


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 <p>1324</p> <p>Accredited to ISO/IEC 17025:2017</p>	<h3>Balfour Beatty Major Projects</h3> <p>Issue No: 090 Issue date: 30 November 2021</p>	
	<p>5 Churchill Place Canary Wharf London E14 5HU</p>	<p>Contact: Mr G P Booker Tel: +44 (0)20 38102416 Fax: +44 (0)20 7216 6950 E-Mail: Graham.Booker@balfourbeatty.com Website: www.balfourbeatty.com</p>
<p>Testing performed by the Organisation at the locations specified below</p>		

Balfour Beatty Major Projects has demonstrated its competence to establish site laboratories to conduct the testing activities covered by the scope of their accreditation to a flexible scope in accordance with their procedure ENG-PR-0212-LAB

Current locations covered by the scope of accreditation: NCL = No Current Location

Location details	Activity	Location code
<p>Balfour Beatty Site Laboratory Hinkley Point C Marine Works Nuclear New Build Royal Edward Dock Avonmouth Bristol BS11 9BW</p> <p>Local contact: Mr M Ciez Tel: +44(0) 7811 205405 Email : Miroslaw.ciez@balfourbeatty.com</p>	<p>Sampling and testing of aggregates, grout, fresh and hardened concrete. Sampling and testing of cement.</p>	L
<p>Balfour Beatty Vinci M4 Jct 3-12 SMART Motorway M4 Construction Compound Bill Hill Wokingham Berkshire RG10 0RS</p> <p>Local contact Mr B Elkins Tel: +44(0) 7841 568017 Email : ben.elkins@balfourbeatty.com</p>	<p>Sampling and testing of aggregates, bituminous mixtures, grout, fresh and hardened concrete, road pavement surfaces and soils for civil engineering purposes</p>	O
<p>Balfour Beatty Vinci HS2 Coleshill Laboratory M6 Junction 4 Compound Coleshill Heath Road Off A446 Stonebridge Road Coleshill B46 3JB</p> <p>Local contact Mr M King Tel: +44(0) 7736 955837 Email: mike.king@balfourbeattyvinci.com</p>	<p>Sampling and testing of aggregates, grout, fresh and hardened concrete and soils for civil engineering purposes</p>	P
<p>Balfour Beatty Site Laboratory Hinkley Point C Marine Works Contract Wick Moor Drive Bridgewater TA5 1UD</p> <p>Local contact: Mr A Torrance Tel: +44(0) 7811 205405 Email : Andy.torrance@balfourbeatty.com</p>	<p>Sampling and testing of aggregates, grout, fresh and hardened concrete. Sampling of cement.</p>	R



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<p>Balfour Beatty Jones Bros Caernarfon & Bontnewydd Bypass Seiont Quarry Seiont Mill Road Caernarfon LL55 2YL</p>	<p>Local contact: Mr M Bartlett Tel: +44(0) 7849 093018 Email : Mathew.bartlett@balfourbeatty.com</p>	<p>Sampling and testing of aggregates, bituminous mixtures, grout, fresh and hardened concrete, road pavement surfaces and soils for civil engineering purposes</p>	<p>T</p>
<p>Balfour Beatty Forder Valley Poole Farm Office Plymouth PL6 8NF</p>	<p>Local contact: Mr J Boyce Tel: +44(0) 7927 567412 Email : joseph.boyce@balfourbeatty.com</p>	<p>Sampling and testing of aggregates, bituminous mixtures, grout, fresh and hardened concrete. Sampling of cement.</p>	<p>U</p>
<p>Balfour Beatty East Leeds Orbital Route Phase 3 Site Offices Off A6120 Ring Road Leeds LS17 8NJ</p>	<p>Local contact: Mr K Hill Tel: +44(0) 7870 504233 Email : kevin.hill2@balfourbeatty.com</p>	<p>Sampling and testing of aggregates, bituminous mixture, grout, fresh and hardened concrete. Sampling of cement.</p>	<p>V</p>
<p>Balfour Beatty Vinci HS2 Long Itchington Laboratory North Portal Gate N115 Welsh Road Bascote Southam CV47 2GS</p>	<p>Local contact: Mr M King Tel: +44(0) 7736 955837 Email: mike.king@balfourbeattyvinci.com</p>	<p>Sampling and testing of aggregates, grout, fresh and hardened concrete and soils for civil engineering purposes</p>	<p>W</p>
<p>Balfour Beatty Vinci HS2 Cappers Lane Laboratory BBV Site Compound Cappers Lane Lichfield WS14 9JP</p>	<p>Local contact Mr M King Tel: +44(0) 7736 955837 Email: mike.king@balfourbeattyvinci.com</p>	<p>Sampling and testing of aggregates, grout, fresh and hardened concrete, road pavement surfaces and soils for civil engineering purposes</p>	<p>X</p>
<p>Balfour Beatty Site Compound New Barn Road Southfleet Gravesend DA13 9LH</p>	<p>Local contact Mr J Craven Tel: +44(0) 7752 797397 Email: James.craven@balfourbeatty.com</p>	<p>Sampling and testing of aggregates, grout, fresh and hardened concrete and soils for civil engineering purposes</p>	<p>Y</p>
<p>A63 Project Office, Wellington Street West, Hull, HU1 2DG</p>	<p>Local contact Mr B Walton Tel: +44(0) 7834 544582 Email: billy.walton@balfourbeatty.com</p>	<p>Sampling and testing of aggregates, grout, fresh and hardened concrete and soils</p>	<p>Z</p>



