

Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 <p>0529</p> <p>Accredited to ISO/IEC 17025:2017</p>	<p>Kiwa Limited Trading as Kiwa CMT Testing</p> <p>Issue No: 039 Issue date: 28 April 2021</p>	
	<p>Prime Parkway Prime Enterprise Park Derby DE1 3QB</p>	<p>Contact: Mr D Patterson Tel: +44 (0)1332 383333 E-Mail: dan.patterson@kiwa.com Website: www.kiwa.co.uk/cmt</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 Prime Parkway Prime Enterprise Park Derby DE1 3QB</p> <p>Contact: Mr D Patterson Tel: +44 (0)1332 383333 E-Mail: dan.patterson@kiwa.com</p>	<p>Testing: Aggregates - chemical & physical tests Bituminous Mixtures – physical tests Concrete - chemical, geological mechanical & physical tests Mortars screeds & plasters - chemical tests Road salt – physical & chemical tests Soils - chemical, mechanical & physical tests Cast stone - 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 D Patterson</p>	<p>Sampling: Concrete</p> <p>Testing: Concrete - chemical & non-destructive tests Road signs & lighting columns - non-destructive tests Soils - mechanical & 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	Acid-soluble materials content	BS 812:Part 119: 1985	Laboratory
	Water soluble chloride	BS EN 1744-1: 2009 + A1:2012	Laboratory
	Water soluble sulphate	BS EN 1744-1: 2009 + A1:2012	Laboratory
	Total sulphur	BS EN 1744-1: 2009 + A1:2012	Laboratory
	Acid soluble sulphate	BS EN 1744-1: 2009 + A1:2012	Laboratory
	Sampling stockpiles of fine aggregates by hand	BS EN 932-1:1997	Site
	Sampling stockpiles of coarse aggregates by hand	BS EN 932-1:1997	Site
	Sample reduction –riffle box	BS EN 932-2:1999	Laboratory
	Sample reduction - quartering	BS EN 932-2:1999	Laboratory
	Particle size distribution - sieving method	BS EN 933-1: 2012	Laboratory
	Resistance to fragmentation by the Los Angeles Method	EN 1097-2: 2020	Laboratory
BITUMINOUS MIXTURES for roads and other paved areas	Maximum Density - procedure B	BS EN 12697-5: 2018	Laboratory
	Bulk Density - sealed specimen	BS EN 12697-6: 2020	Laboratory
	Air Voids Content	BS EN 12697-8: 2018	Laboratory
	Sampling of laid and compacted materials by coring	BS EN 12697-27: 2017	Site
	Sampling - from around augers of the paver	BS EN 12697-27: 2017	Site



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BITUMINOUS MIXTURES for roads and other paved areas	Preparation of samples for determining binder content, water content and grading	BS EN 12697-28:2020	Site Laboratory
BITUMINOUS ROAD SURFACING	In-situ density - nuclear method	Documented In-House Method SO33	Site
CAST STONE	Capillary absorption	BS 1217:2008	Laboratory
	Capillary absorption	Documented In-House Method C6	Laboratory
CONCRETE – fresh	Sampling - Spot - Composite	BS EN 12350-1: 2019	Site
	Slump Testing	BS EN 12350-2: 2019	Site
	Air Content Testing (Pressure Method)	BS EN 12350-7: 2019	Site
	Making of cubes - Including curing	BS EN 12390-2: 2019 BS EN 12390-1: 2012	Site and Laboratory
CONCRETE - hardened	Cement & aggregate content	BS 1881:Part 124: 2015 +A1:2021	Laboratory
	Chloride content	BS 1881:Part 124: 2015 +A1:2021	Laboratory
	Sulphate content	BS 1881:Part 124: 2015 +A1:2021	Laboratory
	Sodium oxide & potassium oxide contents	BS 1881:Part 124: 2015 +A1:2021	Laboratory
	Sulphur as sulphide content	BS 1881:Part 124: 2015 +A1:2021	Laboratory
	Type of aggregate	BS 1881:Part 124: 2015 +A1:2021	Laboratory



