

Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 <p>UKAS TESTING</p> <p>1489</p> <p>Accredited to ISO/IEC 17025:2017</p>	<p>Costain Ltd</p> <p>Issue No: 080 Issue date: 22 September 2021</p>	
	<p>Costain House Vanwall Business Park Maidenhead SL6 4UB</p>	<p>Contact: Mrs Bhavika Ramrakhyani Tel: +44 (0)7799435926 E-Mail: bhavika.ramrakhyani@costain.com Website: www.costain.com</p>
<p>Testing performed by the Organisation at the locations specified below</p>		

Locations covered by the organisation and their relevant activities

Costain Limited is accredited for a flexible scope for the commissioning of laboratories for site contracts in accordance with documented in-house procedure: SYS-010 for the scope of activities detailed below

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

Laboratory locations: Location details		Activity	Location code
<p>Address Costain Ltd Costain House Vanwall Business Park Maidenhead United Kingdom SL6 4UB</p>	<p>Local Contact Mrs Bhavika Ramrakhyani Tel: +44(0)1628 842531 Mob: +44(0)7799 435926</p>	MANAGEMENT ACTIVITIES ONLY	SL6
<p>Address Costain Ltd A465 Section 2 Ty Gwyn Road Twyn Wenallt Gilwern, Abergavenny NP7 0BQ</p>	<p>Local Contact Mr Alan McGregor</p>	AGGREGATES: Physical Tests CONCRETE - hardened: Mechanical Tests; Physical Tests SOILS AND STABILISED MATERIALS: Mechanical Tests; Physical Tests	NP7
<p>Address Costain Ltd Tideway-East CVB JV DEPCS Crossfield St London SE8 3PH</p>	<p>Local Contact Mr Domenico Miletta</p>	CONCRETE – Fresh and hardened	SE8
<p>Address Costain Ltd Preston Distribution Route. Site Offices Lea Lane Lea Town PR4 0RN</p>	<p>Local Contact Mr Geraint Hughes</p>	AGGREGATES: Physical Tests CONCRETE - hardened: Mechanical Tests; Physical Tests SOILS AND STABILISED MATERIALS: Mechanical Tests; Physical Tests	PR4



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Laboratory locations: Location details		Activity	Location code
Address Costain Ltd trading as Skanska Costain STRABAG Joint Venture (SCS JV) HS2 East Granby Terrace Euston London NW1 3SA	Local Contact Mr Cory Hughes	AGGREGATES: Physical Tests CONCRETE - hardened: Mechanical Tests; Physical Tests SOILS AND STABILISED MATERIALS: Mechanical Tests; Physical Tests	NW1
Address Costain Ltd trading as Skanska Costain STRABAG Joint Venture (SCS JV) HS2 Central Braitrim House NW10 6NB	Local Contact Mr Cory Hughes	AGGREGATES: Physical Tests CONCRETE - hardened: Mechanical Tests; Physical Tests SOILS AND STABILISED MATERIALS: Mechanical Tests; Physical Tests	NW10
Address Costain Ltd trading as Skanska Costain STRABAG Joint Venture (SCS JV) HS2 West Breakspear Road, Uxbridge UB9 6LS	Local Contact Mr Cory Hughes	AGGREGATES: Physical Tests CONCRETE - hardened: Mechanical Tests; Physical Tests SOILS AND STABILISED MATERIALS: Mechanical Tests; Physical Tests	UB9
Address Site Offices A30 Carland Cross Roundabout Mitchell Cornwall TR8 5AX	Local Contact Mr Richard Adams	AGGREGATES: Physical Tests CONCRETE - hardened: Mechanical Tests; Physical Tests SOILS AND STABILISED MATERIALS: Mechanical Tests; Physical Tests	TR8
Address Costain Ltd RDP North B10+ Costain Limited, Blaydon Industrial Park, Chainbridge Road, Blaydon on Tyne, NE21 5AB	Local Contact Mr Alan McGregor	AGGREGATES: Physical Tests SOILS AND STABILISED MATERIALS: Mechanical Tests; Physical Tests	NE21



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Site activities performed away from the locations listed above:

Laboratory locations: Location details	Activity	Location code
<p>All locations suitable for the activities listed</p> <p>Contact (Heads of the Valleys Laboratory) Mr Alan McGregor</p> <p>Contact Tideway-East Mr Domenico Miletta</p> <p>Contact RDP North B10+ Mr Alan McGregor</p> <p>Contact Preston Mr Geraint Hughes</p> <p>Contact HS2 Mr Cory Hughes</p> <p>Contact A30 Mr Richard Adams</p>	<p>AGGREGATES: Sampling CONCRETE - fresh: Physical Tests; Sampling SOILS AND STABILISED MATERIALS: Sampling; Physical Tests; Mechanical Tests</p>	<p>Site</p>



