


# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

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

 <b>2643</b>  Accredited to <b>ISO/IEC 17025:2017</b>	<b>MATtest Limited</b>	
	Issue No: 027    Issue date: 21 March 2024	
	10 Queenslie Point Queenslie Industrial Estate 120 Stepps Road Glasgow G33 3NQ	Contact: Mr T McLelland Tel: +44 (0) 141 774 4032 Fax: +44 (0) 141 774 3552 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
<b>Address</b> 10 Queenslie Point Queenslie Industrial Estate 120 Stepps Road Glasgow G33 3NQ  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
<b>Address</b> All locations suitable for the activities listed  Contact: Mr T McLelland	Concrete & Soils	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	Aggregate crushing value - particle size 10 mm and greater	BS 812-110:1990	A
	Ten per cent fines value - dry - particle size 10 mm and greater	BS 812-111:1990	A
	Ten per cent fines value - soaked - particle size 10 mm and greater	BS 812-111:1990	A
	Aggregate impact value - dry	BS 812-112:1990	A
	Aggregate impact value - soaked	BS 812-112:1990	A
	Frost heave	BS 812-124:2009	A
	Particle size distribution - sieving method	BS EN 933-1:2012	A
	Flakiness index	BS EN 933-3:2012	A
	Shape index	BS EN 933-4:2008	A
	Resistance to wear (Micro-Deval)	BS EN 1097-1:2011	A
	Resistance to fragmentation by the Los Angeles test method	BS EN 1097-2:2020	A
	Loose bulk density and voids	BS EN 1097-3:1998	A
	Water content	BS EN 1097-5:2008	A
Particle density and water absorption – pyknometer method for aggregate particles between 4 mm and 31,5 mm	BS EN 1097-6:2022	A	



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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
AGGREGATES (cont'd)	Particle density and water absorption – pycnometer method for aggregate particles between 0,063 mm and 4 mm	BS EN 1097-6:2022	A
	Aggregate abrasion value	BS EN 1097-8:2020	A
	Magnesium sulfate test (excluding simple petrographical description)	BS EN 1367-2:2009	A
	Drying shrinkage	BS EN 1367-4:2008	A
	Water-soluble chloride salts using the Volhard method (reference method)	BS EN 1744-1:2009	A
	Water-soluble sulfates	BS EN 1744-1:2009 +A1:2012	A
	Acid soluble sulfates	BS EN 1744-1:2009 +A1:2012	A
BITUMINOUS MIXTURES for roads and other paved areas	Soluble binder content by difference, using bottle rotation machine and pressure filter	BS EN 12697-1:2020	A
	Particle size distribution	BS EN 12697-2:2015+A1:2019	A
	Maximum density - volumetric procedure	BS EN 12697-5:2018	A
	Bulk density - dry - saturated surface dry (SSD) - sealed specimen	BS EN 12697-6:2020	A
	Determination of air void content	BS EN 12697-8:2018	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 12697-28:2020	A



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BITUMINOUS MIXTURES for roads and other paved areas (cont'd)	Laboratory compaction of bituminous mixtures by vibratory compaction	BS EN 12697-32:2019	A
	Hot sand test for the adhesivity of binder on precoated chippings for HRA	BS EN 12697-37:2022	A
CONCRETE – hardened	Compressive strength of cores	BS EN 12504-1:2019	A
	Compressive strength of cubes	BS EN 12390-3:2019	A
	Curing	BS EN 12390-2:2019	A
	Shape, dimensions	BS EN 12390-1:2021	A
ROCK	Density	BS EN 12390-7:2019+AC:2020	A
	Uniaxial compressive strength	ASTM D7012- 23	A
	End preparation of rock specimens for compressive strength	ASTM D 4543-19	A
	Elastic modulus	ASTM D7012- 23	A
	Point load strength and anisotropy indices	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



