

Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 <p style="text-align: center;">Accredited to ISO/IEC 17025:2005</p>	<p>Leiths Scotland Ltd</p> <p>Issue No: 019 Issue date: 13 March 2014</p>
<p>Rigifa Cove Aberdeen AB12 3LR</p>	<p>Contact: Mr N Anderson Tel: +44 (0)1224-876333 Fax: +44 (0)1224-876332 E-Mail: nanderson@leiths-group.co.uk Website: www.leiths.group.co.uk</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 Leiths Scotland Ltd Rigifa Aberdeen AB12 3LR</p> <p>Local contact Mr N Anderson Tel: +44 (0)1224 876333 Fax: +44 (0)1224 876332 EMail: nanderson@leiths-group.co.uk Website: www.leiths-group.co.uk</p>	<p><u>Laboratory Testing</u></p> <p>Aggregates Bituminous Materials Concrete Soils</p>	A
<p>Address Leiths Scotland Ltd Achilty Quarry Contin Strathpeffer Ross-shire IV14 9EG</p> <p>Local contact Mr N Anderson Tel: +44 (0)1997 421122 Fax: +44 (0)1997 421145 EMail: nanderson@leiths-group.co.uk Website: www.leiths-group.co.uk</p>	<p><u>Laboratory Testing</u></p> <p>Aggregates Bituminous Materials</p>	B
<p>Address Leiths Scotland Ltd Lady Victoria Business Park Newtongrange Midlothian EH22 4QN</p> <p>Local contact Mr N Anderson Tel: +44 (0)1224 876333 Fax: +44 (0)1224 876332 EMail: nanderson@leiths-group.co.uk Website: www.leiths-group.co.uk</p>	<p><u>Site Sampling and Testing Only</u></p> <p>Aggregates Bituminous Materials</p>	C
<p>Address Leiths Scotland Ltd Parkmore Quarry Dufftown Keith AB55 4DL</p> <p>Local contact Mr N Anderson Tel: +44 (0)1340 820200 Fax: +44 (0)1340 820890 EMail: nanderson@leiths-group.co.uk Website: www.leiths-group.co.uk</p>	<p><u>Laboratory Testing</u></p> <p>Aggregates Bituminous Materials Concrete Soils Lime</p>	D



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Site activities performed away from the locations listed above:

Location details	Activity	Location code
<p>All locations suitable for the activities listed</p> <p>Local contact Mr N Anderson Tel: +44 (0)1224 876333 Fax: +44 (0)1224 876332 EMail: nanderson@leiths-group.co.uk Website: www.leiths-group.co.uk</p>	<p><u>Site Sampling and Testing</u> from the locations given above</p> <p>Aggregates Bituminous Materials Concrete Road Pavements Soils</p>	<p>E</p>



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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
Laboratory Testing			
AGGREGATES	Bulk density and calculation of voids and bulking of aggregate	BS EN 1097-3:1998	A,D
	Soundness	BS EN 1367-2:2009	D
	Particle size distribution - sieving method	BS EN 933-1:2012	A,B,D
	Flakiness index	BS EN 933-3:2012	A,B,D
	Assessment of fines - Air jet sieving	BS EN 933-10:2009	A
	Water content	BS EN 1097-5:2008	A,D
	Particle density and water absorption - wire-basket method for aggregate particles between 31,5 mm and 63 mm	BS EN 1097-6:2013	A,D
	Particle density and water absorption - pyknometer method for aggregate particles between 4 mm and 31,5 mm	BS EN 1097-6:2013	A,D
BITUMINOUS MIXTURES for roads and other paved areas	Binder content and grading of mineral aggregate - extraction bottle method: binder determination by difference	BS EN 12697-1:2012	A,B,D
	Particle size distribution	BS EN 12697-2:2005	A,B,D
	Maximum density - volumetric procedure	BS EN 12697-5:2009	A,D
	Bulk density - dry	BS EN 12697-6:2012	A,D



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BITUMINOUS MIXTURES for roads and other paved areas (cont'd)	Determination of air void content	BS EN 12697-8:2003	A,D
	Conventional reference density - vibratory compaction	BS EN 12697-9:2002	A,D
	Laboratory compaction of bituminous mixtures by vibratory compaction	BS EN 12697-32:2003	A,D
	Determination of the composition of design wearing course rolled asphalt	BS 594987:2010	D
	Determination of water sensitivity – method A	BS EN 12697-12:2008	D
	Marshall asphalt mixture design	Marshall Asphalt for Airfields Defence Estates Specification 013 Appendix A : October 2007	D
CONCRETE - hardened	Compressive strength of cubes – including curing	BS EN 12390-3:2009 BS EN 12390-2:2009	A,D
	Density	BS EN 12390-7:2009	A,D
	Shape, dimensions	BS EN 12390-1:2012	A,D
SOILS for civil engineering purposes	Particle size distribution - wet sieving	BS 1377-2:1990	A,D
	Particle size distribution - dry sieving	BS 1377-2:1990	A,D
LIME	Neutralisation value	Documented In-house Method LMS 02	D



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Sampling and Site Testing			
AGGREGATES	Sampling aggregates - from stockpiles - from lorries	BS EN 932-1:1997	E
	Reduction of laboratory samples	BS EN 932-2:1999	A,B,C,D,E
BITUMINOUS MIXTURES for roads and other paved areas	Sampling from - a lorry-load - around the augers of the paver	BS EN 12697-27:2001	E
	Sampling of finished material - core cutting method	BS EN 12697-27:2001	E
	Sampling coated chippings from stockpiles	BS EN 12697-27:2001	E
	Temperature of bituminous mixtures - in a lorry - in laid material	BS EN 12697-13:2000	E
CONCRETE - fresh	Sampling fresh concrete on site - composite sample - spot sample	BS EN 12350-1:2009	E
	Slump	BS EN 12350-2:2009	E
	Air content - pressure gauge method	BS EN 12350-7:2009	E
	Making cubic specimens for strength tests	BS EN 12390-2:2009	A,B,D,E
	Curing cubic specimens for strength tests	BS EN 12390-2:2009	A,B,D



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ROAD PAVEMENT SURFACES	Texture depth - by the sand-patch method	BS 598-105:2000 (withdrawn)	E
	Surface regularity using a rolling straight-edge	Specification for Highway Works, HMSO November 2004 Clause 702	E
BITUMINOUS ROAD SURFACING	In-situ density - nuclear method	Documented In-House Method No LMS 08	E
SOILS for civil engineering purposes	In-situ density - sand replacement method (large pouring cylinder)	BS 1377-9:1990	E
	Vertical deformation and strength characteristics of soil by the plate loading method	BS 1377-9:1990	E
	Dynamic cone penetrometer	Documented In-House Method No TPROC E2	E
END			