


# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

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

 <b>0731</b>  Accredited to <b>ISO/IEC 17025:2017</b>	<b>Surrey County Council</b>  <b>Issue No: 056 Issue date: 08 April 2025</b>	
	<b>Surrey County Council Highways Laboratory</b> <b>Highways Laboratory &amp; Information Centre</b> <b>Merrow Complex</b> <b>Merrow Lane</b> <b>Guildford</b> <b>Surrey</b> <b>GU4 7BQ</b>	<b>Contact: Mr J Tanzilli</b> <b>Tel: +44 (0)1483 517 427</b> <b>E-Mail: jon.tanzilli@surreycc.gov.uk</b>

**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
<b>Address</b> Surrey County Council Highways Laboratory Highways Laboratory & Information Centre Merrow Complex Merrow Lane Guildford Surrey GU4 7BQ	<b>Local contact</b> Mr J Tanzilli  Tel: +44(0) 1483 517 427 Email: jon.tanzilli@surreycc.gov.uk	AGGREGATES, BITUMINOUS MATERIALS, BITUMINOUS MIXTURES for roads and other paved areas, CONCRETE – hardened, PAVED SURFACES, REINSTATEMENT OF OPENINGS IN HIGHWAYS, ROAD PAVEMENT SURFACES, SOILS for civil engineering purposes, GEOTECHNICAL INVESTIGATION and TESTING - Laboratory testing of soil, HYDRAULICALLY BOUND MIXTURES	Laboratory

#### Site activities performed away from the locations listed above:

Location details	Activity	Location code
All site locations suitable for the activities listed	AGGREGATES, BITUMINOUS MIXTURES for roads and other paved areas, CONCRETE – hardened, PAVED SURFACES, REINSTATEMENT OF OPENINGS IN HIGHWAYS, ROAD PAVEMENT SURFACES, SOILS for civil engineering purposes	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	Frost heave	BS 812-124:2009 Specification for Highway Works: HMSO November 2021:clause 801	Laboratory
	Particle size distribution	BS EN 933-1:2012	Laboratory
	Flakiness index	BS EN 933-3:2012	Laboratory
	Classification for the constituents of coarse recycled aggregate	BS EN 933-11:2009	Laboratory
	Resistance to wear (micro-Deval)	BS EN 1097-1:2023	Laboratory
	Resistance to fragmentation by the Los Angeles Method	BS EN 1097-2:2020	Laboratory
	Apparent (bulk) density of filler in kerosene	BS EN 1097-3:Annex A:1998	Laboratory
	Water content - oven drying method	BS EN 1097-5:2008	Laboratory
	Particle density and water absorption - pycnometer method for particles between 0.063mm and 4mm	BS EN 1097-6:2022	Laboratory
	Particle density and water absorption - pycnometer method for particles between 4mm and 31.5mm	BS EN 1097-6:2022	Laboratory
	Magnesium sulphate test	BS EN 1367-2:2009	Laboratory
	Uniformity coefficient	BS EN ISO 14688-2:2018	Laboratory
	Testing for constituent materials in recycled coarse aggregate and recycled concrete aggregate	Specification for Highway Works, HMSO Feb 2016:clause 710	Laboratory



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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
AGGREGATES (cont'd)	Uniformity coefficient	Specification for Highway Works: 600 Series: Table 6.1: Footnote 5	Laboratory
	Sampling from stockpiles	BS EN 932-1:1997:Annex C	Site
	Sample reduction using a riffle box	BS EN 932-2:1999	Laboratory Site
	Methods of reducing laboratory samples - to a test portion of a specified mass within a small tolerance	BS EN 932-2:1999	Laboratory
BITUMINOUS MATERIALS	Needle penetration - 25 °C	BS EN 1426:2015	Laboratory
	Softening point - ring and ball method	BS EN 1427:2015	Laboratory
	Bitumen recovery: Rotary evaporator	BS EN 12697-3:2013+A1:2018	Laboratory
	Cohesion of bituminous binders with pendulum test	BS EN 13588:2017	Laboratory
	Elastic recovery of modified bitumen	BS EN 13398:2017	Laboratory
BITUMINOUS MIXTURES for roads and other paved areas	Determination of the composition of design wearing course rolled asphalt	BS 598-107:2004	Laboratory
	Protocol for determining the design binder content of designed HRA surface course mixtures to BS EN 13108-4	BS 594987:2015+A1:2017: Annex H	Laboratory
	Specimen preparation by impact compactor	BS EN 12697-30:2018	Laboratory
	Laboratory mixing	BS EN 12697-35:2016	Laboratory
	Marshall test	BS EN 12697-34:2020	Laboratory