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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
SOILS for civil engineering purposes	Water content	BS 1377-2:2022	A
	Moisture content - oven drying method	BS 1377-2:1990	A
	Liquid limit - cone penetrometer - definitive method	BS 1377-2:2022 BS 1377-2:1990	A
	Liquid limit - cone penetrometer - one point method	BS 1377-2:2022 BS 1377-2:1990	A
	Plastic limit	BS 1377-2:2022 BS 1377-2:1990	A
	Plasticity index	BS 1377-2:2022 BS 1377-2:1990	A
	Density - linear measurement	BS 1377-2:2022 BS 1377-2:1990	A
	Particle density - gas jar method	BS 1377-2:2022 BS 1377-2:1990	A
	Particle size distribution - wet sieving - dry sieving	BS 1377-2:2022 BS 1377-2:1990	A
	Particle size distribution - sedimentation by the pipette method	BS 1377-2:2022 BS 1377-2:1990	A
	Organic matter content	BS 1377-3:2018+A1:2021	A
	Mass loss on ignition	BS 1377-3:2018+A1:2021	A
	Determination of water-soluble sulfate in soil: gravimetric method - acid extract - water extract	BS 1377-3:2018+A1:2021	A
	Carbonate content - rapid titration method	BS 1377-3:2018+A1:2021	A
	Water-soluble chloride content	BS 1377-3:2018+A1:2021	A
Acid-soluble chloride content	BS 1377-3:2018+A1:2021	A	



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SOILS for civil engineering purposes (cont'd)	Total dissolved solids	BS 1377-3:2018+A1:2021	A
	pH value	BS 1377-3:2018+A1:2021	A
	Dry density/moisture (water) content relationship - 2.5 kg rammer - 4.5 kg rammer - vibrating hammer	BS 1377-2:2022 BS 1377-4:1990	A
	Moisture condition value (MCV)	BS 1377-2:2022 BS 1377-4:1990 TRL Report 273:1997	A
	MCV/moisture (water) content relation	BS 1377-2:2022 BS 1377-4:1990	A
	California Bearing Ratio (CBR)	BS 1377-2:2022 BS 1377-4:1990	A
	One-dimensional consolidation properties	BS 1377-2:2022 BS 1377-5:1990	A
	Shear strength by direct shear (small shearbox apparatus)	BS 1377-2:2022 BS 1377-7:1990	A
	Shear strength by direct shear (large shearbox apparatus)	BS 1377-2:2022 BS 1377-7:1990	A
	Undrained shear strength in triaxial compression without measurement of pore pressure (definitive method)	BS 1377-2:2022 BS 1377-7:1990	A
Undrained shear strength in triaxial compression with multistage loading and without measurement of pore pressure	BS 1377-7:1990	A	
Determination of effective angle of internal friction and effective cohesion of earthworks materials (using 300mm shearbox)	MCHW SHW HMSO Feb 2016, clause 636	A	



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SOILS for civil engineering purposes (cont'd)	Determination of coefficient of friction and adhesion between fill and reinforcing elements for reinforced soil and anchored earth structures	MCHW SHW HMSO Feb 2016, clause 639	A
GEOTECHNICAL INVESTIGATION and TESTING - Laboratory testing of soil	Water content	BS EN ISO 17892-1:2014+A1:2022	A
	Determination of bulk density - linear measurement	BS EN ISO 17892-2:2014	A
	Determination of particle density - fluid pycnometer method	BS EN ISO 17892-3:2015	A
	Determination of particle size distribution -sieving method	BS EN ISO 17892-4:2016	A
	Determination of particle size distribution - pipette method	BS EN ISO 17892-4:2016	A
	Incremental loading oedometer test	BS EN ISO 17892-5:2017	A
	Unconsolidated undrained triaxial test	BS EN ISO 17892-8:2018	A
	Direct shear tests – small shearbox – large shearbox	BS EN ISO 17892-10:2018	A
	Determination of liquid limit by the fall cone method	BS EN ISO 17892-12:2018 + A2:2022	A
	Determination of liquid limit by the fall cone method - one point method	BS EN ISO 17892-12:2018 + A2:2022	A
Determination of plastic limit	BS EN ISO 17892-12:2018 + A2:2022	A	
Determination of plasticity index	BS EN ISO 17892-12:2018 + A2:2022	A	



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UNBOUND & HYDRAULICALLY BOUND MIXTURES	Laboratory reference density and water content - vibrating hammer	BS EN 13286-4:2021	A
<b>SITE TESTS</b>			
CONCRETE - fresh	Sampling fresh concrete on site - composite sample - spot sample	BS EN 12350-1:2019	X
	Slump	BS EN 12350-2:2019	X
	Flow	BS EN 12350-5:2019	X
	Air content - pressure gauge method	BS EN 12350-7:2019	X
	Making cubic specimens for strength tests	BS EN 12390-2:2019	A, X
SOILS for civil engineering purposes	In-situ California Bearing Ratio (CBR)	BS 1377-9:1990	X
<b>END</b>			