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Site activities performed away from the locations listed above:

Location details	Activity	Location code
All sites suitable for the activities listed	Sampling of aggregates, bituminous mixtures, fresh concrete, earthworks materials and cement. On-site testing of concrete, bituminous mixtures, paved surfaces, bituminous road surfacing, road pavement surfaces and soils for civil engineering purposes.	S



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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 from conical stockpiles	BS EN 932-1:1997:Annex C	L, O, P, R S, T, U, V, W, X, Y, Z
	Sample reduction :- - using a riffle box - by quartering - to a test portion of specified mass	BS EN 932-2:1999:Clause 8, 10 & 11	L, O, P, R, S, T, U, V, W, X, Y, Z
	Particle size distribution	BS EN 933-1:2012	L, O, P, T, U, V, W, X, Y, Z
	Flakiness index	BS EN 933-3:2012	L, O, P, X
	Shell content	BS EN 933-7:1998	NCL
	Assessment of fines - methylene blue test	BS EN 933-9:2009	L
	Classification for the constituents of coarse recycled aggregate	BS EN 933-11:2009	O, X, Y, Z
	Resistance to wear (micro -Deval)	BS EN 1097-1:2011	X
	Resistance to fragmentation (Los Angeles Abrasion)	BS EN 1097-2:2010	X
	Loose bulk density and voids	BS EN 1097-3:1998	L, O, P, T, U, V, W, X, Y, Z
	Water content by drying in a ventilated oven	BS EN 1097-5:2008	L, O, P, T, U, V, W, X, Y, Z
	Particle density and water absorption	BS EN 1097-6:2013	L, O, T, U, V, X
Fineness Modulus – Calculation only	BS EN 12620: 2002 Annex B	L	



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BITUMINOUS MIXTURES for roads and other paved areas	Sampling - around the augers of a paver - heaps of workable material - in laid and compacted material by coring method	BS EN 12697-27:2017	O, S, T, U, V P, X, W (coring)
	Particle size distribution	BS EN 12697-2:2002	NCL
	Maximum density - volumetric procedure	BS EN 12697-5:2009	T
	Bulk density - saturated surface dry - Procedure B	BS EN 12697-6:2012	U, V, T
	Air voids content	BS EN 12697-8:2003	U, V, T
	Percentage refusal density (PRD) by vibratory compaction	BS EN 12697-9:2002	U, V, T
	Temperature measurement - Measurement material temperature after it has been laid and before or during rolling - Measurements of temperature in a heap	BS EN 12697-13:2017 Contact thermometer	S, T
	Temperature measurement - Measurements of temperature in a heap - Measurements of temperature in a paver hopper	BS EN 12697-13:2017 Infrared-thermometer	S, T
	Preparation of samples	BS EN 12697-28:2001	O, S, T, U, V
	Binder content by ignition	BS EN 12697-39:2004	NCL
Laboratory compaction of bituminous mixtures by vibratory compaction	BS EN 12697-32:2003	T	
GROUT	Flow	ASTM C939-02	O, P, S, T, X, Y, Z