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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 stockpiles of fine aggregates by hand	BS EN 932-1:1997	Site
	Sampling stockpiles of coarse aggregates by hand	BS EN 932-1:1997	Site
	Particle size distribution - sieving method	BS EN 933-1:2012	NP7 NE21 PR4 UB9 NW10 TR8
	Sample reduction using a riffle box	BS EN 932-2:1999	NP7 NE21 PR4 UB9 NW10 TR8
	Sample reduction by quartering	BS EN 932-2:1999	NP7 NE21 PR4 UB9 NW10 TR8
	Sample reduction to a test portion of a specified mass within a small tolerance	BS EN 932-2:1999	UB9 NW10 TR8
	Flakiness index	BS EN 933-3:2012	TR8
	Classification test for the constituents of coarse recycled aggregate	BS EN 933-11:2009	UB9 NW10
	Resistance to fragmentation by the Los Angeles test method	BS EN 1097-2:2010	UB9
Loose bulk density and voids	BS EN 1097-3:1998	NE21	



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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)	Water content	BS EN 1097-5:1999 BS EN 1097-5:2008	NP7, NE21 PR4 UB9 NW10 TR8
	Particle density and water absorption - pycnometer method for aggregate particles between 4 mm and 31,5 mm	BS EN 1097-6:2013	NCL
	Particle density and water absorption - pycnometer method for aggregate particles between 0,063 mm and 4 mm	BS EN 1097-6:2013	NCL
	Uniformity coefficient	Specification for Highway Works: 600 Series: Table 6.1: Footnote 5	NP7 NE21 PR4 NW1 NW10 UB9 TR8
BITUMINOUS MIXTURES for roads and other paved areas	Maximum density - volumetric procedure	BS EN 12697-5:2009	NCL
	Bulk density - saturated surface dry (SSD)	BS EN 12697-6:2012	NCL
	Determination of Air Voids content	BS EN 12697-8:2003	NCL
	Conventional Refusal Density - vibratory compaction	BS EN 12697-9:2002 (withdrawn)	NCL
	Percentage Refusal Density - vibratory compaction	BS EN 12697-9:2002 (withdrawn)	NCL
	Laboratory Compaction of Bituminous Mixtures by Vibratory Compaction	BS EN 12697-32:2003 +A1:2007	NCL



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BITUMINOUS MIXTURES for roads and other paved areas (cont'd)	Sampling - from the material around the augers of the paver - of workable material in heaps - of laid and compacted materials by coring	BS EN 12697-27:2017	Site
	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	Site
	Temperature measurement - Measurements of temperature in a heap - Measurements of temperature in a paver hopper	BS EN 12697-13:2017 Infrared-thermometer	Site
BITUMINOUS ROAD SURFACING	In-situ density - dielectric method	BS 594987:2015 +A1:2017 and DIHM: SP-037	Site
ROAD PAVEMENT SURFACES	Pavement surface macrotexture depth using a volumetric patch technique	BS EN 13036-1:2010	Site
	Texture depth - by the sand-patch method	BS 598-105:2000 (withdrawn)	Site
	Surface regularity using a rolling straight-edge	Specification for Highway Works HMSO August 1986 Clause 702TRRL Supplementary Report 290:1977	Site
	Core Logging	Design Manual for Roads and Bridges, DRMB HD 29/08 Volume 7, Section 3, Chapter 7 and Documented In-House SP-065	NCL



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CONCRETE – fresh	Sampling fresh concrete on site - spot sample - composite sample	BS EN 12350-1:2009 BS EN 12350-1:2019	Site
	Slump	BS EN 12350-2:2009 BS EN 12350-2:2019	Site
	Flow Table Test	BS EN 12350-5:2009 BS EN 12350-5:2019	Site
	Self-compacting concrete – slump-flow test	BS EN 12350-8:2010 BS EN 12350-8:2019	Site
	Air content - pressure gauge method	BS EN 12350-7:2009 BS EN 12350-7:2019	Site
	Testing fresh concrete. Self- compacting concrete. L box test	BS EN 12350-10:2019	NW1, NE21 NW10, UB9
	Making cubic specimens for strength tests	BS EN 12390-2:2009 BS EN 12390-2:2019	Site
	Making prism specimens for strength tests	BS EN 12390-5:2009	Site
	Manufacture of concrete cylinders	BS EN 12390-2:2009 BS EN 12390-2:2019	SE8, NW1 NW10, UB9 NE21
	Temperature of fresh concrete	DIHM No SP-013	Site
	Standard Test Methods for Bleeding of Concrete	C232/C232M – 09 Method A	SE8, NW1, NW10, UB9
	Visual Stability Index (VSI)	BS EN 12350/8 ASTM C1611/C1611M-18	NW1, NW10, UB9
	Standard Test Method for static segregation of self-consolidating concrete using column technique	ASTM C1610/C1610M - 19	NW1, NW10, UB9
Static Segregation of Hardened Self-Consolidating Concrete (SCC) Cylinders Test	AASHTO PP58-12	NW1, NW10, UB9	



