


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 1420 Accredited to ISO/IEC 17025:2017	BAM Nuttall Limited trading as BAM Ritchies	
	Issue No: 042 Issue date: 21 March 2023	
	Glasgow Road Kilsyth Glasgow G65 9BL	Contact: Mr W O'Hara Tel: +44 (0)1236 467 000 Fax: +44 (0)1236 467 030 E-Mail: billy.ohara@bam.com Website: www.bamritchies.co.uk
Testing performed by the Organisation at the locations specified below		

Locations covered by the organisation and their relevant activities

BAM Nuttall Limited trading as BAM Ritchies is accredited for a flexible scope that enables them to establish site laboratories to conduct the activities detailed below marked 'Flexi', in accordance with their documented in-house procedure: LP00.

Laboratory locations:

Location details		Activity	Location code
Address Glasgow Road Kilsyth Glasgow G65 9BL	Local contact Mr I Bamford Tel: +44 (0)1236 467 000 Email:ian.bamford@bam.com	Aggregates, Concrete & Soils testing	A
Address Hinkley Point C Wick Moor Drove Near Bridgewater TA5 1UD	Local contact Mr I. Bamford Tel: +44 (0)7876 131 385 Email:ian.bamford@bam.com	Aggregates, Concrete & Soils testing	C
Address HS2 Greatworth Green Tunnel, Sulgrave Road, Northamptonshire, OX17 2HQ	Local contact Mr I. Bamford Tel: +44 (0)7876 131 385 Email:ian.bamford@bam.com	Aggregates, Concrete & Soils testing	D
Address BAM Ritchies Laboratory, Low Hall Road, Horsforth, Leeds LS18 4EW	Local contact Mr I Bamford Tel: +44 (0)7876 131 385 Email:ian.bamford@bam.com	Concrete & Soils testing	B



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Laboratory locations currently operating under Flexible Scope :

Location details	Activity	Location code
Address Clifton Ings A19 Shipton Road York YO30 5RX Local contact Mr I Bamford Tel: +44 (0)7876 131 385 Email:ian.bamford@bam.com	Soils testing	E
Address Hs2 C2-C3 Project South Laboratory EKFB A41 Bicester Rd Compound Aylesbury Rd Waddesden HP18 0PX Local contact Mr I. Bamford Tel: +44 (0)7876 131 385 Email:ian.bamford@bam.com	Aggregates, Concrete & Soils testing	F

Site activities performed away from the locations listed above:

Location details	Activity	Location code
Address All locations suitable for the activities listed Local contact Mr I. Bamford Tel: +44 (0)7876 131 385 email:ian.bamford@bam.com	Site sampling & testing	X



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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 flattened stockpiles	BS EN 932-1:1997	X, Flexi
	Sample Reduction	BS EN 932-2:1999	X, Flexi
	Particle size distribution - sieving method	BS EN 933-1:2012	A, C, F, Flexi
	Flakiness Index	BS EN 933-3:2012	A, C, Flexi
	Assessment of fines - methylene blue test	BS EN 933-9:2009 +A1:2013	C
	Resistance to fragmentation of coarse aggregate - Los Angeles method	BS EN 1097-2:2020	A, C
	Loose bulk density and voids	BS EN 1097-3:1998	A, C, Flexi
	Water Content	BS EN 1097-5:2008	C, F, Flexi
	Particle density and water absorption - pyknometer method for aggregate between 4 mm and 31,5 mm	BS EN 1097-6:2022	A, C, Flexi
	Particle density and water absorption - pyknometer method for aggregate between 0,063 mm and 4 mm	BS EN 1097-6:2022	A, C, Flexi
Magnesium sulfate test (excluding simple petrographical description)	BS EN 1367-2:2009	A	
Moisture content - microwave method	DIHM BRLITP08:Nov2018	C, Flexi	



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BITUMINOUS MIXTURES for roads and other paved areas	Temperature of bituminous mixtures - in the hopper of a paver	BS 598-109:1990	X, Flexi
	Measurements of temperature - in a lorry - of laid materials	BS EN 12697-13:2017	X, Flexi
	Sampling from the material around the augers of the paver	BS EN 12697-27:2017	X, Flexi
GEOTECHNICAL INVESTIGATION and TESTING - Laboratory testing of soil	Water content	BS EN ISO 17892-1:2014+ A1:2022	A, C, Flexi
	Determination of bulk density	BS EN ISO 17892-2:2014	A, C
	Determination of particle density	BS EN ISO 17892-3:2015	A, C
	Determination of particle size distribution - sieving method - hydrometer method	BS EN ISO 17892-4:2016	A, Flexi
	Incremental loading oedometer test	BS EN ISO 17892-5:2017	A
	Unconsolidated undrained triaxial test	BS EN ISO 17892-8:2018	A
	Determination of plastic limit	BS EN ISO 17892-12:2018 +A1:2021	A Flexi
	Determination of plasticity index	BS EN ISO 17892-12:2018 +A1:2021	A Flexi
	Determination of liquid limit - fall cone method	BS EN ISO 17892-12:2018 +A1:2021	A Flexi



