

Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 <p>UKAS TESTING 4076</p> <p>Accredited to ISO/IEC 17025:2017</p>	<p>Pavement Testing Services Limited</p> <p>Issue No: 039 Issue date: 09 September 2021</p>	
	<p>Unit 1 Rough Hey Road Grimsargh Preston PR2 5AR</p>	<p>Contact: Ms Becky Grundy Tel: +44(0)1772 792899 E-Mail: becky.grundy@ptsinternational.co.uk Website: www.ptsinternational.co.uk</p>
<p>Testing performed by the Organisation at the locations specified below</p>		

Locations covered by the organisation and their relevant activities

Laboratory locations:

Location details	Activity	Location code
<p>Address Unit 1 Rough Hey Road Grimsargh Preston PR2 5AR</p> <p>Local contact Ms B Grundy Tel: +44(0)1772 792899</p> <p>Email: becky.grundy@ptsinternational.co.uk</p>	<p>Testing: Aggregates - physical tests Bitumen Road Emulsions - physical tests Bituminous Materials - physical tests Bituminous Mixtures - mechanical, tests, physical tests Pavement Surface Treatments - mechanical tests, physical tests Concrete - mechanical tests, physical tests</p>	A
<p>Address Hackthorpe Hall Business Centre Hackthorpe Penrith Cumbria CA10 2HX</p> <p>Local contact Mr S. Elliot Tel: +44 (0)1931 712051</p> <p>Email: steven.elliott@ptsinternational.co.uk</p>	<p>Testing: Aggregates - physical tests Bituminous Mixtures - mechanical, tests, physical tests Concrete - mechanical tests, physical tests Soils – mechanical and physical tests</p>	B



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Site activities performed away from the locations listed above:

Location details	Activity	Location code
All locations suitable for the activities listed Local contact (s) Preston Ms B Grundy Tel: +44(0)1772 792899 Email: becky.grundy@ptsinternational.co.uk Penrith Mr S. Elliot Tel: +44 (0)1931 712051 Email: steven.elliott@ptsinternational.co.uk	Sampling: Aggregates Bituminous mixtures Concrete – fresh & hardened Road pavement surfaces Testing: Aggregates - physical tests Bituminous Mixtures – mechanical and tests, physical tests Concrete - mechanical and physical tests Soils – mechanical and physical tests Non-destructive tests: Bituminous road surfacing - physical tests Paved surfaces - physical tests	Site



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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	Site
	Sample reduction	BS EN 932-2:1999	B, Site
	Particle size distribution - sieving method	BS EN 933-1:2012	A, B
	Determination of particle shape - flakiness index	BS EN 933-3:2012	B
	Water content - oven drying method	BS EN 1097-5:2008	B
	Resistance to fragmentation of coarse aggregate - Los Angeles Method	BS EN 1097-2:2020	B
	Polished stone value	BS EN 1097-8:2009 (withdrawn)	A
BITUMEN ROAD EMULSIONS (ANIONIC and CATIONIC)	Residual binder and oil distillate from bitumen emulsions by distillation	BS EN 1431:2009 (withdrawn)	A
	Recovery of binder from bitumen emulsions by evaporation	BS EN 13074-1:2011 (withdrawn)	A
	Recovery of binder from bitumen emulsions or cutback or fluxed bituminous binders stabilisation after recovery by evaporation	BS EN 13074-2:2011 (withdrawn)	A
BITUMINOUS MATERIALS	Needle penetration - 25 °C	BS EN 1426:2015	A
	Softening point - ring and ball method	BS EN 1427:2015	A



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BITUMINOUS MATERIALS (cont'd)	Recovery of bitumen binders by dichloromethane extraction rotary film evaporator method	BS EN 12697-3:2013 + A1:2018	A
	Cohesion of bituminous binders with pendulum test	BS EN 13588:2017	A
	Complex shear modulus and phase angle - dynamic shear rheometer (DSR) method	BS EN 14770:2012 Specification for Highway Works Clause 956:2008	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, B
	Soluble binder content by recovery, using bottle rotation machine, bucket centrifuge type 1 and volume calculation	BS EN 12697-1:2020	A
	Particle size distribution	BS EN 12697-2:2015 + A1:2019	A, B
	Maximum density - volumetric procedure	BS EN 12697-5:2018	A, B
	Bulk density - dry - sealed specimen - saturated surface dry (SSD) - by dimensions	BS EN 12697-6:2020	A
	Bulk density - sealed specimen	BS EN 12697-6:2020	B
	Air voids content	BS EN 12697-8:2018	A, B
	Percentage of the voids in the mineral aggregate filled with binder (vfb)	BS EN 12697-8:2003 (withdrawn)	A
Voids content in the mineral aggregate (vma)	BS EN 12697-8:2003 (withdrawn)	A	



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BITUMINOUS MIXTURES for roads and other paved areas (cont'd)	Percentage refusal density (PRD) - vibratory compaction	BS EN 12697-9:2002 (withdrawn)	A
	Wheel tracking using a small size device and procedure A	BS EN 12697-22:2003 (withdrawn)	A
	Wheel tracking using a small size device and procedure B	BS EN 12697-22:2003 (withdrawn)	A
	Resistance to fatigue - indirect tensile test on cylindrical shaped specimens	BS EN 12697-24:2004 (withdrawn)	A
	Stiffness - test applying indirect tension to cylindrical specimens (IT-CY)	BS EN 12697-26:2004 (withdrawn)	A
	Sampling bituminous materials - around the augers of the paver - in heaps	BS EN 12697-27:2017	Site
	Sampling bituminous materials - core cutting method	BS EN 12697-27:2017	Site
	Preparation of samples for determining binder content, water content and grading	BS EN 12697-28:2001 (withdrawn)	A, B, Site
	Determination of the dimensions of a bituminous sample	BS EN 12697-29:2020	A
	Laboratory compaction of bituminous mixtures by vibratory compaction	BS EN 12697-32:2003 + A1:2007 (withdrawn)	A
	Laboratory mixing	BS EN 12697-35:2016	A
	Determination of the thickness of a bituminous pavement - Destructive measurement	BS EN 12697-36:2003	Site
Wheeltracking rate	BS 598-110:1998	A	