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BITUMINOUS MIXTURES for roads and other paved areas (cont'd)	Cyclic compression test	BS EN 12697-25:2016	Laboratory
	Indirect stiffness modulus	BS DD 213:1993	Laboratory
	Stiffness – test applying indirect tension to cylindrical specimens (IT-CY)	BS EN 12697-26:2004:Annex C	Laboratory
	Soluble binder content by recovery, using bottle rotation machine, bucket centrifuge type 1 and volume calculation	BS EN 12697-1:2020	Laboratory
	Particle size distribution	BS EN 12697-2:2015+A1:2019	Laboratory
	Maximum density - Volumetric method	BS EN 12697-5:2018	Laboratory
	Bulk density - dry - saturated surface dry (SSD) - sealed specimen - by dimensions	BS EN 12697-6:2020	Laboratory
	Air voids content	BS EN 12697-8:2018	Laboratory
	Wheel-tracking rate	BS 598-110:1998	Laboratory
	Wheel tracking using a small size device and procedure A	BS EN 12697-22:2020+ A1:2023	Laboratory
	Wheel tracking using a small size device and procedure B in air	BS EN 12697-22:2020+ A1:2023	Laboratory
	Dimensions of bituminous specimens and cores	BS EN 12697-29:2020	Laboratory
	Laboratory compaction by roller compactor (smooth steel roller)	BS EN 12697-33:2019+ A1:2022	Laboratory
	Determination of the thickness of a bituminous pavement - destructive measurement	BS EN 12697-36:2022	Laboratory



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BITUMINOUS MIXTURES for roads and other paved areas (cont'd)	Hot sand test for the adhesivity of binder on precoated chippings for HRA	BS EN 12697-37:2022	Laboratory
	Sampling from - around the augers of the paver	BS EN 12697-27:2017	Site
	Sampling of finished material - core cutting method	BS EN 12697-27:2017	Site
	Preparation of samples for analysis	BS EN 12697-28:2020	Laboratory Site
	Measurement of temperature of materials - in the hopper of the paver Infrared-thermometer	BS EN 12697-13:2017	Site
	Measurement of temperature of materials - after laying and before and during rolling - in a heap Contact-thermometer	BS EN 12697-13:2017	Site
CONCRETE - hardened	Compressive strength of test specimens - including curing	BS EN 12390-3:2019 BS EN 12390-2:2019 BS EN 12390-1:2021 BS 1881-111:1983 BS 1881-114:1983 BS 1881-116:1983	Laboratory
	Compressive strength of cores	BS 1881-120:1983	Laboratory
	Compressive strength of concrete cores	BS EN 12504-1:2019	Laboratory
	Density	BS EN 12390-7:2019 + AC 2020	Laboratory
	Sampling of concrete by coring	Documented In-House Method No LP 44b	Site



