


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>	<h3 style="margin: 0;">STATS Limited</h3> <p style="margin: 0;">Issue No: 034 Issue date: 2 October 2006</p>	
	<p>Porterswood House Porters Wood St Albans Hertfordshire AL3 6PQ</p>	<p>Contact: Mr A Grafton Tel: +44 (0)1727-833261 Fax: +44 (0)1727-835682 E-Mail: info@stats.co.uk Website: www.stats.co.uk</p>

Testing performed by the Organisation at the locations specified below

Locations covered by the organisation and their relevant activities

Laboratory locations:

Location details	Activity	Location code
<p>Address Porterswood House Porters Wood St Albans Hertfordshire AL3 6PQ</p> <p>Local contact Mr A Grafton</p>	<p>Testing of Asbestos, Aggregates, Airborne dust, Bricks and Blocks, Concrete, Construction materials, Mortar, Paint, Rock, Roofing Slate, Building Stone, Natural Stone and Soils for civil engineering purposes.</p>	A
<p>Address The Enterprise Centre Technology Park Puma Way Coventry CV1 2TX</p> <p>Local contact Mr J S T Hodgkiss Email: coventry@stats.co.uk</p>	<p>Asbestos fibre counting and identification</p>	B

Site activities performed away from the locations listed above:

Location details	Activity	Location code
<p>Premises including domestic, commercial and industrial</p>	<p>Environmental Sampling of asbestos in air and bulk materials including four-stage clearance.</p>	C1
<p>All site locations suitable for the activities listed</p>	<p>Testing and sampling of concrete structures, flooring and paved surfaces and thermal insulation products</p>	C2



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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	Sulphate content of a 2:1 water/aggregate extract	BS 812:Part 118:1988	A
	Total sulphate content by acid extraction	BS 812:Part 118:1988	A
	Water-soluble chloride salts by potentiometry	BS EN 1744-1:1998:Section 8	A
	Water-soluble sulfates	BS EN 1744-1:1998 Section 10	A
	Acid soluble sulfates	BS EN 1744-1:1998 Section 12	A
	Qualitative and quantitative petrographic description of aggregates	BS 812:Part 104:1994	A
	Simplified petrographic description	BS EN 932-3:1997	A
	Petrographic examination of aggregates for concrete	ASTM C 295-03	A
	Petrographical examination	Documented In-House Method No TP 83:2001	A
	Ten per cent fines value - soaked - particle size 10mm and greater	BS 812:Part 111:1990	A
	Ten per cent fines value - soaked - particle size smaller than 10mm	BS 812:Part 111:1990	A
	Particle size distribution - washing and sieving	BS 812:Part 103 Section 103.1:1985 BS EN 933-1:1997	A
	Particle size distribution - dry sieving	BS 812:Part 103 Section 103.1:1985 BS EN 933-1:1997	A
	Drying shrinkage	BS EN 1367-4:1998 BS 812:Part 120:1989	A
Soundness	BS 812:Part 121:1989	A	
Magnesium sulphate test	BS EN 1367-2:1998	A	



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AGGREGATES	Alkali-silica reactivity - concrete prism method	BS 812:Part 123:1999	A
	Uniformity coefficient (221 2217)	BS 6100:Subsection 2.2.1:1992	A
	Flakiness index	BS EN 933-3:2004	A
	Shell content	BS EN 933-7:1998	A
	Micro-Deval coefficient	BS EN 1097-1:2004	A
	Resistance to fragmentation by the Los Angeles test method	BS EN 1097-2:1998	A
	Water content	BS EN 1097-5:1999	A
	Particle density and water absorption - wire-basket method for aggregate particles between 31,5 mm and 63 mm	BS EN 1097-6:2000	A
	Particle density and water absorption pyknometer method for aggregate particles between 4 mm and 31,5 mm	BS EN 1097-6:2000	A
	Particle density and water absorption - pyknometer method for aggregate particles between 0,063 mm and 4 mm	BS EN 1097-6:2000	A
Resistance to degradation of small-size coarse aggregate by abrasion and impact in the Los Angeles Machine	ASTM C 131-03	A	
Resistance to degradation of large-size coarse aggregate by abrasion and impact in the Los Angeles Machine	ASTM C 535-03	A	



