


Schedule of Accreditation

issued by
United Kingdom Accreditation Service
 21 - 47 High Street, Feltham, Middlesex, TW13 4UN, UK

 Accredited to ISO/IEC 17025:2005	BAM Nuttall Limited Trading as BAM Ritchies	
	Issue No: 017	Issue date: 30 November 2011
Glasgow Road Kilsyth Glasgow G65 9BL	Contact: Ms M Marsh Tel: +44 (0)1236 467000 Fax: +44 (0)1236 467030 E-Mail: ritchies@bamritchies.co.uk 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: LP09.

Laboratory locations:

Location details	Activity	Location code
Address Glasgow Road Kilsyth Glasgow G65 9BL	Local contact Mr W O'Hara Tel: +44 (0)1236 467000 Fax: +44 (0)1236 467030	Concrete & Soils A
Address Site Laboratory SPRS Projects W17, Site 3 Seascale Sellafield Cumbria	Local contact Mr C Southam Tel: +44 (0)750 066 9197	Aggregates & Concrete B
Address BAM JV Glendoe Estate Fort Augustus PH32 4BZ	Local contact Mr C Southam Tel: +44 (0)750 066 9197	Aggregates Soils & Concrete C
Address AWE MENSA Phase 2 Burghfield Reading Berkshire	Local contact Mr J Watson Tel: +44 (0)1946 729496	Aggregates Soils & Concrete D



1420

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Site activities performed away from the locations listed above:

Location details	Activity	Location code
<p>Address All locations suitable for the activities listed</p> <p>Local contact Ms M Marsh Tel: +44 (0)1946 729496</p>	<p>Site sampling & testing</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
AGGREGATES	Sampling coarse, fine and all-in aggregates - from flattened stockpiles - from conveyor belts - vehicles	BS EN 932-1:1997	B, C, D, E, Flexi
	Particle size distribution - washing and sieving	BS EN 933-1:1997	B, C, D, Flexi
	Flakiness Index	BS EN 933-3:1997	B, C, D, Flexi
	Shape Index	BS EN 933-4:2000	B, C, Flexi
	Resistance to fragmentation of coarse aggregate - Los Angeles method	BS EN 1097-2:1997	D
	Loose bulk density and voids	BS EN 1097-3:1998	B, D, Flexi
	Water Content	BS EN 1097-5:1999	B, C, D, Flexi
	Particle density and water absorption - pycnometer method for aggregate between 4 mm and 31,5 mm	BS EN 1097-6:2000	B, D, Flexi
	Particle density and water absorption - pycnometer method for aggregate between 0,063 mm and 4 mm	BS EN 1097-6:2000	B, D, Flexi
Moisture content - microwave method	DIHM GDIPT02	C	
SOILS for civil engineering purposes	Moisture content - oven drying method	BS 1377-2:1990	A, Flexi
	Liquid limit - cone penetrometer	BS 1377-2:1990	A, Flexi



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SOILS for civil engineering purpose (cont'd)	Liquid limit - cone penetrometer - one point	BS 1377-2:1990	A, Flexi
	Plasticity index and liquidity index	BS 1377-2:1990	A
	Density - linear measurement	BS 1377-2:1990	A, Flexi
	Particle density - gas jar	BS 1377-2:1990	A, Flexi
	Particle density - large pyknometer	BS 1377-2:1990	A
	Particle size distribution - wet sieving	BS 1377-2:1990	A, D, Flexi
	Particle size distribution - sedimentation - hydrometer method	BS 1377-2:1990	A, Flexi
	California Bearing Ratio (CBR) (loads from 0.5 to 28kN)	BS 1377-4:1990	A
	Dry density/moisture content relationship (2.5 kg rammer)	BS 1377-4:1990	A, D, Flexi
	Dry density/moisture content relationship (4.5 kg rammer)	BS 1377-4:1990	A, D, Flexi
	Dry density/moisture content relationship (vibrating hammer)	BS 1377-4:1990	A, D, Flexi
	Moisture condition value (MCV)	BS 1377-4:1990	A, Flexi
	One-dimensional consolidation properties	BS 1377-5:1990	A
Undrained shear strength - triaxial compression without measurement of pore pressure cell pressure up to 1,000 kPa (loads from 0.5 to 28 kN)	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	A, E, Flexi
	Moisture condition value	SDD Tech Memo SH7/83. SDD Appls Guide No1 (Rev 1989)	A
CONCRETE - fresh	Sampling fresh concrete	BS EN 12350-1:2009	B, C, D, E, Flexi
	Slump	BS EN 12350-2:2009	B, C, D, E, Flexi
	Flow table test	BS EN 12350-5 2009	B, C, D, E, Flexi
	Density of fresh concrete	BS EN 12350-6:2009	B, C, D, E, Flexi
	Air Content - pressure method	BS EN 12350-7:2009	D, Flexi
CONCRETE - sprayed	Making cubic specimens for strength tests	BS EN 12390-2:2009	B, C, D, E, Flexi
	Sampling fresh & hardened concrete	BS EN 14488-1:2005	C
	Compressive strength young spray concrete	BS EN 14488-2:2006	C
CONCRETE - hardened	Fibre content of reinforced concrete (Method A)	BS EN 14488-7:2006	C
	Compressive strength of cubes (loads from 10 to 2000kN) (loads from 40 to 2000kN)	BS EN 12390-3:2009	A, B, C, D, Flexi
	Shape, Dimensions	BS EN 12390-1:2000	A, B, C, D, Flexi
	Cored specimen - examination - compressive strength	BS EN 12504-1:2009	C
	Curing	BS EN 12390-2:2009	A, B, C, D, Flexi



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MORTARS and GROUTS - hardened	Density	BS EN 12390-7:2009	A, B, C, D, Flexi
	Curing	BS 4551:1998 BS EN 1015-11:2000	A, B

END