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CONCRETE - hardened	Bauer Pressure Filtration	CIA Z17-Recommended Practice, Tremie Concrete for Deep Foundations	NW1, NW10, UB9
	Compressive strength of cubes - including curing	BS EN 12390-1:2012 BS EN 12390-3:2009 BS EN 12390-3:2019 BS EN 12390-2:2009 BS EN 12390-2:2019	NP7, SE8 NE21 PR4 NW1 NW10 UB9 TR8
	Density	BS EN 12390-7:2009 BS EN 12390-7:2019	NP7, SE8 NE21, PR4 NW1, NW10 UB9, TR8
CONCRETE - hardened	Flexural strength of test specimens - including curing	BS EN 12390-5:2000 BS EN 12390-2:2009 BS EN 12390-2:2019	NCL
SOILS for civil engineering purposes	Moisture content - oven drying method	BS 1377-2:1990	NP7, NE21 PR4, NW10 UB9 TR8
	Particle size distribution - wet sieving	BS 1377-2:1990	NP7, NE21 PR4, NW10 UB9 TR8
	Particle size distribution - dry sieving	BS 1377-2:1990	NP7, NE21 PR4, NW10 UB9 TR8
	Plasticity index	BS 1377-2:1990	NE21 UB9 TR8
	Particle density - gas jar	BS 1377-2:1990	NCL



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SOILS for civil engineering purposes (cont'd)	Dry density/moisture content relationship (2.5 kg rammer)	BS 1377-4:1990	NE21, PR4 NW10 UB9 TR8
	Dry density/moisture content relationship (4.5 kg rammer)	BS 1377-4:1990	NE21 PR4 NW10 UB9 TR8
	Dry density/moisture content relationship (vibrating hammer)	BS 1377-4:1990	NP7 NE21 PR4 NW10 UB9 TR8
	MCV - natural moisture content	BS 1377-4:1990	NG36, PR4 NW10, NE21 UB9 TR8
	In situ DCP Index Using the TRRL dynamic cone penetrometer	Documented In-House Method No SP-001	Site
	Sampling earthworks materials - from stockpiles	Documented In-House Method No SP-030	Site
	In situ density - by sand replacement method - (large pouring cylinder)	BS 1377-9:1990	Site
	Vertical deformation and strength characteristics of soil by the plate loading test	BS 1377-9:1990	Site
	In-situ density - core cutter method	BS 1377-9:1990	Site
In-situ bulk density - nuclear method - absolute tests	BS 1377-9:1990	Site	



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SOILS for civil engineering purposes (cont'd)	In-situ bulk density - nuclear method - compliance tests	BS 1377-9:1990	Site
	In-situ moisture density - nuclear method - compliance tests	BS 1377-9:1990	Site
	In-situ moisture density - nuclear method - absolute tests	BS 1377-9:1990	Site
	Equivalent CBR by plate bearing test	Design Manual for Roads and Bridges: Volume 7: Pavement design and Maintenance - Foundation IAN 73/06	Site
	Sampling earthworks materials - from stockpiles	Documented In-House Method No SP-030	Site
	Hand shear vane	Guideline for handheld shear vane test: New Zealand Geotechnical Society Inc August 2001	NE21, PR4 NW1, NW10 UB9, TR8
	In situ density (soils) – dielectric method	Documented In-House Method SP-011	Site
STABILIZED MATERIALS for civil engineering purposes	Plate loading measurement of the deflection of top of subgrade (French plate load)	NF P94-117-1	Site
	Moisture content – oven drying	BS 1924-2:1990	NCL
UNBOUND and HYDRAULICALLY BOUND MIXTURES	In-situ density - nuclear method - Compliance tests	BS 1924-2:1990	Site
	Compressive strength of hydraulically bound mixtures	BS EN 13286-41:2003	PR4
	Laboratory reference density and water content - vibrating hammer	BS EN 13286-4:2003	NCL
	Manufacture of test specimens (cubes) – including curing	BS EN 13286-51:2004	NCL



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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
UNBOUND and HYDRAULICALLY BOUND MIXTURES	Laboratory reference density and water content - vibrating hammer	BS EN 13286-4:2003	NCL
END			