


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 0731 Accredited to ISO/IEC 17025:2005	Surrey County Council	
	Issue No: 037 Issue date: 27 March 2012	
	Highways Asset Planning Group Materials Building G Merrow Lane Guildford Surrey GU4 7BQ	Contact: Mr P Parker Tel: +44 (0)1483 517441 Fax: +44 (0)1483 517445 E-Mail: phil.parker@surreycc.gov.uk

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 Highways Asset Planning Group Materials Building G Merrow Lane Guildford GU4 7BQ	Local contact Mr P Parker	Testing of aggregates, recycled aggregates, bitumens and bituminous mixtures, concrete and soils for civil engineering purposes	A

Site activities performed away from the locations listed above:

Location details		Activity	Location code
All site locations suitable for the activities listed		Sampling and testing of aggregates, bituminous mixtures, concrete, paved surfaces and soils for civil engineering purposes	B



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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 density and water absorption (0.063 to 31.5 mm)	BS EN 1097-6:2000	A
	Apparent (bulk) density of filler in kerosene	BS EN 1097-3:Annex A:1998	A
	Particle size distribution	BS EN 933-1:1997	A
	Flakiness index	BS EN 933-3:1997	A
	Description of mixtures containing recycled aggregates	BS EN 13285:2010:Annex A	A
	Testing for constituent materials in recycled coarse aggregate and recycled concrete aggregate	Specification for Highway Works, TSO May 2004:clause 710	A
	Classification for the constituents of coarse recycled aggregate	BS EN 933-11:2009	A
	Water content - oven drying method	BS EN 1097-5:2008	A
	Magnesium sulphate test (excluding simple petrographic description)	BS EN 1367-2:2009	A
	Frost heave	BS 812:Part 124:2009 Specification for Highway Works: TSO November 2009:clause 801	A
	Uniformity coefficient	Specification for Highway Works: 600 Series: Table 6.1: Footnote 5	A
	Resistance to fragmentation by the Los Angeles Method	BS EN 1097-2:2010	A
	Resistance to wear (micro-Deval)	BS EN 1097-1:2011	A
Sampling from stockpiles	BS EN 932-1:1997:Annex C	B	



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AGGREGATES (cont'd)	Sample reduction using a riffle box	BS EN 932-2:1999	A, B
	Sampling coarse, fine and all-in aggregates - from heaps - from laid material	BS 812:Part 102:1989	B
BITUMEN ROAD EMULSIONS (ANIONIC and CATIONIC)	Water content	BS 434:Part 1:1984	A
BITUMINOUS MATERIALS	Needle penetration - 25 °C	BS EN 1426:2007	A
	Softening point - ring and ball method	BS EN 1427:2007	A
	Bitumen recovery: Rotary evaporator	BS EN 12697-3:2005	A
	Cohesion of bituminous binders with pendulum test	BS EN 13588:2008, BS 2000-522:2008	A
	Cohesion of Bitumen and Bituminous Binders	Specification for Highways Works: TSO:clause 957	A
BITUMINOUS MIXTURES for roads and other paved areas	Laboratory mixing	BS EN 12697-35:2004	A
	Specimen preparation by impact compactor	BS EN 12697-30:2004	A
	Marshall test	BS EN 12697-34:2004	A
	Protocol for determining the design binder content of designed HRA surface course mixtures to BS EN 13108-4	BS 594987:2010:Annex H	A
	Determination of the composition of design wearing course rolled asphalt	BS 598:Part 107:2004	A