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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	Moisture content - oven drying method	BS 1377-2:1990	A, B, C, D, E, F Flexi
	Saturation moisture content of chalk	BS 1377-2:1990	A, D, F, Flexi
	Liquid limit - cone penetrometer	BS 1377-2:1990	A, C, D F, Flexi
	Liquid limit - cone penetrometer - one point	BS 1377-2:1990	A, C, D F, Flexi
	Plasticity index	BS 1377-2:1990	A, C, D F, Flexi
	Density - linear measurement	BS 1377-2:1990	A, B, E, F, Flexi
	Particle density - gas jar	BS 1377-2:1990	A, C, Flexi
	Particle size distribution - wet sieving - dry sieving	BS 1377-2:1990	A, B, C, F, D, E Flexi
	Particle size distribution - sedimentation - hydrometer method	BS 1377-2:1990	A, C, Flexi
	California Bearing Ratio (CBR)	BS 1377-4:1990	A
	Dry density/moisture content relationship (2.5 kg rammer)	BS 1377-4:1990	A, B, C, D, E, F, Flexi
	Dry density/moisture content relationship (4.5 kg rammer)	BS 1377-4:1990	A, B, C, D, E, F, Flexi
Dry density/moisture content relationship (vibrating hammer)	BS 1377-4:1990	A, C, D, F, Flexi	



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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 purpose (cont'd)	Moisture condition value (MCV)	BS 1377-4:1990	A, C, D F, Flexi
	One-dimensional consolidation properties	BS 1377-5:1990	A
	Undrained shear strength - triaxial compression without measurement of pore pressure	BS 1377-7:1990	A
	In-situ density - sand replacement method (large pouring cylinder) - core cutter method	BS 1377-9:1990	X, Flexi
	In-situ bulk density - nuclear method - compliance tests	BS 1377-9:1990	X, Flexi
	Moisture condition value	SDD Tech Memo SH7/83. SDD Appls Guide No1 (Rev 1989)	A, Flexi
	Insitu California Bearing Ratio (CBR)	BS 1377-9:1990	X, Flexi
	Vertical deformation and strength characteristics of soil by the plate loading test	BS 1377-9:1990	X Flexi
	Determination of methylene blue value	NF P94-068:1998	C
	Plate load test (deformation modulus)	NF P94-117-1:2000	X
UNBOUND & HYDRAULICALLY BOUND MIXTURES	Determination of degree of pulverisation	BS EN 13286-48:2005	A, C, D, F
	Manufacture of cubic test specimens - vibrating hammer compaction	BS EN 13286-51:2004	C



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CONCRETE - fresh	Sampling fresh concrete -spot -composite	BS EN 12350-1:2019	X, Flexi
	Slump	BS EN 12350-2:2019	X, Flexi
	Flow table test	BS EN 12350-5 2019	X, Flexi
	Density of fresh concrete	BS EN 12350-6:2019	X, Flexi
	Air Content - pressure method	BS EN 12350-7:2019	X, Flexi
	Slump flow	BS EN 12350-8:2019	X, Flexi
	Making cubic specimens for strength tests	BS EN 12390-2:2019	A, C, Flexi
	Measuring the fibre content in fresh and hardened concrete	BS EN 14721:2005 + A1:2007	C
CONCRETE - sprayed	Sampling fresh & hardened concrete	BS EN 14488-1:2005	X
	Compressive strength young spray concrete	BS EN 14488-2:2006	X
	Fibre content of reinforced concrete (Method A)	BS EN 14488-7:2006	A, C
	Measurement of bond strength by pull off test	DIHM HLITP07	X
CONCRETE - hardened	Compressive strength of cubes	BS EN 12390-3:2019	A, B, C, F, Flexi
	Shape, Dimensions	BS EN 12390-1:2021	A, B, C, F, Flexi
	Density	BS EN 12390-7:2019	A, B, C, F, Flexi
	Cored specimen - examination - compressive strength	BS EN 12504-1:2019	A,



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CONCRETE – hardened (Cont'd)	Curing	BS EN 12390-2:2019	A, B, C, F, Flexi
	Measuring the fibre content in fresh and hardened concrete	BS EN 14721:2005+A1:2007	C
MORTARS and GROUTS - hardened	Curing	BS 4551:2005+A2:2013 BS EN 1015-11:1999	A
STRUCTURAL FIXINGS	Tensile loading	BS 5080-1:1993	A
	Tensile loading	CFA Guidance note – Procedure for site testing construction fixings – 2012	X
ROAD PAVEMENT SURFACES	Irregularities on surfaces of roads, footways and other paved areas using a type 1 transverse straightedge	BS 8420:2003	X
	Pavement surface macrotexture depth using a volumetric patch technique	BS EN 13036-1:2010	X
END			