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: 052 **Issue date:** 08 July 2026

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

BAM Nuttall Limited trading as BAM Ritchies is accredited to establish temporary site laboratories and 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 Hs2 C2-C3 Project South Laboratory EKFB A41 Bicester Road Compound Aylesbury Road Waddesden HP18 0PX **Local contact** Mr I. Bamford Tel: +44 (0)7876 131 385 Email: ian.bamford@bam.com	Aggregates, Concrete & Soils testing	F

1420

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Location details		Activity	Location code
Address Devonport Royal Dockyard BAM Ritchies Laboratory c/o Kier BAM JV Site Office Goschen Yard (Goschen Center) Saltash Road Plymouth PL2 1QS	**Local contact** Mr I. Bamford Tel: +44 (0)7876 131 385 Email: ian.bamford@bam.com	Aggregates, Concrete & Soils testing	G
Address HVDC Peterhead Convertor Station Boddam Peterhead AB42 3AJ	**Local contact** Mr I. Bamford Tel: +44 (0)7876 131 385 Email: ian.bamford@bam.com	Aggregates, Concrete & Soils testing	J
Address HVDC Wren Hall Convertor Station Wren Hall Drax Selby Yorkshire YO8 8NG	**Local contact** Mr I. Bamford Tel: +44 (0)7876 131 385 Email: ian.bamford@bam.com	Aggregates, Concrete & Soils testing	K

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
Temporary Site		Aggregates,Concrete & Soils testing	Letter with *

1420

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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*, G*, J*, K*, Flexi
	Flakiness Index	BS EN 933-3:2012	A, C*, G*, Flexi
	Assessment of fines - methylene blue test	BS EN 933-9:2022	A, G*
	Resistance to fragmentation of coarse aggregate - Los Angeles method	BS EN 1097-2:2020	A
	Loose bulk density and voids	BS EN 1097-3:1998	A, C*, G*, Flexi
	Water Content	BS EN 1097-5:2008	C*, D*, F*, G*, Flexi
	Particle density and water absorption - pyknometer method for aggregate between 4 mm and 31,5 mm	BS EN 1097-6:2022	A, C*, G*, Flexi
	Particle density and water absorption - pyknometer method for aggregate between 0,063 mm and 4 mm	BS EN 1097-6:2022	A, C*, D*, G*, Flexi
	Moisture content - microwave method	DIHM BRLITP08:Nov2018	C*, Flexi

1420

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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	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 – fluid pycnometer method	BS EN ISO 17892-3:2015	A
	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
	Direct shear using the small shearbox test apparatus	BS EN ISO 17892-10:2018	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, C*, D*, 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, Flexi
	Particle density - gas jar	BS 1377-2:1990	A, C*, Flexi
	Particle size distribution - wet sieving - dry sieving	BS 1377-2:1990	A, C*, D*, F, Flexi
	Particle size distribution - sedimentation - hydrometer method	BS 1377-2:1990	A, C*, Flexi
	California Bearing Ratio (CBR)	BS 1377-4:1990	A
	California Bearing Ratio (CBR)	BS 1377-2:2022	A
	Dry density/moisture content relationship - 2.5 kg rammer	BS 1377-4:1990	A, C*, D*, F*, Flexi
	Dry density/moisture content relationship - 2.5 kg rammer	BS 1377-2:2022	A, Flexi
	Dry density/moisture content relationship - 4.5 kg rammer	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 purposes (cont'd)	Dry density/moisture content relationship - 4.5 kg rammer	BS 1377-2:2022	A, Flexi
	Dry density/moisture content relationship - vibrating hammer	BS 1377-4:1990	A, D*, F*, Flexi
	Dry density/moisture content relationship - vibrating hammer	BS 1377-2:2022	A, Flexi
	Moisture condition value (MCV)	BS 1377-4:1990	A, C*, D* F*, Flexi
	Moisture condition value (MCV)	BS 1377-2:2022	A, 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
	Determination of shear strength by direct shear - small shearbox apparatus	BS 1377-7:1990	A
	Determination of shear strength by direct shear - small shearbox apparatus	BS 1377-2:2022	A
	Moisture condition value	SDD Tech Memo SH7/83. SDD Appls Guide No1 (Rev 1989)	A, Flexi
	Determination of Thermal Conductivity of Soil and Rock by Thermal Needle Probe Procedure	ASTM D5334-22a	A, Flexi
	In-situ density - sand replacement method - large pouring cylinder	BS 1377-9:1990	X, Flexi

1420

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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)	In-situ density - core cutter method	BS 1377-9:1990	X, Flexi
	In-situ bulk density - nuclear method - compliance tests	BS 1377-9:1990	X, 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
	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, D*, F*
	Manufacture of cubic test specimens - vibrating hammer compaction	BS EN 13286-51:2004	D*, F*
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*, J*, K*, Flexi
	Measuring the fibre content in fresh and hardened concrete	BS EN 14721:2005 + A1:2007	C*

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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
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*
CONCRETE - hardened	Compressive strength of cubes	BS EN 12390-3:2019	A, C*, D*, F*, G*, J*, K*, Flexi
	Shape, Dimensions	BS EN 12390-1:2021	A, C*, D*, F*, G*, J*, K*, Flexi
	Density	BS EN 12390-7:2019	A, C*, D*, F*, G*, J*, K*, Flexi
	Cored specimen - examination - compressive strength	BS EN 12504-1:2019	A
	Curing	BS EN 12390-2:2019	A, C*, D*, F*, G*, J*, K*, 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 (Withdrawn)	G*
	Tensile loading	CFA Guidance note – Procedure for site testing construction fixings - 2012 - 2023	G*

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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
FOUNDATION PILES	Low strain impact integrity testing of deep foundations	ASTM D5882-16	X
END			