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CONCRETE - fresh	Sampling fresh concrete on site	BS EN 12350-1:2009 BS EN 12350-1:2019	L, O, P, R, S, T, U, V, W, X, Y, Z
	Slump	BS EN 12350-2:2009 BS EN 12350-2:2019	L, O, P, R, S, T, U, V, W, X, Y, Z
	Vebe	BS EN 12350-3:2009	S
	Degree of compactability	BS EN 12350-4:2009	S
	Flow	BS EN 12350-5:2009 BS EN 12350-5:2019	L, O, P, R, S, T, U, V, W, X, Z
	Density	BS EN 12350-6:2009 BS EN 12350-6:2019	L, P, R, S, Z
	Air content - pressure gauge method	BS EN 12350-7:2009 BS EN 12350-7:2019	L, O, P, S, W, X, Y
	Slump-flow test of self-compacting concrete	BS EN 12350-8:2010	L, P, R, S, Z
	Making and curing specimens for strength tests	BS EN 12390-2:2009 BS EN 12390-2:2019	L, O, P, R, S, T, U, V, W, X, Y, Z
	Determination of bleeding (admixtures for concrete)	BS EN 480-4:2005	NCL
Fibre content of fibre re-inforced concrete	BS EN 14488-7:2006 Method B	L, R	
CONCRETE - hardened	Compressive strength of cubes including curing	BS EN 12390-1:2012	L, O, P, R, T, U, V, W, X, Y, Z
		BS EN 12390-2:2009 BS EN 12390-2:2019	L, O, P, R, T, U, V, W, X, Y, Z
		BS EN 12390-3:2009 BS EN 12390-3:2019	L, O, P, R, T, U, V, W, X, Y, Z



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CONCRETE – hardened (cont'd)	Flexural strength	BS EN 12390-5:2009	NCL
	Tensile splitting strength	BS EN 12390-6:2009	L
	Density	BS EN 12390-7:2009 BS EN 12390-7:2019	L, O, P, R, T U, V, W, X, Y, Z
	Cored specimens - taking, examining and testing in compression	BS EN 12504-1:2009 BS EN 12504-1:2019	P, R, S, W, X
	Concrete rebound number	BS EN 12504-2:2001	S
	Length change of concrete prisms	ASTM C341-06	NCL
	Fibre content of fibre re-inforced concrete	BS EN 14488-7:2006 Method A	L, R
CONCRETE – reinforced	Location of reinforcement	BS 1881:Part 204:1998	S, U
	Concrete condition survey	Documented In-house Method ENG-PR-0224-LAB	S
ROAD PAVEMENT SURFACES	Surface regularity using a rolling straight-edge	Specification for Highway Works, TSO May 2008, Clause 702 and TPS 25	S, T, U
	Texture depth by the sand patch method	BS 598:Part 105:2000	S
	Macrotexture depth using a volumetric patch technique	BS EN 13036-1:2010	O, S, T, U
	Description of cores from highway investigations	Documented In-House Method ENG-PR-0223-LAB based on the DMRB HD 29/08	X
BITUMINOUS ROAD SURFACING	Determination of in-situ density using a pavement Quality Indicator	In-house test procedure ENG-PR-0225-LAB based on Annex I of BS EN 594987: 2015 clause 9.4.2	S, U



