


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 <p>2194</p> <p>Accredited to ISO/IEC 17025:2005</p>	<h3>Tonkin Materials Testing</h3> <p>Issue No: 019 Issue date: 01 February 2019</p>	
	<p>25A New North Road Exmouth Devon EX8 1RU</p>	<p>Contact: Mr G J Tonkin Tel: +44 (0)1395 222460 Fax: +44 (0)1395 222460 E-Mail: lab@tonkin.net Website: www.tonkin.net</p>
<p>Testing performed by the Organisation at the locations specified below</p>		

Locations covered by the organisation and their relevant activities

Laboratory locations:

Location details		Activity	Location code
<p>Address 25A New North Road Exmouth Devon EX8 1RU</p>	<p>Contact Mr G J Tonkin</p>	<p>Testing: Aggregates; Physical tests Bituminous mixtures; Physical Tests Soils; physical tests</p>	Laboratory

Site activities performed away from the locations listed above:

Location details		Activity	Location code
<p>All locations suitable for the activities listed</p>	<p>Contact Mr G J Tonkin</p>	<p>Sampling: Aggregates Bituminous mixtures Soils</p> <p>Testing: Road pavement surfaces; Physical tests Soils; physical tests</p>	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	Site
	Sample reduction - using a riffle box - by quartering	BS EN 932-2:1999	Site Laboratory
	Particle size distribution - sieving method	BS EN 933-1:2012	Laboratory
	Classification test for the constituents of coarse recycled aggregate	BS EN 933-11:2009	Laboratory
	Water content	BS EN 1097-5:2008	Laboratory
	Sampling coarse, fine and all-in aggregates - from heaps	BS 812-102:1989 (withdrawn)	Site
	Moisture content	BS 812-109:1990 (withdrawn)	Laboratory
	Particle size distribution - washing and sieving	BS 812-103 Section 103.1:1985 (withdrawn)	Laboratory
BITUMINOUS MIXTURES for roads and other paved areas	Particle size distribution - dry sieving	BS 812-103 Section 103.1:1985 (withdrawn)	Laboratory
	Sampling from - around the augers of the paver - workable material in heaps	BS EN 12697-27:2017	Site
	Sampling of finished material - core cutting method	BS EN 12697-27:2017	Site
	Sampling of coated chippings from stockpiles	BS EN 12697-27:2017	Site
Preparation of samples for determining binder content, water content and grading	BS EN 12697-28:2001	Site Laboratory	



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BITUMINOUS MIXTURES for roads and other paved areas (cont'd)	Temperature of Bituminous Mixtures - in laid material - in a heap	BS EN 12697-13:2017	Site
	Soluble binder content by difference, using bottle rotation machine and pressure filter	BS EN 12697-1:2012	Laboratory
	Particle size distribution	BS EN 12697-2:2015	Laboratory
	Maximum density - Volumetric method	BS EN 12697-5:2009	Laboratory
	Bulk density - dry - saturated surface dry (SSD) - sealed specimen	BS EN 12697-6:2012	Laboratory
	Air void content	BS EN 12697-8: 2003	Laboratory
	Percentage refusal Density (PRD)	BS EN 12697-9: 2002 BS EN 12697-6: 2012 BS EN 12697-32: 2003	Laboratory
	Determination of the thickness of a bituminous pavement - destructive measurement	BS EN 12697-36:2003	Laboratory
	Sampling from - around the augers of the paver - workable material in heaps	BS 598-100:2004 (withdrawn)	Site
	Sampling of finished material - core cutting method - square cut-outs method	BS 598-100:2004 (withdrawn)	Site
	Sampling of coated chippings from stockpiles	BS 598-100:2004 (withdrawn)	Site
Temperature of Bituminous Mixtures - in the hopper of a paver - in stockpiles - in laid material	BS 598-109:1990 (withdrawn)	Site	