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AIRBORNE DUSTS	Gravimetric determination of respirable and inhalable dust	Documented In-House Method No TP 17 based on MDHS 14/3 <u>Health and Safety Executive Asbestos: The analysts' guide for sampling, analysis and clearance procedures (HSG 248)</u>	A, B
ASBESTOS IN BULK MATERIALS including materials and products suspected of containing asbestos	Identification of: Amosite Chrysotile Crocidolite Fibrous Actinolite Fibrous Anthophyllite Fibrous Tremolite	HSG 248:February 2005 by Documented In-House Method No AWP 03 using stereo-microscopy, polarized light microscopy and dispersion staining	A, B
ASBESTOS FIBRES IN AIR	Fibre counting	Health and Safety Executive Methods for the Determination of Hazardous Substances in the series MDHS - MDHS 39/4: November 1995 - Membrane Filter Method	A, B C1
	Sampling of air for fibre counting	Health and Safety Executive Methods for the Determination of Hazardous Substances in the series MDHS-MDHS 39/4: November 1995 - Membrane Filter Method	C1
	4 stage clearance process	HSG 248:February 2005 and In-House procedures AWP 01 to 09	
ASBESTOS, CEMENT and PRODUCTS including materials and products suspected of containing asbestos	Sampling of bulk materials for asbestos identification	Documented In-House Method No AWP 02	C1



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CLAY BRICKS	Water-soluble sulfate content	Documented In-House Method No TP 9:May 1999 based on BS3921:1985	A
	Water-soluble magnesium, potassium and sodium contents	Documented In-House Method No TP 9:May 1999 based on BS3921:1985	A
	Petrographic examination	Documented In-House Method No TP 67:April 1999	A
	Compressive strength	BS 3921:1985	A
	Water absorption	BS EN 772-7:1998	A
CONCRETE – hardened	Cement and aggregate content	BS 1881:Part 124:1988	A
	Chloride content	BS 1881:Part 124:1988	A
	Sulphate content	BS 1881:Part 124:1988	A
	Carbonation	BRE Information Paper IP 6/81	A
	Rapid chemical test for detecting High Alumina Cement Concrete	Documented In-House Method TP 12 based on BRE Special Digest 3	A
	Sodium oxide and potassium oxide contents	Documented In-House Method No TP 5:July 1996	A
	Petrographic examination	ASTM C 856-04	A
	Petrographic examination	Documented In-House Method No TP 67:April 1999	A
	Compressive strength of cubes - including curing	BS 1881:Part 116:1983 BS 1881:Part 111:1983 BS EN 12390-1:2000 BS EN 12390-2:2000 BS EN 12390-3:2002	A
	Cored specimens - examining and testing in compression	BS EN 12504-1:2000 BS EN 12390-1:2000 BS EN 12390-3:2002	A



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CONCRETE – hardened	Water absorption	BS 1881:Part 122:1983	A
	Density	BS EN 12390-7:2000	A
	Depth of carbonation	Documented In-House Methods No STP 04:2001	C2
	Coring	Documented In-House Methods No STP 05:2001	C2
	Taking concrete cores	BS EN 12504-1:2000 Clause 5	C2
	Sampling of concrete by dust drilling	Documented In-House Method No STP 05:2001	C2
CONCRETE - reinforced	Location of reinforcement - up to 150mm cover	Documented In-House Method No STP 03:2001	C2
	Half-cell potential of uncoated reinforcing steel in concrete	Documented In-House Method No STP 02:2001	C2
CONSTRUCTION MATERIALS	Petrographic examination	Documented In-House Method No TP 67:April 1999	A
	Freeze/thaw resistance	Documented In-House Method No TP 39 based on DIN 52014:Part 1:1982	A
FLOORING	Slip resistance and surface roughness	Guidelines recommended by the UK Slip Resistance Group Issue 3:2005	A, C2
	Slip resistance by means of the pendulum tester	BS EN 14231:2003	A, C2
	Dampness testing	BS 8203:2001	C2
MORTARS, SCREEDS and PLASTERS	Chemical analysis and aggregate grading - freshly mixed and hardened mortars	BS 4551:2005	A
	Chemical analysis and aggregate grading – freshly mixed and hardened mortars, screeds and plasters	BS 4551:Part 2:1998	A



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MORTARS, SCREEDS and PLASTERS	Compressive strength - including curing	BS 4551:Part 1:1998	A
PAINT	Determination of lead and/or chromium	Documented In-House Method TP 81	A
PAVED SURFACES	Slip resistance and surface roughness	Guidelines recommended by the UK Slip Resistance Group Issue 3:2005	A, C2
ROCK	Petrographic examination	BS 5930:1999 ISRM Suggested Methods - Rock Characterization Testing and Monitoring. Ed. E T Brown - 1981 Documented In-House Method No TP 67:April 1999	A
ROOFING SLATES	Length and width and the deviation from the specified length and width	BS EN 12326-2:2000	A
	Amount by which the edges deviate from a straight line	BS EN 12326-2:2000	A
	Rectangularity of slates	BS EN 12326-2:2000	A
	Deviation from flatness	BS EN 12326-2:2000	A
	Petrographic examination	BS EN 12326-2:2000 BS EN 12407:2000 Documented In-House Method No TP 67:April 1999	A
	Failure load in bending	BS EN 12326-2:2000	A
	Modulus of rupture	ASTM C 120-06	A
	Water absorption	BS 680:Part 2:1971	A
	Wetting and drying	BS 680:Part 2:1971	A
	Sulphuric acid immersion	BS 680:Part 2:1971	A
Water absorption test	BS EN 12326-2:2000	A	
Thermal cycle test	BS EN 12326-2:2000	A	
Sulfur dioxide test for slates with calcium carbonate less than 20%	BS EN 12326-2:2000	A	



