

Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 1065 Accredited to ISO/IEC 17025:2017	Balfour Beatty Civil Engineering Ltd. Issue No: 015 Issue date: 05 September 2019	
	UKCS Scotland & Ireland Maxim 7 Parklands Avenue Eurocentral ML1 4WQ	Contact: Mr L Barrie Tel: +44 (0) 797 713 0966 E-Mail: lindsay.barrie@balfourbeatty.com Website: www.balfourbeatty.com

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
Balfour Beatty Site Office Loak South of Bankfoot Perth PH1 4EA	Contact: Mr J. Jones Tel: +44 (0) 770 446 0513 Email: Jason.jones2@balfourbeatty.com	Laboratory Testing, Management and Administrative support.
		A

Site activities performed away from the location listed above:

Location details	Activity	Location code
All suitable locations for activities listed	Contact: Mr J. Jones Tel: +44 (0) 770 446 0513 Email: Jason.jones2@balfourbeatty.com	Construction materials: sampling and site testing.
		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	Sampling coarse, fine and all-in aggregates - from flattened stockpiles	BS EN 932-1:1997	X
	Reduction of laboratory samples	BS EN 932-2:1999	A
	Particle size distribution - sieving method	BS EN 933-1:2012	A
	Flakiness index	BS EN 933-3:2012	A
	Loose bulk density and voids	BS EN 1097-3:1998	A
	Water content	BS EN 1097-5:2008	A
BITUMINOUS MIXTURES for roads and other paved areas	Maximum density - volumetric procedure	BS EN 12697-5:2009 incorporating corrigendum February 2012	A
	Maximum density Procedure A: Volumetric procedure using water	BS EN 12697-5:2018	A
	Bulk density - dry - saturated surface dry (SSD) - sealed specimen - by dimensions	BS EN 12697-6:2012	A
	Air voids content	BS EN 12697-8:2003	A
	Air voids content	BS EN 12697-8:2018	A
	Temperature - of laid materials - in a heap	BS EN 12697-13:2000	X
	Sampling from the material - around the augers of the paver - from workable material in heaps	BS EN 12697-27:2001	X



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BITUMINOUS MIXTURES for roads and other paved areas (cont'd)	Preparation of samples for determining binder content, water content and grading	BS EN12697-28:2001	A
	Laboratory compaction of bituminous mixtures by vibratory compactor	BS EN 12697-32:2003	A
	Laboratory compaction of bituminous mixtures by vibratory compactor	BS EN 12697-32:2019	A
BITUMINOUS ROAD SURFACING	In-situ density - dielectric method	Documented In-House Method No SP10/11	X
CONCRETE - Fresh	Sampling fresh concrete on site - spot - composite	BS EN 12350-1:2009	X
	Slump	BS EN 12350-2:2009	X
	Air content – pressure method	BS EN 12350-7:2009	X
	Making cubic specimens for strength tests	BS EN 12390-2:2009	A
CONCRETE - Hardened	Shape, Dimensions	BS EN 12390-1:2012	A
	Curing	BS EN 12390-2:2009	A
	Compressive strength of cubes	BS EN 12390-3:2009	A
	Density	BS EN 12390-7:2009	A
ROAD PAVEMENT SURFACES	Pavement surface macrotexture depth using a volumetric patch technique	BS EN 13036-1:2010	X
	Surface regularity using a rolling straight-edge	Specification for Highway Works, February 2016 Clause 702	X



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ROAD PAVEMENT SURFACES (cont'd)	Irregularities on surfaces of roads, footways and other paved areas using a type 1 transverse straightedge	BS 8420:2003	X
SOILS for civil engineering purposes	Moisture content - oven drying method	BS 1377-2:1990	A
	Liquid limit - cone penetrometer - one point	BS 1377-2:1990	A
	Plastic limit	BS 1377-2:1990	A
	Plasticity index	BS 1377-2:1990	A
	Particle size distribution - wet sieving - dry sieving	BS 1377-2:1990	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
	Dry density/moisture content relationship (vibrating hammer)	BS 1377-4:1990	A
	Moisture condition value	BS 1377-4:1990	A, X
	Moisture condition value	SDD Tech Memo SH7/83; SDD Appls Guide No. 1 (Rev 1989)	A, X
	In-situ density - sand replacement method (large pouring cylinder)	BS 1377-9:1990	X
	In-situ bulk density - nuclear method - compliance tests	BS 1377-9:1990	X
	Vertical deformation and strength characteristics by the plate loading test	BS 1377-9:1990	X



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SOILS for civil engineering purposes (cont'd)	Calculation of equivalent CBR value using the plate loading test	Design Manual for Roads and Bridges, Volume 7, IAN 73/06 Rev 1 (2009)	X
	Dynamic Cone Penetrometer	Documented In-house Method SP 10/09 including calculation of equivalent CBR using the 'TRL calculation' from Design Manual for Roads and Bridges, Volume 7, IAN 73/06 Rev 1 (2009), Draft SHW 893	X
	Sampling of soils	Documented In-house Method SP 10/01	X
Hydraulically bound and stabilized materials for civil engineering purposes	In-situ bulk density - nuclear gauge method	BS 1924-2:2018	X
Unbound and hydraulically bound mixtures	Laboratory reference density and water content - Vibrating hammer	BS EN 13286-4:2003	A
	Compressive strength of hydraulically bound mixtures	BS EN 13286-41:2003	A
	Manufacture of test specimens of hydraulically bound mixtures using vibrating hammer compaction	BS EN 13286-51:2004	A, X
END			