Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

2643

Accredited to ISO/IEC 17025:2017

MATtest Limited

Issue No: 029 **Issue date:** 16 January 2025

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
Address 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
Address All locations suitable for the activities listed	**Contact:** Mr T McLelland	Concrete & Soils	X

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 1097-1:2023	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

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 – pyknometer 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+A1:2012	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
	Preparation of samples for determining binder content, water content and grading	BS EN 12697-28:2020	A
	Laboratory compaction of bituminous mixtures by vibratory compaction	BS EN 12697-32:2019	A

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
BITUMINOUS MIXTURES for roads and other paved areas (cont'd)	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
	Density	BS EN 12390-7:2019+AC:2020	A
ROCK	Uniaxial compressive strength	ASTM D7012-23	A
	Elastic modulus	ASTM D7012-23	A
	End preparation of rock specimens for compressive strength	ASTM D4543-19	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
SOILS for civil engineering purposes	Water content	BS 1377-2:2022	A
	Liquid limit - cone penetrometer - definitive method	BS 1377-2:2022	A
	Liquid limit - cone penetrometer - one point method	BS 1377-2:2022	A
	Plastic limit	BS 1377-2:2022	A

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
SOILS for civil engineering purposes (cont'd)	Plasticity index	BS 1377-2:2022	A
	Density – linear measurement	BS 1377-2:2022	A
	Particle density - gas jar method	BS 1377-2:2022	A
	Particle size distribution - sieving method	BS 1377-2:2022	A
	Particle size distribution - sedimentation by the pipette method	BS 1377-2:2022	A
	Mass loss on ignition	BS 1377-3:2018+A1:2021	A
	Total dissolved solids	BS 1377-3:2018+A1:2021	A
	pH value	BS 1377-3:2018+A1:2021	A
	Dry density / water content relationship - 2.5 kg rammer - 4.5 kg rammer - vibrating hammer	BS 1377-2:2022	A
	Moisture condition value (MCV)	BS 1377-2:2022 TRL Report 273:1997	A
	MCV / water content relation of a soil	BS 1377-2:2022	A
	California Bearing Ratio (CBR)	BS 1377-2:2022	A
	One-dimensional consolidation properties	BS 1377-2:2022	A
	Shear strength by direct shear (small shearbox apparatus)	BS 1377-2:2022	A
	Shear strength by direct shear (large shearbox apparatus)	BS 1377-2:2022	A
	Undrained shear strength in triaxial compression without measurement of pore pressure (definitive method)	BS 1377-2:2022	A

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
SOILS for civil engineering purposes (cont'd)	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
	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 test - small shearbox apparatus	BS EN ISO 17892-10:2018	A
	Direct shear test - large shearbox apparatus	BS EN ISO 17892-10:2018	A

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
GEOTECHNICAL INVESTIGATION and TESTING - Laboratory testing of soil (cont'd)	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
UNBOUND & HYDRAULICALLY BOUND MIXTURES	Laboratory reference density and water content - vibrating hammer	BS EN 13286-4:2021	A
SITE TESTS			
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
END			