Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

9447

Accredited to ISO/IEC 17025:2017

Wills Bros. Civil Engineering Limited trading as Total Construction Materials Testing Services

Issue No: 020 **Issue date:** 17 August 2026

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Website: www.totalcmts.com

Testing performed by the Organisation at the locations specified below

Locations covered by the organisation and their relevant activities

Wills Bros. Civil Engineering Limited trading as Total Construction Materials Testing Services is accredited to establish temporary site laboratories to conduct the activities detailed below marked 'Temp', in accordance with their documented in-house procedure: DTP No. SC5.

Laboratory locations:

Location details		Activity	Location code
Address Material Testing Laboratory Unit 28 – Block 6 Chapelhall Industrial Estate Airdrie ML6 8QH	Contact: Mr E. McDermott Tel: +44 (0)7867 341 257 Email: eddiemcdermott@totalcmts.com	Aggregates, bituminous mixtures, concrete, road pavement surfaces & soils	A
Address Osberstown Business Park R407 Jigginstown Naas Co. Kildare Ireland	Contact: Mr E. McDermott Tel: +44 (0)7867 341 257 Email: eddiemcdermott@totalcmts.com	Aggregates, bituminous mixtures, concrete, road pavement surfaces & soils	B
Address Site Laboratory c/o Wills Bros Limited N5 Site Compound Kilvoy Ballinagare Castlerea County Roscommon F45 E7F2 Ireland	Contact: Mr E. McDermott Tel: +44 (0)7867 341 257 Email: eddiemcdermott@totalcmts.com	Aggregates, bituminous mixtures, concrete, road pavement surfaces & soils, site sampling and testing (Temporary Facility)	C

Laboratory locations (cont'd):

Location details		Activity	Location code
Address Site Laboratory c/o Wills Bros Civil Engineering Ltd, A9 Dualling Site Compound, Kindallachan, A9, Pitlochry PH9 0NW	Contact: Mr E. McDermott Tel: +44 (0)7867 341 257 Email: eddiemcdermott@totalcmts.com	Aggregates, concrete, road pavement surfaces & soils, site sampling and testing (Temporary Facility)	E

Site activities performed away from the location A and B listed above:

Location details		Activity	Location code
Address All locations suitable for the activities listed	Contact: Mr E. McDermott Tel: +44 (0)7867 341 257 Email: eddiemcdermott@totalcmts.com	Aggregates, bituminous Mixtures, concrete, road pavement surfaces & soil site sampling and testing	X

DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
AGGREGATES	Particle size distribution - sieving method	BS EN 933-1:2012	A B C E, Temp
	Flakiness	BS EN 933-3:2012	A B C Temp
	Water content	BS EN 1097-5:2008	A B C E, Temp
	Resistance to fragmentation by the Los Angeles test method	BS EN 1097-2:2020	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 - saturated surface dry (SSD)	BS EN 12697-6:2020	A
	Determination of air void content	BS EN 12697-8:2018	A
CONCRETE - hardened	Shape, dimensions	BS EN 12390-1:2021	A B E Temp
	Curing	BS EN 12390-2:2019	A B C E, Temp
	Compressive strength of cubes	BS EN 12390-3:2019	A B E Temp
	Density	BS EN 12390-7:2019 including corrigendum November 2020	A B E Temp

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	Water content	BS EN ISO 17892-1:2014+A1:2022	A B C E, Temp
	Determination of particle size distribution – sieving method	BS EN ISO 17892-4:2016	A B C E Temp
	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
	Determination of liquid limit - fall cone method	BS EN ISO 17892-12:2018+A2:2022	A
SOILS for civil engineering purposes	Water content - oven drying method	BS 1377-2:2022 BS 1377-2:1990	A B C Temp
	Liquid limit - cone penetrometer - one point	BS 1377-2:2022 BS 1377-2:1990	A B C Temp
	Plastic limit	BS 1377-2:2022 BS 1377-2:1990	A B C Temp
	Plasticity index	BS 1377-2:2022 BS 1377-2:1990	A B C Temp
	Particle size distribution - wet sieving - dry sieving	BS 1377-2:2022 BS 1377-2:1990	A B C Temp
	Moisture condition value (MCV)	BS 1377-2:2022 BS 1377-4:2022	A B C E X Temp
	Dry density/moisture content relationship - (2.5 kg rammer) - (4.5 kg rammer) - (vibrating hammer)	BS 1377-2:2022 BS 1377-4:1990	A B C E Temp

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
UNBOUND & HYDRAULICALLY BOUND MIXTURES	Laboratory reference density and water content - vibrating hammer	BS EN 13286-4:2021	A
	Compressive strength - cubic test specimens	BS EN 13286-41:2021	A
	Manufacture of cubic test specimens - vibrating hammer compaction	BS EN 13286-51:2004	A
SITE TESTS			
AGGREGATES	Sampling coarse, fine and all-in aggregates - from flattened stockpiles	BS EN 932-1:1997	C E X (A, B) Temp
	Sample reduction	BS EN 932-2:1999	A B C E X (A, B & E) Temp
BITUMINOUS MIXTURES for roads and other paved areas	Sampling - from the material around the augers of the paver - from heaps	BS EN 12697-27:2017	C X (A & B)Temp
	Preparation of samples for determining binder content, water content and grading	BS EN 12697-28:2020	C X (A & B) Temp
BITUMINOUS ROAD SURFACING	In-situ density - nuclear method	Documented In-House Method No. SC8: Nov 2020	C X (A & B)
CONCRETE - fresh	Sampling fresh concrete on site - Spot & composite sample	BS EN 12350-1:2019	C E X (A, B) Temp

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
CONCRETE – fresh (cont'd)	Slump	BS EN 12350-2:2019	C E X (A, B) Temp
	Air content–pressure method	BS EN 12350-7:2019	C E X (A, B) Temp
	Making cubic specimens for strength tests	BS EN 12390-2:2019	A B C E X Temp
ROAD PAVEMENT SURFACES	Macrotexture depth using a volumetric patch technique	BS EN 13036-1:2010	C E X (A & B)
	Surface regularity using a rolling straight-edge	TRRL Supplementary Report 290:1977	C E X (A & B)
SOILS for civil engineering purposes	In-situ density - sand replacement method (large pouring cylinder)	BS 1377-9:1990	C E X (A & B)Temp
	In-situ bulk density - nuclear method - compliance tests	BS 1377-9:1990	C X (A & B) Temp
	Vertical deformation and strength characteristics by the plate loading tests	BS 1377-9:1990	C E X (A & B) Temp
	Calculation of nominal CBR value using the plate load test	Design manual for Roads and Bridges, (IAN) 73/06 Rev 1: 2009	A B C E X (A & B) Temp
END			