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BITUMINOUS MIXTURES for roads and other paved areas (cont'd)	Binder content and grading of mineral aggregate - extraction bottle method: binder determination by difference	BS 598-102:2003 (withdrawn)	Laboratory
	Percentage refusal Density (PRD)	BS 598-104:2005 (withdrawn)	Laboratory
	Density of Cores	BS 598-104:2005 (withdrawn)	Laboratory
	Air voids	BS 598-104:2005 (withdrawn)	Laboratory
	Air void content	Specification for Highway Works, HMSO, November 2004	Laboratory
	Binder volume	Specification for Highway Works, HMSO, November 2004, Clause 929.8	Laboratory
	Temperature of Bituminous Mixtures - in the augers of a paver	Documented In-House Method: TP042, December 2011	Site
	In-situ density	Documented In-house Method No. TP038:Jan 2002 using Nuclear Density meter	Site
REINSTATEMENT OF OPENINGS IN HIGHWAYS		New Roads and Street Works Act (1991) (Specification for the Reinstatement of Openings in Highways) - 3rd edition: April 2010	
	Sampling of finished material - core cutting method	BS EN 12697-27:2017	Site
	Maximum density - Volumetric method	BS EN 12697-5:2009	Laboratory
	Bulk density - dry - saturated surface dry (SSD) - sealed specimen	BS EN 12697-6:2012	Laboratory
	Air void content	BS EN 12697-8: 2003	Laboratory



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REINSTATEMENT OF OPENINGS IN HIGHWAYS (cont'd)	Determination of the thickness of a bituminous pavement - destructive measurement	BS EN 12697-36:2003	Laboratory
	Pavement surface macrotexture depth using a volumetric patch technique	BS EN 13036-1:2010	Site
	Surface regularity using a rolling straight-edge	Specification for Highway Works HMSO February 2016 Clause 702	Site
ROAD PAVEMENT SURFACES	Surface regularity using a rolling straight-edge	TRRL Supplementary Report 290:1977	Site
	Pavement surface macrotexture depth using a volumetric patch technique	BS EN 13036-1:2010	Site
	Texture depth - by the sand-patch method	BS 598-105:2000	Site
	Surface regularity using a rolling straight-edge	Specification for Highway Works HMSO February 2016 Clause 702	Site
	Surface regularity using a rolling straight-edge	TRRL Supplementary Report 290:1977	Site
GEOTECHNICAL INVESTIGATION and TESTING - Laboratory testing of soil	Water content	BS EN ISO 17892-1:2014	Laboratory
SOILS for civil engineering purposes	Sampling earthworks materials	Documented In-house Method No. SP001: December 2016	Site
	Moisture content - oven drying method	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
	Particle density(gas jar)	BS 1377-2: 1990	Laboratory
	Uniformity coefficient	BS 6100:Subsection 2.2.1:1992	Laboratory



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SOILS for civil engineering purposes (cont'd)	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
	Moisture condition value (MCV)	BS 1377-4:1990	Laboratory
	MCV - natural moisture content	BS 1377-4:1990	Laboratory
	MCV/moisture content relation	BS 1377-4:1990	Laboratory
	California Bearing Ratio	BS 1377-4: 1990	Laboratory
	In-situ density - sand replacement method (large pouring cylinder)	BS 1377-9:1990	Site
	In-situ density - core cutter method	BS 1377-9:1990	Site
	In-situ density - nuclear method - compliance tests	BS 1377-9:1990	Site
	Vertical deformation and strength characteristics by the incremental plate loading test	BS 1377-9:1990	Site
	Determination of equivalent CBR value using the plate bearing test	Specification for Highway Works: Design Guidance for Road Pavement Foundations Interim Advice Note 73/06	Site
Dynamic cone penetration test	Design Manual for Roads and Bridges (Highways Agency) HD 25 IAN 73/06 Documented In-house Method No. TP041 Issue 1.0 June 2008	Site	

END