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BITUMINOUS MIXTURES for roads and other paved areas (cont'd)	Resistance to permanent deformation - unconfined dynamic loading (RLAT)	BS DD 226:1996 (withdrawn)	A
	Resistance to permanent deformation - unconfined dynamic loading under vacuum (VRLAT)	BS DD 226:1996 (withdrawn) modified in accordance with TRL PA 3287/97	A
	Fatigue characteristics using indirect tensile fatigue	Documented In-House Method: C6 ITFT	A
	Torque bond test	BBA SG3 Guidline Document Appendix A.3: June 2013	A & Site
	Description of cores - examination	Documented in-house Method No.CON-QMLAB-B3	B & Site
CONCRETE – fresh	Sampling fresh concrete on site - composite sample - spot sample	BS EN 12350-1: 2019	Site
	Slump	BS EN 12350-2: 2019	Site
	Making test cubes	BS EN 12390-2: 2019	B
CONCRETE - hardened	Compressive strength of cubes – including curing, shape and dimensions	BS EN 12390-3:2019 BS EN 12390-2:2019 BS EN 12390-1:2012	B
	Compressive strength of cores – including curing, shape and dimesions	BS EN 12390-3:2019 BS EN 12390-2:2019 BS EN 12390-1:2012	A
	Density	BS EN 12390-7:2019	A, B
	Cored specimens - examining and testing in compression	BS EN 12504-1:2019	A
	Taking cores	BS EN 12504-1:2019	Site
	Visual survey of structures for delamination	Documented In-House Method No C19	Site



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CONCRETE – hardened (cont'd)	Resistivity survey	Documented In-House Method No C20	Site
	Depth of carbonation	BS EN 14630:2006	Site
	Location of reinforcement	BS 1881-204:1988	
	Half-cell potential of uncoated reinforcing steel	ASTM C876-15	Site
	Sampling by dust drilling	Documented In-House Method No C18	Site
PAVEMENT SURFACE TREATMENTS	High Friction Surfacing: Scuffing	TRL 176:1997 Appendix G	A
	High Friction Surfacing: Degree of erosion and visual observation	TRL 176:1997 Appendix F	A
	High Friction Surfacing: Texture depth	TRL 176:1997 BBA Guideline RSG1.08.189 March 2010	A
PAVED SURFACES	Surface dressing: Visual assessment of defects	BS EN 12272-2:2003	Site
	Visual assessment for slurry surfacing	BS EN 12274-8: 2005	Site
	Pavement surface macrotexture depth using a volumetric patch technique	BS EN 13036-1:2010	Site
	Slip/skid resistance of a surface - the pendulum test	BS EN 13036-4:2003 (withdrawn) BS 7976-2:2002 + A1:2013	Site
	Sampling of pavement materials - core cutting method	BS EN 12697-27:2001 (withdrawn) BS EN 12504-1:2019	Site
	Core Logging	Documented In-house Method: C14	A



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PAVED SURFACES (cont'd)	Visual Assessment of Thin Surfacing	Documented in-house method C171	Site
	Surface regularity using a rolling straight-edge	TRRL 290	Site
SOILS for civil engineering purposes	California Bearing Ratio (CBR)	BS 1377-4:1990	B
	Moisture Condition value (natural moisture content)	BS 1377-4:1990	B
	Moisture content - oven drying method	BS 1377-2:1990	B
	Liquid limit - cone penetrometer - definitive method	BS 1377-2:1990	B
	Liquid limit - cone penetrometer - one point method	BS 1377-2:1990	B
	Plastic limit	BS 1377-2:1990	B
	Plasticity index and liquidity index	BS 1377-2:1990	B
	Particle size distribution - wet sieving	BS 1377-2:1990	B
	Particle size distribution - dry sieving	BS 1377-2:1990	B
	Particle size distribution - sedimentation - pipette method	BS 1377-2:1990	B
	Dry density/moisture content relationship (2.5 kg rammer)	BS 1377-4:1990	B
Dry density/moisture content relationship (4.5 kg rammer)	BS 1377-4:1990	B	
Permeability in a triaxial cell	BS 1377-6:1990	B	



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SOILS for civil engineering purposes (cont'd)	In-situ density – core cutter method	BS 1377-9:1990	Site
	Dynamic cone penetrometer	Documented In house procedure S3	Site
	Dynamic cone penetrometer	Documented in-house method No C28	Site
GEOTECHNICAL INVESTIGATION and TESTING - Laboratory testing of soil	Water content	BS EN ISO 17892-1:2014	B
	Determination of particle size distribution - sieving method - pipette method	BS EN ISO 17892-4:2016	B
	Determination of plastic limit and plasticity index	BS EN ISO 17892-12:2018	B
	Determination of liquid limit - fall cone method - four point method	BS EN ISO 17892-12:2018	B
	Determination of liquid limit - fall cone method - one point method	BS EN ISO 17892-12:2018	B
END			