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CONCRETE - hardened	Compressive strength of cubes	BS EN 12390-3: 2019 BS EN 12390-1: 2012	Laboratory
	Curing	BS EN 12390-2: 2019	Laboratory
	Density	BS EN 12390-7: 2019	Laboratory
	Cored specimens - examining and testing in compression	BS EN 12504-1: 2019	Laboratory
	Coring	BS 1881:Part 120: 1983	Site
	Sampling for analysis of chlorides	Documented In-House Method ISM ST4	Site
	Sampling for analysis of chlorides	BS EN 14629:2007	Site
	Carbonation	BRE Information Paper IP 6/81	Site
	Carbonation	BS EN 14630:2006	Site
	Resistivity	Documented In-House Method ISM ST3	Site
CONCRETE - reinforced	Location of reinforcement	BS 1881:Part 204: 1988	Site
	Corrosion potentials of uncoated reinforcing steel in concrete	ASTM C 876-15	Site
	Rebar continuity	Documented In-House Method ISM ST2a	Site
MORTARS, SCREEDS and PLASTERS	Insoluble residue and soluble silica content	BS 4551:2005 + A2: 2013	Laboratory
	Calcium oxide content	BS 4551:2005 + A2: 2013	Laboratory
	Sulfur trioxide content	BS 4551:2005 + A2: 2013	Laboratory
	Chloride content	BS 4551:2005 + A2: 2013	Laboratory



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ROAD SIGNS and LIGHTING COLUMNS	Relative loss of section	Documented In-House Method ST 9,ST10,ST11	Site
GEOTECHNICAL INVESTIGATION and TESTING - Laboratory testing of soil	Water content	BS EN ISO 17892-1: 2014	Laboratory
	Particle size distribution – Sieving Method	BS EN ISO 17892-4: 2016	Laboratory
	Liquid limit - fall cone Method	BS EN ISO 17892-12: 2018	Laboratory
	Plastic limit	BS EN ISO 17892-12: 2018	Laboratory
	Plasticity index	BS EN ISO 17892-12: 2018	Laboratory
	Liquidity index	BS EN ISO 17892-12: 2018	Laboratory
SOILS for civil engineering purposes	Moisture content - oven drying method	BS 1377: Part 2: 1990	Laboratory
	Liquid limit - cone penetrometer	BS 1377: Part 2: 1990	Laboratory
	Liquid limit - cone penetrometer - one point	BS 1377: Part 2: 1990	Laboratory
	Plastic limit	BS 1377: Part 2: 1990	Laboratory
	Plasticity index and liquidity index	BS 1377: Part 2: 1990	Laboratory
	Particle size distribution - wet sieving	BS 1377: Part 2: 1990	Laboratory
	Particle size distribution - dry sieving	BS 1377: Part 2: 1990	Laboratory
	Organic matter content	BS 1377: Part 3: 2018	Laboratory
	Sulphate content of soil and ground water - gravimetric method	BS 1377: Part 3: 2018	Laboratory
	pH value	BS 1377: Part 3: 2018	Laboratory



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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)	Dry density/moisture content relationship (2.5 kg rammer)	BS 1377: Part 4: 1990	Laboratory
	Dry density/moisture content relationship (4.5 kg rammer)	BS 1377: Part 4: 1990	Laboratory
	California Bearing Ratio (CBR) Not soaked	BS 1377: Part 4: 1990	Laboratory
	In-situ density - sand replacement method (large pouring cylinder)	BS 1377: Part 9: 1990	Site
	In-situ density - core cutter method	BS 1377: Part 9: 1990	Site
	Vertical deformation & strength characteristic of soil by Plate Loading Test	BS 1377: Part 9: 1990	Site
	Determination of Equivalent CBR using Plate Bearing Test	Specification for Highways Works : Design Guidance for Road and Pavement Foundations Interim Advice Note 73/06	Site
END			