Schedule of Accreditation

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United Kingdom Accreditation Service

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Accredited to ISO/IEC 17025:2017

Tonkin Materials Testing

Issue No: 023 **Issue date:** 22 February 2021

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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 25A New North Road Exmouth Devon EX8 1RU	**Contact** Mr G J Tonkin	Testing: Aggregates; Physical tests Bituminous mixtures; 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 G J Tonkin	Sampling: Aggregates Bituminous mixtures Soils Testing: Road pavement surfaces; Physical tests Soils; physical tests	Site

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
BITUMINOUS MIXTURES for roads and other paved areas	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 12697-28:2020	Site Laboratory
	Temperature of Bituminous Mixtures - in laid material - in a heap	BS EN 12697-13:2017	Site
	Temperature of Bituminous Mixtures - in a paver	BS EN 12697-13:2017 Infrared thermometer	Site
	Soluble binder content by difference, using bottle rotation machine and pressure filter	BS EN 12697-1:2020	Laboratory
	Particle size distribution	BS EN 12697-2:2015+A1:2019	Laboratory

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
BITUMINOUS MIXTURES for roads and other paved areas (cont'd)	Maximum density - Volumetric method	BS EN 12697-5:2018	Laboratory
	Bulk density - dry - saturated surface dry (SSD) - sealed specimen	BS EN 12697-6:2020	Laboratory
	Air void content	BS EN 12697-8: 2018	Laboratory
	Percentage refusal Density (PRD)	BS EN 12697-9: 2002 (withdrawn) BS EN 12697-6: 2020 BS EN 12697-32: 2019	Laboratory
	Determination of the thickness of a bituminous pavement - destructive measurement	BS EN 12697-36:2003	Laboratory
	Binder volume	BS 594987:2015+A1:2017	Laboratory
	In-situ density	BS 594987:2015+A1:2017 Documented In-house Method No. TP038:Jan 2008 using Nuclear Density meter	Site
REINSTATEMENT OF OPENINGS IN HIGHWAYS	Sampling of finished material - core cutting method	BS EN 12697-27:2017	Site
	Maximum density - Volumetric method	BS EN 12697-5:2018	Laboratory
	Bulk density - dry - saturated surface dry (SSD) - sealed specimen	BS EN 12697-6:2012	Laboratory
	Air void content	BS EN 12697-8: 2018	Laboratory

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
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
	Surface regularity using a rolling straight-edge	TRRL Supplementary Report 290:1977	Site
ROAD PAVEMENT SURFACES	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 2016Clause 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
	Determination of particle size distribution - Sieving method	BS EN ISO 17892-4:2016	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

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
SOILS for civil engineering purposes (cont'd)	Particle density(gas jar)	BS 1377-2: 1990	Laboratory
	Uniformity coefficient	Specification for Highway Works, HMSO February 2016 Table 6/1, Footnote 5	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
	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 (withdrawn)	Site

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
SOILS for civil engineering purposes (cont'd)	Dynamic cone penetration test	Design Manual for Roads and Bridges CS229 Revision 0, March 2020 Documented In-house Method No. TP041 Issue 1.1 Feb 2021	Site
END			