


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 <p>Accredited to ISO/IEC 17025:2005</p>	First Intervention Ltd	
	Issue No: 015	Issue date: 07 March 2011
	50 Holmethorpe Avenue Holmethorpe Industrial Estate Redhill Surrey RH1 2NL	Contact: Mr P M Burns Tel: +44 (0)1737 780 384 Fax: +44 (0)1737 764 100 E-Mail: paul@firstintervention.co.uk Website:
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		
<table border="0"> <tr> <td style="vertical-align: top;"> Address 50 Holmethorpe Avenue Holmethorpe Industrial Estate Redhill Surrey RH1 2NL </td> <td style="vertical-align: top;"> Local contact Mr P M Burns Tel: +44 (0)1737 780 384 Fax: +44 (0)1737 764 100 E-Mail: paul@firstintervention.co.uk </td> </tr> </table>	Address 50 Holmethorpe Avenue Holmethorpe Industrial Estate Redhill Surrey RH1 2NL	Local contact Mr P M Burns Tel: +44 (0)1737 780 384 Fax: +44 (0)1737 764 100 E-Mail: paul@firstintervention.co.uk	Testing: Aggregates - physical tests Bituminous Materials - physical tests Bituminous Mixtures - dimensional, mechanical & physical tests Concrete - dimensional, mechanical, physical tests & manufacture of test specimens Soils - physical tests Unbound and Hydraulically Bound Mixtures - physical tests	Laboratory
Address 50 Holmethorpe Avenue Holmethorpe Industrial Estate Redhill Surrey RH1 2NL	Local contact Mr P M Burns Tel: +44 (0)1737 780 384 Fax: +44 (0)1737 764 100 E-Mail: paul@firstintervention.co.uk			

Site activities performed away from the locations listed above:

Location details	Activity	Location code		
<table border="0"> <tr> <td style="vertical-align: top;"> All locations suitable for the activities listed </td> <td style="vertical-align: top;"> Contact: Mr P M Burns Tel: +44 (0)1737 780 384 Fax: +44 (0)1737 764 100 E-Mail: paul@firstintervention.co.uk </td> </tr> </table>	All locations suitable for the activities listed	Contact: Mr P M Burns Tel: +44 (0)1737 780 384 Fax: +44 (0)1737 764 100 E-Mail: paul@firstintervention.co.uk	Sampling: Aggregates, Bituminous Mixtures, Hardened Concrete and concrete fresh Testing: Paved Surfaces - physical tests Road Pavement Surfaces - physical tests Manufacture of test specimens & physical tests	Site
All locations suitable for the activities listed	Contact: Mr P M Burns Tel: +44 (0)1737 780 384 Fax: +44 (0)1737 764 100 E-Mail: paul@firstintervention.co.uk			