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PAVED SURFACES	Slip resistance of a surface – the pendulum test	BS 7976:Part 2:2002+A1:2013	NCL, S
SOILS and STABILISED SOILS for civil engineering purposes,	Moisture content - oven drying method	BS 1377:Part 2:1990	O, P, T, U, V, W
UNBOUND and HYDRAULICALLY BOUND MIXTURES	Saturation moisture content of chalk	BS 1377:Part 2:1990	NCL
	Plastic limit	BS 1377:Part 2:1990	O, T, U, V, X, Y, Z
	Liquid limit - cone penetrometer - cone penetrometer (one point)	BS 1377:Part 2:1990	T, U, V, X
	Plasticity index and liquidity index	BS 1377:Part 2:1990	T, U, V, X
	Particle size distribution - wet and dry sieving	BS 1377:Part 2:1990	O, P, T, U, V, W, X, Y, Z
	Particle density - gas jar method	BS 1377:Part 2:1990	T, U, V, X, Y, Z
	Dry density/moisture content relationship (2.5 kg rammer)	BS 1377:Part 4:1990	O, T, U, V, X, Y, Z
	Dry density/moisture content relationship (4.5 kg rammer)	BS 1377:Part 4:1990	O, T, U, V, X, Y, Z
	Dry density/moisture content relationship (vibrating hammer)	BS 1377:Part 4:1990	O, T, U, V, X, Y, Z
	Moisture condition value	BS 1377:Part 4:1990	O, P, T, U, V, W, X, Y, Z
	California Bearing Ratio (CBR) Including soaking	BS 1377:Part 4:1990	X
	In-situ density - sand replacement method (large & small cylinder)	BS 1377:Part 9:1990	S



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SOILS and STABILISED SOILS for civil engineering purposes, HYDRAULICALLY BOUND MIXTURES (cont'd)	In-situ density - core cutter method	BS 1377:Part 9:1990	S, U, Y
	In-situ density - nuclear compliance testing	BS 1377:Part 9:1990	O, P, S, T, U, V, W, X, Y
	Vertical deformation and strength characteristics by the plate loading test	BS 1377:Part 9:1990	O, P, S, T, U, V, W, X, Y, Z
	Calculation of equivalent CBR values using the plate loading test	Design Manual for Roads and Bridges V7:Pavement Design and Maintenance – Foundations	O, P, S, T, U, V, W, X, Y, Z
	Moisture content - oven drying method	BS 1924:Part 2:1990	P, X
	In-situ density - nuclear gauge method	BS 1924:Part 2:1990	P, S, T, W, X
	Initial consumption of lime	BS 1924:Part 2:2018	X
	Reference density and water content - Proctor compaction	BS EN 13286-2:2010	T, U, X
	Laboratory reference density and water content - vibrating hammer method	BS EN 13286-4:2003	O, T, U, X
	Moisture condition value	BS EN 13286-46: 2003	P, W, X
	California bearing ratio, immediate bearing index and linear swelling	BS EN 13286-47: 2012	X
	Degree of pulverization	BS EN 13286-48:2005	X
	Manufacture of test specimens using vibrating hammer	BS EN 13286-51:2004	P, S, T, X
Compressive strength of cubic specimens	BS EN 13286-41:2003	P, T, X	



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SOILS and STABILISED SOILS for civil engineering purposes, HYDRAULICALLY BOUND MIXTURES (cont'd)	Uniformity coefficient	SHW: Series 600:Table 6-1:Footnote 5	O, P, T, U, V, W, X, Y, Z
	Hand shear vane	Guideline for handheld shear vane test: New Zealand Geotechnical Society Inc August 2001	O, P, S, T, U, V, W, X, Y, Z
	Dynamic Cone Penetrometer	Documented In-house Method ENG-PR-0217-LAB	O, P, S, U, X, Y, Z
	Sampling earthworks materials	Documented In-house Method ENG-PR-0213-LAB	O, P, S, T, U, V, W, X, Y, Z
GEOTECHNICAL INVESTIGATION and TESTING	Water content	BS EN ISO 17892-1:2014	O, P, T, U, V, W, X, Y, Z
CEMENT	Taking and preparing samples of cement and GGBS (Ground Granulated Blast-furnace Slag) – sampling from silos	BS EN 196-7:2008	L, R
	Compressive strength	BS EN 196-1:2016	L
	Setting time	BS EN 196-3:2016	L
	Soundness	BS EN 196-3:2016	L
	Fineness - air permeability (Blaine) method	BS EN 196-6:2010	L
	Fineness - air jet sieving method	BS EN 196-6:2010	L



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GROUND GRANULATED BLASTFURNACE SLAG for use with Portland Cement	Activity Index	EN 15167-1:2006 BS EN 196-1	L
	Setting time	EN 15167-1:2006 BS EN 196-3	L
	Soundness	EN 15167-1:2006 BS EN 196-3	L
	Fineness - air permeability (Blaine) method	EN 15167-1:2006 BS EN 196-6	L
END			