


# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

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

 <b>Accredited to ISO/IEC 17025:2017</b>	<b>BAM Nuttall Limited trading as BAM Ritchies</b>	
	<b>Issue No:</b> 049 <b>Issue date:</b> 03 February 2025	
	<b>Glasgow Road Kilsyth Glasgow G65 9BL</b>	<b>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</b>
<b>Testing performed by the Organisation at the locations specified below</b>		

### 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
<b>Address</b> Glasgow Road Kilsyth Glasgow G65 9BL	<b>Local contact</b> Mr I Bamford  Tel: +44 (0)1236 467 000 Email:ian.bamford@bam.com	Aggregates, Concrete & Soils testing	A
<b>Address</b> Hinkley Point C Wick Moor Drove Near Bridgewater TA5 1UD	<b>Local contact</b> Mr I. Bamford  Tel: +44 (0)7876 131 385 Email:ian.bamford@bam.com	Aggregates, Concrete & Soils testing	C
<b>Address</b> HS2 Greatworth Green Tunnel, Sulgrave Road, Northamptonshire, OX17 2HQ	<b>Local contact</b> Mr I. Bamford  Tel: +44 (0)7876 131 385 Email:ian.bamford@bam.com	Aggregates, Concrete & Soils testing	D



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**Laboratory locations currently operating under Flexible Scope :**

Location details	Activity	Location code
<b>Address</b> Hs2 C2-C3 Project South Laboratory EKFB A41 Bicester Rd Compound Aylesbury Rd Waddesden <b>HP18 0PX</b>  <b>Local contact</b> Mr I. Bamford  Tel: +44 (0)7876 131 385 Email:ian.bamford@bam.com	Aggregates,Concrete & Soils testing	F
<b>Address</b> Devonport Royal Dockyard BAM Ritchies Laboratory c/o Kier BAM JV Site Office Goschen Yard (Goschen Center), Saltash Road Plymouth PL2 1QS  <b>Local contact</b> Mr I. Bamford  Tel: +44 (0)7876 131 385 Email:ian.bamford@bam.com	Aggregates,Concrete & Soils testing	G
<b>Address</b> HVDC Peterhead Convertor Station Boddam Peterhead AB42 3AJ  <b>Local contact</b> Mr I. Bamford  Tel: +44 (0)7876 131 385 Email:ian.bamford@bam.com	Aggregates,Concrete & Soils testing	J
<b>Address</b> HVDC Wren Hall Convertor Station Wren Hall Drax Selby Yorkshire YO8 8NG  <b>Local contact</b> Mr I. Bamford  Tel: +44 (0)7876 131 385 Email:ian.bamford@bam.com	Aggregates,Concrete & Soils testing	K



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Site activities performed away from the locations listed above:

Location details		Activity	Location code
<b>Address</b> All locations suitable for the activities listed	<b>Local contact</b> 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, 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
BITUMINOUS MIXTURES for roads and other paved areas	Moisture content - microwave method	DIHM BRLITP08:Nov2018	C, Flexi
	Temperature of bituminous mixtures - in the hopper of a paver	BS 598-109:1990	X, Flexi



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BITUMINOUS MIXTURES for roads and other paved areas (cont'd)	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 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
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



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SOILS for civil engineering purposes (cont'd)	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
	Dry density/moisture content relationship - 2.5 kg rammer	BS 1377-4:1990	A, C, D, F, Flexi
	Dry density/moisture content relationship - 4.5 kg rammer	BS 1377-4:1990	A, C, D, F, Flexi
	Dry density/moisture content relationship - vibrating hammer	BS 1377-4:1990	A, D, F, Flexi
	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
	Determination of shear strength by direct shear - small shearbox apparatus	BS 1377-7: 1990	A



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SOILS for civil engineering purpose (cont'd)	In-situ density - sand replacement method - large pouring cylinder	BS 1377-9:1990	X, Flexi
	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
	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
	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



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CONCRETE – fresh (cont'd)	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
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
	Curing	BS 4551:2005+A2:2013 BS EN 1015-11:1999	A
MORTARS and GROUTS - hardened	Curing	BS 4551:2005+A2:2013 BS EN 1015-11:1999	A





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STRUCTURAL FIXINGS	Tensile loading	BS 5080-1:1993 (Withdrawn)	G
	Tensile loading	CFA Guidance note – Procedure for site testing construction fixings - 2012 - 2023	G
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			