Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

0812 **Accredited to ISO/IEC 17025:2017**	**Hanson Quarry Products Europe Limited t/a Hanson Aggregates** **Issue No:** 044 **Issue date:** 14 October 2022	
	National Laboratory **The Ridge** **Chipping Sodbury** **Bristol** **BS37 6AY**	**Contact: Mr N Ward** **Tel: +44 (0)1454 316000** **E-Mail: Nick.Ward@hanson.biz** **Website: www.hanson.biz/uk**

Testing performed by the Organisation at the locations specified

Locations covered by the organisation and their relevant activities

Laboratory locations:

Location details		**Activity**	**Location code**
Address National Laboratory The Ridge Chipping Sodbury Bristol BS37 6AY	**Local contact** Mr N Ward	Testing: Aggregates - physical tests Bituminous Materials - physical tests Bituminous Mixtures – mechanical, physical tests Concrete - mechanical tests, physical tests	A
Address Whatley Quarry Frome Somerset BA11 3LF	**Local contact** Mr N Ward	Testing: Aggregates - physical tests	B
Address Hanson Concrete Battersea Laboratory 80 Kirtling Street Nine Elms London	Local contact Mr N Ward	Testing: Concrete - mechanical tests, physical tests	C

UKAS TESTING 0812 Accredited to ISO/IEC 17025:2017	**Schedule of Accreditation** issued by **United Kingdom Accreditation Service** 2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK **Hanson Quarry Products Europe Limited t/a Hanson Aggregates** **Issue No:** 044 **Issue date:** 14 October 2022

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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	Particle size distribution - sieving method	BS EN 933-1:2012	A, B
	Flakiness index	BS EN 933-3:2012	A, B
	Sand Equivalent Test	BS EN 933-8 : 2012 + A1 2015	A
	Assessment of fines - methylene blue test	BS EN 933-9:2022	A, B
	Apparent (bulk) density of filler in kerosene	BS EN 1097-3:1998	A
	Loose bulk density and voids	BS EN 1097-3:1998	A
	Compacted bulk density	Documented In-House Method: TSM/12, P875, December 2012	A
	Water content	BS EN 1097-5: 2008	A, B
BITUMINOUS MATERIALS	Needle penetration - 25°C	BS EN 1426:2015	A
	Softening point - ring and ball method	BS EN 1427:2015	A
	Preparation of test samples	BS EN 12594:2014	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
	Bitumen recovery: rotary evaporator	BS EN 12697-3:2013+A1:2018	A
	Maximum density - volumetric procedure	BS EN 12697-5:2018	A
	Bulk density - dry - saturated surface dry (SSD) - sealed specimen (foil & wax) - by dimensions	BS EN 12697-6: 2020	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)	Air voids content	BS EN 12697-8:2018	A
	Percentage refusal density (PRD)	BS EN 12697-9:2002 (BS EN 12697-6:2020 BS EN 12697-32:2019	A
	Water Sensitivity	BS EN 12697-12: 2018 Method A	A
	Binder drainage - Beaker Method	BS EN 12697-18:2017	A
	Wheeltracking (small size device procedures A - conditioned in air)	BS EN 12697-22:2020 (	A
	Wheeltracking (small size device procedures B - conditioned in air)	BS EN 12697-22:2020(	A
	Indirect tensile strength	BS EN 12697-23:2017	A
	Dimensions of a specimen	BS EN 12697-29:2020	A
	Specimen preparation by impact compactor with wooden pedestal	BS EN 12697-30:2018	A
	Specimen preparation by vibratory compactor	BS EN 12697-32:2019	A
	Specimen prepared by roller compactor	BS EN 12697-33:2020(	A
	Marshall test	BS EN 12697-34:2020	A
	Laboratory mixing	BS EN 12697-35:2016	A
	Stiffness - test applying indirect tension to cylindrical specimens (IT-CY)	BS EN 12697-26:2004	A
	Hot sand test for the adhesivity of binder on precoated chippings for HRA	BS EN 12697-37: 2003	A
	Protocol for determining the design binder content of designed HRA surface course mixtures	BS 594987:2015+A1:2017 Annex H	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)	Sensitivity to water	BBA Guidelines Document SG3, Appendix A2, March 2011	A
CONCRETE - hardened	Compressive strength of cubes - including curing	BS EN 12390-3:2019 BS EN 12390-2:2019 BS EN 12390-1:2021	A, C
	Manufacture of test specimens for tensile splitting strength	BS EN 12390-6:2009	C
	Density	BS EN 12390-7:2019	A, C
CONCRETE - fresh	Temperature of fresh concrete	BS EN 8500-2:2015+A2:2019	C
	Testing fresh concrete. Flow table test	BS EN 12350-5:2019	C
	Testing fresh concrete. Density	BS EN 12350-6:2019	C
	Flexural tensile strength of concrete beams (manufacture of specimens only)	BS EN 14651:2005+A1:2007	C
	Manufacture of test specimens for Flexural strength	BS EN 14651:2005+A1:2007	C
	Testing sprayed concrete. Fibre content of fibre reinforced concrete	BS EN 14488-7:2006 Method B	C

END