


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 Accredited to ISO/IEC 17025:2005	Murray Rix (Northern) Ltd	
	Issue No: 025	Issue date: 10 October 2018
	Unit 33C Vauxhall Industrial Estate Greg Street Reddish Stockport SK5 7BR	Contact: Mr S Hutchings Tel: +44 (0)161 475 0870 E-Mail: steve@murrayrix.com Website: www.murrayrix.com
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 33C Vauxhall Industrial Estate Greg Street Reddish Stockport SK5 7BR	Local contact Mr S Hutchings	Testing: Aggregates - mechanical & physical tests Bituminous mixtures - physical tests Concrete - mechanical & physical tests Soils - physical tests	Laboratory

Site activities performed away from the locations listed above:

Location details	Activity	Location code
All locations suitable for the activities listed	Contact: Mr S Hutchings Sampling: Aggregates Testing: 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	Methods for sampling - from stockpiles	BS EN 932-1:1997 Clause 8.8	Site
	Ten percent fines value - dry - particle size 10mm and greater	BS 812:Part 111:1990	Laboratory
	Ten percent fines value - soaked - particle size 10mm and greater	BS 812:Part 111:1990	Laboratory
	Particle size distribution - sieving method	BS EN 933-1:2012	Laboratory
	Classification – constituents of recycled aggregate	BS EN 933-11:2009	Laboratory
	Resistance to fragmentation by the Los Angeles Method	EN 1097-2:2010	Laboratory
	Water content - drying in a ventilated oven	BS EN 1097-5:2008	Laboratory
BITUMINOUS MIXTURES for roads and other paved areas	Soluble binder content by recovery, using bottle rotation machine, bucket centrifuge type 1 and volume calculation	BS EN 12697-1:2012	Laboratory
	Particle size distribution	BS EN 12697-2:2002	Laboratory
	Bulk density - sealed specimen	BS EN 12697-6:2012	Laboratory
	Percentage refusal density (PRD)	BS EN 12697-32:2003 BS EN 12697-6:2003 BS EN 12697-9:2002	Laboratory
	Determination of the thickness of bituminous pavements	BS EN 12697-36:2003	Laboratory



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CONCRETE - hardened	Compressive strength of cubes - including curing <i>(loads from 20 to 2000kN)</i>	BS EN 12390-3:2009 BS EN 12390-1:2012 BS EN 12390-2:2009	Laboratory
	Density	BS EN 12390-7:2009	Laboratory
	Cored specimens - examining and testing in compression <i>(loads from 20 to 2000kN)</i>	BS EN 12504-1:2009	Laboratory
SOILS for civil engineering purposes	Moisture content - oven drying method	BS 1377:Part 2:1990	Laboratory
	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
	Particle size distribution - wet sieving	BS 1377:Part 2:1990	Laboratory
	Particle size distribution - dry sieving	BS 1377:Part 2:1990	Laboratory
	Uniformity coefficient	Specification for Highway Works table 6/1 footnote 5	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) - natural moisture content	BS 1377:Part 4:1990	Laboratory Site	



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SOILS for civil engineering purposes (cont'd)	California Bearing Ratio (CBR)	BS 1377:Part 4:1990	Laboratory
	Measurement of swelling of soaked CBR specimen	BS 1377- 4:1990	Laboratory
	Permeability in a triaxial cell	BS 1377-6:1990	Laboratory
	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
	In-situ density - core cutter method	BS 1377:Part 9:1990	Site
	In-situ density - sand replacement method (large pouring cylinder)	BS 1377:Part 9:1990	Site
	In-situ bulk density - nuclear method - compliance tests	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 - compliance tests	BS 1377:Part 9:1990	Site
	In-situ moisture 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)	Vertical deformation and strength characteristics by the plate loading test	BS 1377:Part 9:1990	Site
	Calculation of Equivalent CBR value using the plate bearing test	Design Manual for Roads and Bridges: Volume 7: Pavement Design and Maintenance - Foundations - IAN 73/06 Rev 1 (2009)	Site
UNBOUND and HYDRAULICALLY BOUND MIXTURES	Laboratory reference density and water content - vibrating hammer	BS EN 13286-4:2003	Laboratory
	Moisture condition value (MCV) - natural moisture content	BS EN 13286-46:2003	Laboratory Site
	California bearing ratio	BS EN 13286-47:2012	Laboratory
END			