shear strength - large shear box <i>(loads from 0.05 to 50 Kn)</i>	BS 1377 Part 7:1990	Laboratory
	Undrained shear strength - triaxial compression with multistage loading and without measurement of pore pressure <i>(loads from 0.05 to 50 kN)</i>	BS 1377:Part 7:1990	Laboratory
	Effective shear strength - consolidated-undrained triaxial compression test with measurement of pore pressure <i>(loads from 0.05 to 50 kN)</i>	BS 1377:Part 8:1990	Laboratory
	Effective shear strength - consolidated-drained triaxial compression test with measurement of volume change <i>(loads from 0.05 to 50 kN)</i>	BS 1377:Part 8:1990	Laboratory
	Effective shear strength - consolidated drained multistage triaxial compression test with measurement of volume change <i>(loads from 0.05 to 50 kN)</i>	Documented In-House Method based on K H Head: Manual of Soils Testing, Vol 3	Laboratory
	Effective shear strength - consolidated undrained multistage triaxial compression test with measurement of pore pressure <i>(loads from 0.05 to 50 kN)</i>	Documented In-House Method based on K H Head: Manual of Soils Testing, Vol 3	Laboratory
	In-situ California Bearing Ratio (CBR) <i>(loads from 0.2 to 14kN)</i>	BS 1377:Part 9:1990	Site
	In-situ density - sand replacement method (small pouring cylinder)	BS 1377:Part 9:1990	Site



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SOILS for civil engineering purposes (cont'd)	In-situ density - sand replacement method (large pouring cylinder)	BS 1377:Part 9:1990	Site
	In-situ density - core cutter method	BS 1377:Part 9:1990	Site
END			