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BITUMINOUS MIXTURES for roads and other paved areas (cont'd)	Resistance to permanent deformation - static method	BS 598:Part 111:1995	A
	Resistance to permanent deformation - confined method	BS DD 226:1996	A
	Resistance to permanent deformation - dynamic method	BS DD 226:1996	A
	Fatigue resistance - using indirect tensile fatigue	BS Draft ABF:1995	A
	Indirect stiffness modulus	BS DD 213:1993	A
	Stiffness – test applying indirect tension to cylindrical specimens (IT-CY)	BS EN 12697-26:2004:Annex C	A
	Soluble binder content by difference, using bottle rotation machine and pressure filter	BS EN 12697-1:2005	A
	Soluble binder content by recovery, using bottle rotation machine, bucket centrifuge type 1 and volume calculation	BS EN 12697-1:2005	A
	Particle size distribution	BS EN 12697-2:2002	A
	Dimensions of bituminous specimens and cores	BS EN 12697-29:2002	A
	Preparation of samples for analysis	BS EN 12697-28:2000	A, B
	Laboratory compaction by vibratory compaction	BS EN 12697-32:2003 + A1:2007	A
	Percentage refusal density (PRD) - vibratory compaction	BS EN 12697-9:2002	A
Percentage refusal density (PRD)	BS 598:Part 104:2005	A	



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BITUMINOUS MIXTURES for roads and other paved areas (cont'd)	Bulk density - Procedure B	BS EN 12697-6:2003	A
	Density	BS 598:Part 104:2005 Documented In-House Method LP61A	A
	Core layer thickness	BS 598:Part 104:2005	A
	Air voids content	BS EN 12697-8:2003	A
	Air voids	BS 598:Part 104:2005	A
	Wheel tracking (small-size devices)	BS EN 12697-22:2003	A
	Wheel-tracking rate	BS 598:Part 110:1998	A
	Maximum density	BS EN 12697-5:2009	A
	Off-set wheel tracking erosion index (scuffing test)	TRL Report 176: Appendix D, G & F.6	A
	Hot mix asphalt - temperature measurement - in laid-but-not-rolled material - in the hopper of the paver	BS EN 12697-13:2000	B
	Sampling from - around the augers of the paver	BS EN 12697-27:2001	B
	Sampling of finished material - core cutting method	BS 598:Part 100:1987	B
CONCRETE - fresh	Sampling fresh concrete on site	BS EN 12350-1:2009	B
	Making test cubes	BS EN 12390-2:2009	A,B
CONCRETE - hardened	Compressive strength of test specimens - including curing	BS EN 12390-3:2009 BS EN 12390-2:2009 BS EN 12390-1:2000 BS 1881:Part 111 BS 1881:Part 114 BS 1881:Part 116	A



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CONCRETE - hardened (cont'd)	Compressive strength of cores	BS 1881:Part 120:1983	A
	Compressive strength of concrete cores	BS EN 12504-1:2009	A
	Density	BS EN 12390-7:2009	A
	Sampling of concrete by coring	Documented In-House Method No LP 44b	B
PAVED SURFACES	Skid/slip resistance value	TRRL Road Note 27/69 BS EN 1342:2000 BS 7976-2:2002	A, B
	Measurement of material depths and sampling	Documented In-House Method No LP 44a based on the New Roads and Street Works Act (1991) (Specifications for the Reinstatement of Openings in Highways) Third Edition 2010	B
ROAD PAVEMENT SURFACES	Texture depth by the sand-patch method	BS 598:Part 105:2000	B
	Macrotexture using a volumetric patch technique	BS EN 13036-1:2010	B
SOILS for civil engineering purposes	California Bearing Ratio (CBR)	BS 1377:Part 4:1990	A
	Moisture content - oven drying method	BS 1377:Part 2:1990	A
	Plastic limit	BS 1377:Part 2:1990	A
	Particle size distribution - wet sieving	BS 1377:Part 2:1990	A
	Particle size distribution - dry sieving	BS 1377:Part 2:1990	A
	Dry density/moisture content relationship (2.5 kg rammer)	BS 1377:Part 4:1990	A



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SOILS for civil engineering purposes (cont'd)	Dry density/moisture content relationship (4.5 kg rammer)	BS 1377:Part 4:1990	A
	Dry density/moisture content relationship (vibrating hammer)	BS 1377:Part 4:1990	A
	Laboratory reference density and water content	BS EN 13286-4:2003	A
	Uniformity coefficient	Specification for Highway Works : 600 Series: Table 6.1: Footnote 5	A
	Sampling earthworks materials - from stockpiles - from laid material	Documented In-House Method NO LP 46	B
END			