


# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

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

 <p><b>0126</b></p> <p>Accredited to ISO/IEC 17025: 2005</p>	<h3>Terra Tek Limited</h3> <p><b>Issue No: 031    Issue date: 13 February 2009</b></p>	
	<p><b>Mineral Lane</b> <b>Amersham Road</b> <b>Chesham</b> <b>Bucks</b> <b>HP5 1NL</b></p>	<p><b>Contact: Mr G Watson</b> <b>Tel: +44 (0)1494-810136</b> <b>Fax: +44 (0)1494-784837</b> <b>E-Mail: chesham@terratek.co.uk</b> <b>Website: www.terratek.co.uk</b></p>
<p><b>Testing performed by the Organisation at the locations specified below</b></p>		

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

#### Laboratory locations:

Location details		Activity	Location code
<p><b>Address</b></p> <p>Mineral Lane Amersham Road Chesham Bucks HP5 1NL</p>	<p><b>Local contact</b></p> <p>Contact: Mr G Watson Tel: +44 (0)1494-810136 Fax: +44 (0)1494-784837 E-Mail: chesham@terratek.co.uk Website: www.terratek.co.uk</p>	<p>Testing ; Aggregates – physical test Soils – mechanical &amp; physical tests</p>	<p>Laboratory</p>

#### 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>Address</b></p> <p>Mineral Lane Amersham Road Chesham Bucks HP5 1NL</p>	<p><b>Local contact</b></p> <p>Contact: Mr G Watson Tel: +44 (0)1494-810136 Fax: +44 (0)1494-784837 E-Mail: chesham@terratek.co.uk Website: www.terratek.co.uk</p>	<p>Testing Soils – physical tests</p>	<p>Site</p>



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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 - washing and sieving	BS EN 933-1:1997	Laboratory
SOILS for civil engineering purposes	<u>Mechanical Tests</u>		
	Moisture content - oven drying method	BS 1377:Part 2:1990	Laboratory
	Saturation moisture content of chalk	BS 1377:Part 2:1990	Laboratory
	<u>Physical Tests</u>		
	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
	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	



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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)	<u>Physical Tests</u> (Cont'd)		
	Particle size distribution - sedimentation - pipette method	BS 1377:Part 2:1990	Laboratory
	Dry density/moisture content relationship (2.5 kg rammer)	BS 1377:Part 4:1990	Laboratory
	Dry density/moisture content relationship (4.5 kg rammer)	BS 1377:Part 4:1990	Laboratory
	Dry density/moisture content relationship (vibrating hammer)	BS 1377:Part 4:1990	Laboratory
	Moisture condition value (MCV)	BS 1377:Part 4:1990	Laboratory
	Chalk crushing value	BS 1377:Part 4:1990	Laboratory
	California Bearing Ratio (CBR) (loads from 0 to 50kN)	BS 1377:Part 4:1990	Laboratory
	One dimensional consolidation properties	BS 1377:Part 5:1990	Laboratory
	Swelling and collapse characteristics	BS 1377:Part 5:1990	Laboratory
	Permeability - constant head method	BS 1377:Part 5:1990	Laboratory
	Dispersibility - pinhole method	BS 1377:Part 5:1990	Laboratory
	Permeability in a triaxial cell	BS 1377:Part 6:1990	Laboratory
Shear strength – small shearbox (loads from 0 to 5kN)	BS 1377:Part 7:1990	Laboratory	
Shear strength – large shearbox (loads from 0 to 100 kN)	BS 1377:Part 7:1990	Laboratory	



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SOILS for civil engineering purposes (Cont'd)	<u>Physical Tests</u> (Cont'd)		
	Unconfined compressive strength - load frame method (loads from 0 to 100 kN)	BS 1377:Part 7:1990	Laboratory
	Undrained shear strength - triaxial compression without measurement of pore pressure (loads from 0 to 100 kN)	BS 1377:Part 7:1990	Laboratory
	Undrained shear strength - triaxial compression with multistage loading and without measurement of pore pressure (loads from 0 to 100 kN)	BS 1377:Part 7:1990	Laboratory
	Effective shear strength - consolidated-undrained triaxial compression test with measurement of pore pressure (loads from 0 to 100 kN)	BS 1377:Part 8:1990	Laboratory
	Effective shear strength - consolidated-drained triaxial compression test with measurement of volume change (loads from 0 to 100 kN)	BS 1377:Part 8:1990	Laboratory
	Effective angle of internal friction and effective cohesion (loads from 0 to 100 kN)	Specification for Highway Works, HMSO December 1991 Clause 636 using Large Shearbox	Laboratory
Coefficient of friction and adhesion between fill and reinforcing elements or anchor elements (loads from 0 to 100 kN)	Specification for Highway Works, HMSO December 1991 Clause 639 using Large Shearbox	Laboratory	



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SOILS for civil engineering purposes (Cont'd)	<u>Physical Tests</u> (Cont'd)		
	Effective shear strength - (isotropically) consolidated drained multistage triaxial compression test with measurement of volume change (loads from 0 to 100 kN)	Documented In-House Method No TP120	Laboratory
	Effective shear strength - (isotropically) consolidated undrained multistage triaxial compression test with measurement of pore pressure (loads from 0 to 100 kN)	Documented In-House Method No TP120	Laboratory
	Horizontal permeability of road drainage layers - using the permeability box	DTp HA 41/90	Laboratory
	Uniformity coefficient (221 2217)	BS 6100:Subsection 2.2.1:1992	Laboratory
	In-situ density - sand replacement method (small pouring cylinder)	BS 1377:Part 9:1990	Site
	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
	In-situ bulk density - nuclear method - absolute tests	BS 1377:Part 9:1990	Site
	In-situ bulk density - nuclear method - comparative tests	BS 1377:Part 9:1990	Site
In-situ moisture density - nuclear method - absolute tests	BS 1377:Part 9:1990	Site	



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SOILS for civil engineering purposes (Cont'd)	<u>Physical Tests</u> (Cont'd)		
	In-situ moisture density - nuclear method - comparative tests	BS 1377:Part 9:1990	Site
	In-situ California Bearing Ratio (CBR)	BS 1377:Part 9:1990	Site
	Vertical deformation and strength characteristics of soil by the plate loading test (loads from 20 to 500kN)	BS 1377:Part 9:1990	Site
END			