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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	Sampling coarse, fine and all-in aggregates - from heaps	BS 812:Part 102:1989	Site
	Methods for sampling - from stockpiles	BS EN 932-1:1997 Clause 8.8	Site
	Methods for reducing laboratory samples	BS EN 932-2:1999	Laboratory
	Particle density and water absorption for aggregate all larger than 10 mm	BS 812-2:1995	Laboratory
	Particle density and water absorption for aggregate between 40 mm and 5 mm	BS 812-2:1995	Laboratory
	Particle density and water absorption for aggregate 10 mm nominal size and smaller	BS 812-2:1995	Laboratory
	Particle size distribution - washing and sieving	BS 812:Part 103:Section 103.1:1985	Laboratory
	Moisture content - oven drying method	BS 812:Part 109:1990	Laboratory
	Frost heave	BS 812:Part 124:12008	Laboratory
	Particle size distribution - sieving method	BS EN 933-1:1997	Laboratory
	Particle shape - flakiness index	BS EN 933-3:1997	Laboratory
	Particle shape - shape index	BS EN 933-4:2000	Laboratory
	Water content - drying in a ventilated oven	BS EN 1097-5:1997	Laboratory
	Bulk density of filler in kerosene	BS EN 1097-3:1998	Laboratory
Particle density and water absorption - particles between 4 mm and 31.5 mm	BS EN 1097-6:2000 Clause 8	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)	Particle density and water absorption - particles between 0.063 mm and 4 mm	BS EN 1097-6:2000 Clause 9	Laboratory
	Particle density of filler - pyknometer method	BS EN 1097-7:2008	Laboratory
	Magnesium sulphate test (excluding simple petrographical description)	BS EN 1367-2:1998	Laboratory
	Description of mixtures containing recycled aggregates	BS EN 13285:2003 Annex A	Laboratory
	Constituent materials in recycled aggregate and recycled concrete aggregate	Specification for Highway Works, HMSO November 2004 Clause 710	Laboratory
BITUMINOUS MATERIALS	Needle penetration	BS EN 1426:2000	Laboratory
	Softening point - ring and ball method	BS EN 1427:2000	Laboratory
	Recovery of bitumen binders by dichloromethane extraction - rotary film evaporator method	BS 12697-3 2000	Laboratory
	Density or relative density of bitumen - capillary stoppered pyknometer method	BS EN ISO 3838:2004	Laboratory
BITUMINOUS MIXTURES for roads and other paved areas	Sampling from - around the augers of the paver	BS 598:Part 100:2004	Site
	Sampling of finished material - core cutting method (<i>depth 0-800 mm</i>)	BS 598:Part 100:2004	Site
	Sampling - Sampling from the material around the augers of the paver - Sampling from stockpiles of material - laid and compacted material by coring - (<i>depth 0-800 mm</i>)	BS EN 12696-27:2001	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:Part 102:2003	Laboratory
	Binder content and grading of mineral aggregate - extraction bottle method: binder directly determined, filler by difference	BS 598:Part 102:2003	Laboratory
	Percentage refusal density (PRD)	BS 598:Part 104:2005	Laboratory
	Density of cores	BS 598:Part 104:2005	Laboratory
	Determination of the composition of design wearing course rolled asphalt (loads from 0.2 kN to 25 kN)	BS598:Part 107:2004	Laboratory
	Soluble binder content by difference, using bottle rotation machine and pressure filter	BS EN 12697-1:2000	Laboratory
	Soluble binder content by recovery, using bottle rotation machine, bucket centrifuge type 1 and volume calculation	BS EN 12697-1:2000	Laboratory
	Particle size distribution	BS EN 12697-2:2002	Laboratory
	Maximum density - volumetric procedure	BS EN 12697-5:2002	Laboratory
	Air voids content	BS EN 12697-8:2003	Laboratory
	Binder drainage - basket method	EN 12697-18:2004	Laboratory
	Conventional refusal density - vibratory compaction	BS EN 12697-9:2002	Laboratory
Percentage refusal density (PRD) - vibratory compaction	BS EN 12697-9:2002	Laboratory	



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BITUMINOUS MIXTURES for roads and other paved areas (cont'd)	Bulk density - dry - saturated surface dry (SSD) - sealed specimen - by dimensions	BS EN 12697-6:2003	Laboratory
	Binder drainage	BSI DD 232:1996	Laboratory
	Measurement of layer thickness of bituminous materials	BS EN 12697-36:2003	Laboratory
	Measurement of layer thickness of bituminous materials	Documented In-House Method No FI01:1998 based on the New Roads and Street Works Act (1991) (Specification for the Reinstatement of Openings in Highways) - 2 nd edition: June 2002	Laboratory
	Visual examination of bituminous core samples	Documented In-House Method No FI02:1998 based on the New Roads and Street Works Act (1991) (Specification for the Reinstatement of Openings in Highways) - 2 nd edition: June 2002	Laboratory
CONCRETE - fresh	Temperature measurement - measurements of temperature in a lorry	BS EN 12697-13:2000	Site
	Sampling fresh concrete on site - spot sample	BS EN 12350-1:2000	Site
	Slump	BS EN 12350-2:2000	Site
CONCRETE - hardened	Making test cubes	BS EN 12390-2:2000	Laboratory Site
	Coring	BS 1881:Part 120:1983	Site
	Compressive strength of cubes - including curing (loads from 15 to 2000kN)	BS 1881-116:1983 BS 1881-111:1983	Laboratory



