

Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 <p>Accredited to ISO/IEC 17025:2005</p>	<h3>Construction Testing Services</h3> <p>Issue No: 017 Issue date: 15 May 2017</p>	
	<p>The Old Mill Business Park Seven Mile Straight Muckamore Antrim Co Antrim Northern Ireland BT41 4QE</p>	<p>Contact: Mr R Browne Tel: +44 (0)28 94 469191 Fax: +44 (0)28 94 469494 E-Mail: rb@constructiontestingservices.com Website: www.constructiontestingservices.com</p>
<p>Testing performed by the Organisation at the locations specified below</p>		

Locations covered by the organisation and their relevant activities

Location details	Activity	Location code
<p>Address The Old Mill Business Park Seven Mile Straight Muckamore Antrim Co Antrim Northern Ireland BT41 4QE</p> <p>Local contact Mr R Browne</p>	<p>Testing: Soils and Aggregates - physical and mechanical tests; Bituminous Mixtures – physical and mechanical tests; Concrete - mechanical & physical tests; Unbound and hydraulically bound mixtures - mechanical tests</p>	A

Site activities performed away from the location A listed above:

Location details	Activity	Location code
<p>All locations suitable for the activities listed</p> <p>Contact: Mr R Browne</p>	<p>Sampling: Aggregates, Bituminous & Concrete Testing: Concrete - physical tests; Soils – physical and mechanical tests</p> <p>Road Pavement Surfaces – physical tests</p>	S



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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	Sampling aggregates - from stockpiles	BS EN 932-1:1997	S
	Methods for reducing laboratory samples - using a riffle box; - reduction by quartering; - to a test portion of a specified mass within a small tolerance	BS EN 932-2:1999	A & S
	Particle size distribution - sieving method	BS EN 933-1:2012	A
	Particle shape - flakiness index	BS EN 933-3:2012	A
	Assessment of fines - methylene blue test	BS EN 933-9:2009 + A1: 2013	A
	Classification test for the constituents of coarse recycled aggregate	BS EN 933-11:2009	A
	Micro-Deval coefficient	BS EN 1097-1:2011	A
	Resistance to fragmentation by the Los Angeles Method	BS EN 1097-2:2010	A
	Loose bulk density	BS EN 1097-3:1998	A
	Apparent (bulk) density of filler in kerosene	BS EN 1097-3:1998	A
	Water content - drying in a ventilated oven	BS EN 1097-5:2008	A
	Particle density and water absorption - pycnometer method for aggregate particles between 4 mm and 31,5 mm	BS EN 1097-6:2013	A
	Particle density and water absorption - pycnometer method for aggregate particles between 0,063 mm and 4 mm	BS EN 1097-6:2013	A
Polished stone value	BS EN 1097-8:2009	A	



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AGGREGATES (cont'd)	Aggregate abrasion value	BS EN 1097-8:2009	A
	Magnesium sulfate test (excluding simple petrographical description and Annex B & C)	BS EN 1367-2:2009	A
	Aggregate crushing value - particle size 10 mm and greater	BS 812-110:1990	A
	Ten per cent fines value - dry - particle size 10 mm and greater	BS 812-111:1990	A
	Ten per cent fines value - soaked - particle size 10 mm and greater	BS 812-111:1990	A
	Aggregate impact value - dry	BS 812-112:1990	A
	Aggregate impact value - soaked	BS 812-112:1990	A
BITUMINOUS MIXTURES FOR ROADS AND OTHER PAVED AREAS	Particle size distribution	BSEN 12697-2:2015	A
	Sampling - from around the augers of a paver; - from workable material in heaps; - of finished material; core cutting method; - coated chippings from stockpiles	BSEN 12697-27:2001	S
	Preparation of samples for the determining binder content, water content and grading	BSEN 12697-28:2001	A, S
	Binder content by ignition	BSEN 12697-39:2012	A



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CONCRETE - fresh	Sampling fresh concrete on site - spot sample	BS EN 12350-1:2009	S
	Sampling fresh concrete on site - composite sample	BS EN 12350-1:2009	S
	Slump	BS EN 12350-2:2009	S
	Making test cubes	BS EN 12390-2:2009	S
	Air content	BS EN 12350-7:2009	S
CONCRETE - hardened	Compressive strength of cubes - including shape and dimensions and curing	BS EN 12390-3:2009 BS EN 12390-1:2012 BS EN 12390-2:2009	A A A
	Density	BS EN 12390-7:2009	A
	Cored specimens - examining and testing in compression	BS EN 12504-1:2009	A
PAVED SURFACES	Slip/skid resistance of a surface – the pendulum test	BS EN 13036-4:2011	S
SURFACES	Skid resistance value	BS 7976-2:2002 + A1:2013	S
ROAD PAVEMENT SURFACES	Texture depth – by sand patch method	BS 598-105:2000	S
	Surface macrotexture depth using a volumetric patch technique	BSEN 13036-1:2010	S
SOILS for civil engineering purposes	Plastic limit	BS 1377-2:1990	A
	Liquid limit (cone penetrometer) - definitive method - one point method	BS 1377-2:1990	A
	Plasticity index	BS1377-2:1990	A



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SOILS for civil engineering purposes (cont'd)	Moisture Content	BS 1377-2:1990	A
	Particle size distribution – wet sieving	BS 1377-2:1990	A
	Particle size distribution - dry sieving	BS 1377-2:1990	A
	Uniformity coefficient	Specification for Highway Works Series 600 Table 6/1 Footnote 5	A
	Electronic Method of pH Determination	BS 1377-3:1990	A
	Dry Density/ Moisture content relationship - 2.5 kg Hammer - 4.5kg Hammer - Vibrating Hammer	BS 1377-4:1990	A
	MCV(Natural Moisture Content)	BS 1377-4:1990	A
SOILS for civil engineering purposes (cont'd)	MCV/Moisture Content Relationship	BS 1377-4:1990	A
	In-situ Density - Sand Replacement Method (large pouring cylinder)	BS 1377-9:1990	S
	- Sand Replacement Method (small pouring cylinder)	BS 1377-9:1990	S
	In-situ Density - Core cutter method	BS 1377-9:1990	S
	In-situ bulk density – nuclear method; - comparative tests; - absolute tests	BS 1377-9:1990	S
	Vertical deformation and strength characteristics by the increment plate loading test	BS1377-9:1990	S



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SOILS for civil engineering purposes (cont'd)	Determination of equivalent CBR value using the plate bearing test	Design Manual for Roads and Bridges. Volume 7: Pavement Design and Maintenance. IAN 73/06 Rev 1 (2009):Foundations	S
	Dynamic Cone Penetrometer	IAN 73/06	S
UNBOUND and HYDRAULICALLY BOUND MIXTURES	Test methods for laboratory reference density and water content – Vibrating hammer	BSEN 13286-4: 2003	A
END			