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PAVED SURFACES	Skid/slip resistance value	TRRL Road Note 27/69 BS 7976-2:2002 BS EN 13036-4:2011 BS EN 16165:2021	Laboratory Site
REINSTATEMENT OF OPENINGS IN HIGHWAYS	Pavement construction	Methods of test required for the assessment of conformity under the New Roads and Street Works Act (1991) (Specification for the Reinstatement of Openings in Highways)	
	Measurement of reinstatement layers, visual description of materials and measurement of crowning and depression	Documented In-House Method No LP 44a with reference to NRSWA	Laboratory Site
	Sampling of finished material - core cutting method	BS EN 12697-27:2017	Site
	Determination of the thickness of a bituminous pavement - destructive measurement	BS EN 12697-36:2022	Laboratory
ROAD PAVEMENT SURFACES	Texture depth by the sand-patch method	BS 598-105:2000 (withdrawn)	Site
	Macrotexture using a volumetric patch technique	BS EN 13036-1:2010	Site
	Surface regularity using a rolling straight-edge	Specification for Highway Works HMSO Feb 2016 Clause 702	Site
	Surface regularity using a rolling straight-edge	TRRL Supplementary Report 290:1977	Site
SOILS for civil engineering purposes	Moisture content - oven drying method	BS 1377-2:1990	Laboratory
	Liquid limit - cone penetrometer method (definitive method)	BS 1377-2:1990	Laboratory



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SOILS for civil engineering purposes (cont'd)	Liquid limit - one point cone penetrometer method	BS 1377-2:1990	Laboratory
	Plastic limit	BS 1377-2:1990	Laboratory
	Plasticity index	BS 1377-2:1990	Laboratory
	Particle size distribution - wet sieving	BS 1377-2:1990	Laboratory
	Particle size distribution - dry sieving	BS 1377-2:1990	Laboratory
	Dry density/moisture content relationship (2.5 kg rammer)	BS 1377-4:1990	Laboratory
	Dry density/moisture content relationship (4.5 kg rammer)	BS 1377-4:1990	Laboratory
	Dry density/moisture content relationship (vibrating hammer)	BS 1377-4:1990	Laboratory
	California Bearing Ratio (CBR)	BS 1377-4:1990	Laboratory
	Moisture content - oven drying method	BS 1377-2:2022	Laboratory
	Liquid limit - cone penetrometer method (definitive method)	BS 1377-2:2022	Laboratory
	Liquid limit - one point cone penetrometer method	BS 1377-2:2022	Laboratory
	Plastic limit	BS 1377-2:2022	Laboratory
	Plasticity index	BS 1377-2:2022	Laboratory
	Particle size distribution - wet sieving	BS 1377-2:2022	Laboratory
	Particle size distribution - dry sieving	BS 1377-2:2022	Laboratory



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SOILS for civil engineering purposes (cont'd)	Dry density/moisture content relationship (2.5 kg rammer)	BS 1377-2:2022	Laboratory
	Dry density/moisture content relationship (4.5 kg rammer)	BS 1377-2:2022	Laboratory
	Dry density/moisture content relationship (vibrating hammer)	BS 1377-2:2022	Laboratory
	California Bearing Ratio (CBR)	BS 1377-2:2022	Laboratory
	Uniformity coefficient	BS EN ISO 14688-2:2018 Specification for Highway Works : 600 Series: Table 6.1: Footnote 5	Laboratory
	Sampling earthworks materials - from stockpiles - from laid material	Documented In-House Method NO LP 46	Site
	Clegg Impact Hammer	Documented In-House Method No LP26	Site
GEOTECHNICAL INVESTIGATION and TESTING - Laboratory testing of soil	Water content	BS EN ISO 17892-1:2014+ A1:2022	Laboratory
	Particle size distribution - wet sieving	BS EN ISO 17892-4:2016	
	Particle size distribution - dry sieving	BS EN ISO 17892-4:2016	Laboratory
	Liquid limit - cone penetrometer	BS EN ISO 17892-12:2018 +A2:2022	Laboratory
	Liquid limit - cone penetrometer - one point	BS EN ISO 17892-12:2018 +A2:2022	Laboratory
	Plastic limit	BS EN ISO 17892-12:2018 +A2:2022	Laboratory
	Plasticity index	BS EN ISO 17892-12:2018 +A2:2022	Laboratory





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HYDRAULICALLY BOUND MIXTURES	Laboratory reference density and water content	BS EN 13286-4:2021	Laboratory
END			