

Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 Accredited to ISO/IEC 17025:2005	MATtest Limited	
	Issue No: 008 Issue date: 20 November 2010	
	Edinburgh Road Springhill Shotts ML7 5DT	Contact: Mr T McLelland Tel: +44 (0)1501 822244 Fax: +44 (0)1501 825044 E-Mail: info@mattest.org Website: www.mattest.org
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
Address Edinburgh Road Springhill Shotts ML7 5DT Contact: Mr T McLelland	Aggregates, Bituminous Mixtures, Concrete, Rock & Soils	A

Site activities performed away from the locations listed above:

Location details	Activity	Location code
Address All locations suitable for the activities listed Contact: Mr T McLelland	Concrete & Soils	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	Particle density and water absorption for aggregate between 40 mm and 5 mm	BS 812-2:1995	A
	Bulk density and calculation of voids and bulking of aggregate	BS 812-2:1995	A
	Particle size distribution - washing and sieving	BS 812-103.1:1985	A
	Particle size distribution - dry sieving	BS 812-103.1:1985	A
	Flakiness index	BS 812-105.1:1989	A
	Elongation index	BS 812-105.2:1990	A
	Moisture content - oven drying method	BS 812-109:1990	A
	Aggregate crushing value - particle size 10 mm and greater <i>(loads from 20 to 2000 kN)</i>	BS 812-110:1990	A
	Ten per cent fines value - dry - particle size 10 mm and greater <i>(loads from 20 to 2000 kN)</i>	BS 812-111:1990	A
	Ten per cent fines value - soaked - particle size 10 mm and greater <i>(loads from 20 to 2000 kN)</i>	BS 812-111:1990	A
	Aggregate impact value - dry	BS 812-112:1990	A
Aggregate impact value - soaked	BS 812-112:1990	A	



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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
AGGREGATES	Drying shrinkage	BS 812-120:1989	A
	Particle size distribution - sieving method	BS EN 933-1:1997	A
	Flakiness index	BS EN 933-3:1997	A
	Shape index	BS EN 933-4:2000	A
	Micro-Deval coefficient	BS EN 1097-1:1996	A
	Resistance to fragmentation by the Los Angeles test method	BS EN 1097-2:2010	A
	Loose bulk density and voids	BS EN 1097-3:1998	A
	Water content	BS EN 1097-5:1999	A
	Particle density and water absorption - pycnometer method for aggregate particles between 4 mm and 31,5 mm	BS EN 1097-6:2000	A
	Particle density and water absorption - pycnometer method for aggregate particles between 0,063 mm and 4 mm	BS EN 1097-6:2000	A
	Magnesium sulfate test (excluding simple petrographical description)	BS EN 1367-2:2008	A
	Drying shrinkage	BS EN 1367-4:1998	A
	Water-soluble chloride salts using the Volhard method (reference method)	BS EN 1744-1:1998	A
	Water-soluble sulfates	BS EN 1744-1:1998	A
Acid soluble sulfates	BS EN 1744-1:1998	A	



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BITUMINOUS MIXTURES for roads and other paved areas	Binder content and grading of mineral aggregate - extraction bottle method: binder determination by difference	BS 598-102:2003	A
	Percentage refusal density (PRD)	BS 598-104:2005	A
	Density of cores	BS 598-104:2005	A
	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 12697-5:2010	A
	Bulk density - dry - saturated surface dry (SSD) - sealed specimen	BS EN 12697-6:2003	A
	Conventional refusal density - vibratory compaction	BS EN 12697-9:2002	A
	Percentage refusal density (PRD) - vibratory compaction	BS EN 12697-9:2002	A
	Preparation of samples for determining binder content, water content and grading	BS EN 12697-28:2001	A
	Laboratory compaction of bituminous mixtures by vibratory compaction	BS EN 12697-32:2003	A
	Hot sand test for the adhesivity of binder on precoated chippings for HRA	BS EN 12697-37:2003	A
Maximum density	BS DD 228:1996	A	



