


# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

21 - 47 High Street, Feltham, Middlesex, TW13 4UN, UK

 <p><b>0745</b></p> <p>Accredited to ISO/IEC 17025:2005</p>	<h3>Amey Engineering Laboratory</h3> <p><b>Issue No: 028    Issue date: 20 October 2011</b></p>	
	<p><b>Amey Engineering Laboratory</b> Skirsgill Lane Penrith Cumbria CA10 2BL</p>	<p><b>Contact: Mrs L Scott</b> <b>Tel: +44 (0)1768 812 323</b> <b>Fax: +44 (0) 1768 242 390</b> <b>E-Mail: linda.scott@amey.co.uk</b> <b>Website: www.amey.co.uk</b></p>
<p><b>Testing performed by the Organisation at the locations specified below</b></p>		

### Locations covered by the organisation and their relevant activities

#### Laboratory locations:

Location details	Activity	Location code
<p><b>Address</b> Amey Engineering Laboratory Skirsgill Lane Penrith Cumbria CA10 2BL</p> <p><b>Local contact</b> Mr A Felc Tel: +44 (0)1768 812323 Fax: +44 (0)1768 242390</p>	<p>Aggregates, Bituminous Emulsions, Bituminous Mixtures, Concrete, &amp; Soils</p>	A

#### Site activities performed away from the locations listed above:

Location details	Activity	Location code
<p>All locations suitable for the activities listed</p> <p><b>Address</b> Amey Engineering Laboratory Skirsgill Lane Penrith Cumbria CA10 2BL</p> <p><b>Local contact</b> Mr A Felc Tel: +44 (0)1768 812323 Fax: +44 (0)1768 242390</p>	<p>Aggregates, Bituminous Emulsions, Bituminous Mixtures, Concrete, &amp; Soils</p>	B



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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	<u>Physical Tests</u>		
	Particle size distribution - washing and sieving	BS EN 933-1:1997	A
	Particle size distribution - dry sieving	BS EN 933-1:1997	A
	Determination of particle shape - flakiness index	BS EN 933-3:1997	A
	Water content - oven drying method	BS EN 1097 -5:2008	A
	Ten Percent Fines Value	BS 812-111:1990	A
	Resistance to degradation of small-size coarse aggregate by abrasion and impact in the Los Angeles Machine	BS EN 1097-2:2010	A
BITUMINOUS MIXTURES for roads and other paved areas	<u>Dimensional Tests</u>		
	Description of cores - examination	Documented In-house Method No CON-QMLAB-B3	A
	<u>Physical Tests</u>		
	Soluble binder content by difference, using bottle rotation machine and pressure filter	BS EN 12697-1:2005	A
	Particle size distribution	BS EN 12697-2:2002	A
	Maximum density - volumetric procedure	BS EN 12697-5:2009	A
	Bulk density - sealed specimen	BS EN 12697-6:2003	A
Determination of air voids	BS EN 12697-8:2003	A	



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BITUMINOUS MIXTURES for roads and other paved areas (cont'd)	<u>Physical Tests</u>		
	Percentage refusal density (PRD) - vibratory compaction	BS EN 12697-9:2002	A
CONCRETE - hardened	<u>Mechanical Tests</u>		
	Compressive strength of cubes - including curing (loads from 50 to 2000kN)	BS 1881-116:1983 BS 1881-111:1983	A
	Compressive strength of cubes - including curing (loads from 50 to 2000kN)	BS EN 12390-3:2009 BS EN 12390-2:2009	A
	<u>Physical Tests</u>		
	Density	BS 1881-114:1983	A
SOILS for civil engineering purposes	Density	BS EN 12390-7:2009	A
	<u>Mechanical Tests</u>		
	California Bearing Ratio (CBR) (loads from 0.3 to 20kN)	BS 1377-4:1990	A
	Moisture Condition value	BS 1377 part 4 1990	A
	Moisture Condition value	SDD Applications Guide No 1 1989	A
	<u>Physical Tests</u>		
	Moisture content - oven drying method	BS 1377-2:1990	A
	Liquid limit - cone penetrometer	BS 1377-2:1990	A
Plastic limit	BS 1377-2:1990	A	



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SOILS for civil engineering purposes (cont'd)	Plasticity index and liquidity index	BS 1377-2:1990	A
	Particle size distribution - wet sieving	BS 1377-2:1990	A
	Particle size distribution - dry sieving	BS 1377-2:1990	A
	Particle size distribution - sedimentation - pipette method	BS 1377-2:1990	A
	<u>Physical Tests</u>		
	Dry density/moisture content relationship (2.5 kg rammer)	BS 1377-4:1990	A
	Dry density/moisture content relationship (4.5 kg rammer)	BS 1377-4:1990	A
	Permeability in a triaxial cell	BS 1377 : Part 6 : 1990	A
	<b>SITE TESTS</b>		
AGGREGATES	<u>Sampling</u>		
	Sampling coarse, fine and all-in aggregates - from a lorry-load	BS 812-102:1989	B
	Sampling coarse, fine and all-in aggregates - from flattened stockpiles	BS EN 932-1:1997	B
BITUMINOUS MIXTURES for roads and other paved areas	<u>Sampling</u>		
	Sampling bituminous materials - around the augers of the paver - in heaps	BS EN 12697-27:2001	B
	Sampling bituminous materials - core cutting method	BS EN 12697-27:2001	B



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CONCRETE - fresh	<u>Physical Tests</u>		
	Slump	BS EN 12390-2 : 2009	B
	<u>Sampling</u>		
CONCRETE - hardened	Sampling fresh concrete on site	BS EN 12350-1 : 2009	B
	Making test cubes	BS EN 12390-2:2009	B
	<u>Physical Tests</u>		
	Visual survey of structures for delamination	Documented In-House Method No C19	B
	Resistivity survey	Documented In-House Method No C20 based on Highways Agency Specification No BA 35/90	B
	Depth of carbonation	Documented In-House Method No C23 based on B.R.E. Information Paper IP 6/83	B
	Location of reinforcement	Documented In-House Method No C24 based on BS 1881-204	B
	Half cell potential of uncoated reinforcing steel	Documented In-House Method No C25 based on ASTM C 876-91	B
HOT BINDER DISTRIBUTORS for road surface dressing	<u>Physical Tests</u>		
	Sampling by dust drilling	Documented In-House Method No C18 based on B.R.E. Information Paper IP 6/81	B
	Uniformity of transverse distribution of binder (depot tray test)	BS 1707:1989	B
	Rate of spread of binder	BS 1707:1989	B



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ROAD PAVEMENT SURFACES	<u>Physical Tests</u>		
	In-situ density - nuclear method	Documented In-House Method No C27	B
	Texture depth - by the sand-patch method	BS 598-105: 2000	B
SOILS for civil engineering purposes	Surface regularity using a rolling straight-edge	TRRL Supplementary Report 290:1977	B
	<u>Physical Tests</u>		
	In-situ Density- Sand Replacement Method (large Pouring Cylinder )	BS 1377-9:1990	B
	In-situ density - core cutter method	BS 1377-9:1990	B
	Dynamic cone penetrometer	Documented In-House Method No C28	B
	In-situ density - nuclear method	BS 1377-9:1990	B

END