


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>Fugro Engineering Services Limited</h3> <p>Issue No: 017 Issue date: 26 November 2007</p>	
	<p>Armstrong House Unit 43 Number One Industrial Estate Medomsley Road Consett Co Durham DH8 6TW</p>	<p>Contact: Mr J D Ashworth Tel: +44 (0)1207-581120 Fax: +44 (0)1207-581609 E-Mail: j.ashworth@fes.co.uk Website: www.fes.co.uk</p>
<p>Testing performed at the above address only</p>		

DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
ROCK	<p>Point load strength and anisotropy indices</p> <p>Water content</p> <p>Porosity and density - by saturation and calliper techniques</p> <p>Porosity and density - by saturation and buoyancy techniques</p> <p>Slake-durability index</p>	<p>The Complete ISRM Suggested Methods for Rock Characterisation, Testing and Monitoring:1974-2006. Editors: R Ulusay & J A Hudson</p>
SOILS for civil engineering purposes	<p>California Bearing Ratio (CBR)</p> <p>Shear strength by direct shear (small shear box apparatus)</p> <p>Shear strength by direct shear (large shear box apparatus)</p> <p>Unconfined compressive strength - load frame method</p> <p>Undrained shear strength - triaxial compression without measurement of pore pressure</p>	<p>BS 1377:Part 4:1990</p> <p>BS 1377:Part 7:1990</p> <p>BS 1377:Part 7:1990</p> <p>BS 1377:Part 7:1990</p> <p>BS 1377:Part 7:1990</p>



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SOILS for civil engineering purposes (Cont'd)	Undrained shear strength - triaxial compression with multistage loading and without measurement of pore pressure	BS 1377:Part 7:1990
	Moisture content - oven drying method	BS 1377:Part 2:1990
	Saturation moisture content of chalk	BS 1377:Part 2:1990
	Liquid limit - cone penetrometer	BS 1377:Part 2:1990
	Liquid limit - cone penetrometer - one point	BS 1377:Part 2:1990
	Plastic limit	BS 1377:Part 2:1990
	Plasticity index and liquidity index	BS 1377:Part 2:1990
	Density - linear measurement	BS 1377:Part 2:1990
	Density - immersion in water	BS 1377:Part 2:1990
	Density - water displacement	BS 1377:Part 2:1990
	Particle density - gas jar	BS 1377:Part 2:1990
	Particle size distribution - wet sieving	BS 1377:Part 2:1990
	Particle size distribution - dry sieving	BS 1377:Part 2:1990
	Particle size distribution - sedimentation - pipette method	BS 1377:Part 2:1990
	Dry density/moisture content relationship (2.5 kg rammer)	BS 1377:Part 4:1990
Dry density/moisture content relationship (4.5 kg rammer)	BS 1377:Part 4:1990	
Dry density/moisture content relationship (vibrating hammer)	BS 1377:Part 4:1990	



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SOILS for civil engineering purposes (Cont'd)	Moisture condition value (MCV)	BS 1377:Part 4:1990
	Chalk crushing value	BS 1377:Part 4:1990
	One-dimensional consolidation properties	BS 1377:Part 5:1990
END		