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CONCRETE - hardened (cont'd)	Density	BS 1881-114:1983	Laboratory
	Compressive strength of cores (loads from 15 to 2000kN)	BS 1881:Part 120:1983	Laboratory
	Compressive strength of cubes - including curing (loads from 15 to 2000kN)	BS EN 12390-3:2002 BS EN 12390-1:2000 BS EN 12390-2:2000	Laboratory
	Density	BS EN 12390-7:2000	Laboratory
	Cored specimens - examining and testing in compression (loads from 15 to 2000kN)	BS EN 12504-1:2000	Laboratory
	Concrete rebound number using Concrete rebound hammer	BS EN 12504-2:2001	Laboratory Site
	Measurement of layer thickness of concrete core samples	Documented In-House Method No FI06:1999 based on the New Roads and Street Works Act (1991) (Specification for the Reinstatement of Openings in Highways) - 2 nd edition: June 2002	Laboratory
PAVED SURFACES	Skid resistance value	BS 7976-2:2002	Site
	Skid resistance value	TRRL RN 27/69	Site
	Measurement of performance requirements: surface crowning and depression	Documented In-House Method No FI04:1998 based on the New Roads and Street Works Act (1991) (Specification for the Reinstatement of Openings in Highways) - 2 nd edition: June 2002	Site
ROAD PAVEMENT SURFACES	Measurement of pavement surface macrotexture depth using a volumetric patch technique	BS EN 13036-1:2002	Site
	Surface regularity using a rolling straight-edge	Specification for Highway Works, HMSO December 2002 Clause 702	Site



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ROAD PAVEMENT SURFACES (cont'd)	Texture depth by the sand-patch method	Documented In-House Method No F107:2002 based on the New Roads and Street Works Act (1991) (Specification for the Reinstatement of Openings in Highways - 2 nd edition: June 2002) and BS 598-105:2000	Site
	Measurement of the thickness of unbound materials	Documented In-House Method No F108:2004 based on the New Roads and Street Works Act (1991) (Specification for the Reinstatement of Openings in Highways – 2 nd edition: June 2002)	Site
	In-situ density using a pavement density meter	Documented In-House Method No. FIL STP/009:2006	
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
	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
	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	
Dry density/moisture content relationship (vibrating hammer)	BS 1377:Part 4:1990	Laboratory	



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SOILS for civil engineering purposes (cont'd)	MCV - natural moisture content	BS 1377-4:1990	Laboratory
	MCV/moisture content relation	BS 1377-4:1990	Laboratory
	Chalk crushing value (CCV)	BS 1377-4:1990	Laboratory
	California Bearing Ratio (CBR) (loads from 1.5 to 50 kN)	BS 1377:Part 4:1990	Laboratory
	Uniformity coefficient (221 2217)	BS 6100-2.2.1:1992	Laboratory
UNBOUND and HYDRAULICALLY BOUND MIXTURES	Proctor test for mixtures compacted with a 2,5 kg rammer (A) in the Proctor mould (A) using alternative apparatus	BS EN 13286-2:2004	Laboratory
	Proctor test for mixtures compacted with a 2,5 kg rammer (A) in the large Proctor mould (B) using alternative apparatus	BS EN 13286-2:2004	Laboratory
	Modified Proctor test for mixtures compacted with a 4,5 kg rammer (B) in the Proctor mould (A) using alternative apparatus	BS EN 13286-2:2004	Laboratory
	Modified Proctor test for mixtures compacted with a 4,5 kg rammer (B) in the large Proctor mould (B) using alternative apparatus	BS EN 13286-2:2004	Laboratory
	Laboratory reference density and water content - vibrating hammer	BS EN 13286-4:2003	Laboratory
	Manufacture of test specimens of hydraulically bound mixtures using vibrating hammer compaction	BS EN 13286-51:2004	Laboratory

END