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SILLS AND COPINGS - slate	Sulphuric acid immersion test	BS 5642:Part 1:1978	A
	Wetting and drying test	BS 5642:Part 1:1978	A
SLATE	Petrographic examination	BS EN 12407:2000 Documented In-House Method No TP 67:April 1999	A
	Failure load in bending	BS EN 12326-2:2000	A
	Modulus of rupture	ASTM C 120-06	A
SOILS for civil engineering purposes	Organic matter content	BS 1377:Part 3:1990	A
	Sulphate content of soil and ground water - gravimetric method	BS 1377:Part 3:1990	A
	pH value	BS 1377:Part 3:1990	A
	California Bearing Ratio (CBR)	BS 1377:Part 4:1990	A
	Undrained shear strength - triaxial compression without measurement of pore pressure	BS 1377:Part 7:1990	A
	Moisture content - oven drying method	BS 1377:Part 2:1990	A
	Saturation moisture content of chalk	BS 1377:Part 2:1990	A
	Liquid limit - cone penetrometer	BS 1377:Part 2:1990	A
	Plastic limit	BS 1377:Part 2:1990	A
	Plasticity index and liquidity index	BS 1377:Part 2:1990	A
	Particle density - gas jar	BS 1377:Part 2:1990	A
	Particle density - small pycnometer	BS 1377:Part 2:1990	A



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SOILS for civil engineering purposes	Particle size distribution - wet sieving	BS 1377:Part 2:1990	A
	Particle size distribution - dry sieving	BS 1377:Part 2:1990	A
	Particle size distribution - sedimentation - hydrometer method	BS 1377:Part 2:1990	A
	Dry density/moisture content relationship (2.5 kg rammer)	BS 1377:Part 4:1990	A
	Dry density/moisture content relationship (4.5 kg rammer)	BS 1377:Part 4:1990	A
	Dry density/moisture content relationship (vibrating hammer)	BS 1377:Part 4:1990	A
	Moisture condition value (MCV)	BS 1377:Part 4:1990	A
	MCV/moisture content relation	BS 1377:Part 4:1990	A
BUILDING STONE	Petrographic examination	BS 5930:1999 BS EN 12407:2000 ISRM Suggested Methods - Rock Characterization Testing and Monitoring. Ed. E T Brown - 1981 Documented In-House Method No TP 67:April 1999	A
	Modulus of rupture	ASTM C 99-87 (2000)	A
	Compressive strength	Documented In-House Method No TP 53:October 2002 based on ASTM C 170-90 (1999)	A
	Flexural strength	ASTM C 880-06	A
	Acid resistance	Durability Tests for Building Stone (BRE Report BR141:1989)	A
	Slip resistance and surface roughness	Guidelines recommended by the UK Slip Resistance Group Issue 3:2005	A



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BUILDING STONE	Saturation coefficient	Documented In-house Method No TP 43:September 1997 based on 'Durability Tests for Building Stone' (BRE Report BR141:1989)	A
CAST STONE	Capillary absorption	BS 1217:1997	A
NATURAL STONE	Petrographic description	BS EN 12407:2000	A
	Flexural strength under concentrated load	BS EN 12372:1999	A
	Flexural strength under constant moment	BS EN 13161:2001	A
	Flexural strength	ASTM C 880-06	A
	Slip resistance by means of the pendulum tester.	BS EN 14231:2003	A
	Apparent density	BS EN 1936:1999	A
	Open porosity	BS EN 1936:1999	A
	Resistance to salt crystallisation	BS EN 12370:1999	A
SLABS, SETTS AND KERBS – natural stone	Dimensions	BS EN 1341:2001 BS EN 1342:2001 BS EN 1343:2001	A
	Petrographic examination	BS EN 12407:2000 ISRM Suggested Methods - Rock Characterization Testing and Monitoring. Ed. E T Brown - 1981	A
	Flexural strength	BS EN 1341:2001	A
	Compressive strength of setts	BS EN 1342:2001 BS EN 1926:1999	A
	Flexural strength under concentrated load	BS EN 12372:1999	A



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SLABS, SETTS AND KERBS – natural stone	Unpolished slip resistance value	BS EN 1341:2001 BS EN 1342:2001	A
	Water absorption at atmospheric pressure	BS EN 1341:2001 BS EN 1342:2001 BS EN 1343:2001 BS EN 13755:2002	A
STONE - subject to foot traffic	Abrasion resistance	ASTM C 241-05	A
THERMAL INSULATING PRODUCTS for building applications	Sampling of composite panels	Documented In-House Method No TP 84:October 2002	A, C2
END			