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CONCRETE - hardened	Density	BS 1881-114:1983	A	
	Compressive strength of cubes - including curing (loads from 20 to 2000 kN)	BS 1881-116:1983 BS 1881-111:1983	A	
	Compressive strength of cores (loads from 20 to 2000 kN)	BS EN 12504-1:2009	A	
	Compressive strength of cubes - including curing (loads from 20 to 2000 kN)	BS EN 12390-3:2009 BS EN 12390-2:2009	A	
	Density	BS EN 12390-7:2009	A	
	ROCK	Uniaxial compressive strength (loads from 20 to 2000 kN)	ASTM D2938-95	A
		Uniaxial compressive strength (loads from 20 to 2000 kN)	ASTM D7012-07	A
		End preparation of rock specimens for compressive strength	ASTM D 4543-08	A
		Deformability in uniaxial compression	ASTM D3148-96	A
		Elastic modulus	ATM D7012-07	A
Point load strength and anisotropy indices (loads from 5 to 50 kN)		ISRM Commission on Testing Methods. Suggested Method for Determining Point Load Strength 1985	A	
Water content - method 1		ISRM Suggested Methods - Rock Characterization Testing and Monitoring. Ed. ET Brown - 1981	A	
Slake durability index		ISRM Suggested Methods - Rock Characterization Testing and Monitoring. Ed. ET Brown - 1981	A	
SOILS for civil engineering purposes	Moisture content - oven drying method	BS 1377-2:1990	A	
	Liquid limit - cone penetrometer	BS 1377-2:1990	A	



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SOILS for civil engineering purposes (cont'd)	Liquid limit - cone penetrometer - one point	BS 1377-2:1990	A
	Plastic limit	BS 1377-2:1990	A
	Plasticity index and liquidity index	BS 1377-2:1990	A
	Density - linear measurement	BS 1377-2:1990	A
	Particle density - gas jar	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 by the pipette method	BS 1377-2:1990	A
	Organic matter content	BS 1377-3:1990	A
	Mass loss on ignition	BS 1377-3:1990	A
	Sulphate content of soil and ground water - gravimetric method	BS 1377-3:1990	A
	Carbonate content - rapid titration method	BS 1377-3:1990	A
	Water-soluble chloride content	BS 1377-3:1990	A
	Acid-soluble chloride content	BS 1377-3:1990	A
	Total dissolved solids	BS 1377-3:1990	A
	pH value	BS 1377-3:1990	A
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	



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SOILS for civil engineering purposes (cont'd)	Dry density/moisture content relationship (vibrating hammer)	BS 1377-4:1990	A
	Moisture condition value (MCV)	BS 1377-4:1990	A
	MCV/moisture content relation	BS 1377-4:1990	A
	California Bearing Ratio (CBR) (loads from 0.3 to 30 kN)	BS 1377-4:1990	A
	One-dimensional consolidation properties	BS 1377-5:1990	A
	Shear strength by direct shear (small shearbox apparatus) (loads from 0.3 to 30 kN)	BS 1377-7:1990	A
	Undrained shear strength in triaxial compression without measurement of pore pressure (definitive method) (loads from 0.3 to 30 kN)	BS 1377-7:1990	A
	Undrained shear strength in triaxial compression with multistage loading and without measurement of pore pressure (loads from 0.3 to 30 kN)	BS 1377-7:1990	A
SITE TESTS			
CONCRETE - fresh	Sampling fresh concrete on site	BS 1881-101:1983	B
	Sampling from initial discharge (slump test)	BS 1881-102:1983	B
	Slump	BS 1881-102:1983	B
	Air content - method B	BS 1881-106:1983	B
	Making test cubes	BS 1881-108:1983	A, B



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CONCRETE - fresh (cont'd)	Sampling fresh concrete on site - composite sample - spot sample	BS EN 12350-1:2000	B
	Slump	BS EN 12350-2:2009	B
	Flow	BS EN 12350-5:2009	B
	Air content - pressure gauge method	BS EN 12350-7:2009	B
	Making cubic specimens for strength tests	BS EN 12390-2:2009	A, B
SOILS for civil engineering purposes	In-situ California Bearing Ratio (CBR) <i>(loads from 0.3 to 30 kN)</i>	BS 1377-9:1990	B
END			