

# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

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

 <b>0920</b>  Accredited to ISO/IEC 17025:2017	<b>Norse Eastern Limited trading as Norse Highways Operating as Norfolk Partnership Laboratory</b>	
	<b>Issue No:</b> 051	<b>Issue date:</b> 12 February 2025
	<b>Norse Eastern Ltd</b> 280 Fifers Lane Norwich Norfolk NR6 6EQ	<b>Contact:</b> Mr J Elliott <b>Tel:</b> +44 01603 578 389 <b>E-Mail:</b> civil.laboratory@norsegroup.co.uk
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
<b>Address</b> County Hall Martineau Lane Norwich Norfolk NR1 2SG	<b>Local contact</b> Mr J Elliot	Testing: Aggregates - physical tests Bituminous Materials - physical tests Bituminous Mixtures - physical tests Concrete - mechanical, physical & Salt - physical & chemical tests Soils - mechanical & physical tests	Laboratory

#### Site activities performed away from the locations listed above:

Location details		Activity	Location code
<b>Address</b> All locations suitable for the activities listed	<b>Local contact</b> Mr J Elliot	Sampling: Bituminous mixtures Concrete (hardened).  Testing: Concrete (hardened & reinforced) - chemical & non-destructive tests Road Pavement Surfaces - physical tests Soils - physical tests Stabilized Materials - 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	Particle size distribution - sieving method	BS EN 933-1:2012	Laboratory
	Particle shape - flakiness index	BS EN 933-3:2012	Laboratory
	Resistance to fragmentation by the Los Angeles Method	EN 1097-2:2020	Laboratory
	Magnesium sulfate test	BS EN 1367-2:2009	Laboratory
	Uniformity coefficient	Specification for Highway Works table 6/1 footnote 5	Laboratory
BITUMINOUS MATERIALS	Needle penetration - 25°C	BS EN 1426:2015	Laboratory
	Softening point - ring and ball method	BS EN 1427:2015	Laboratory
BITUMINOUS MIXTURES for roads and other paved areas	Soluble binder content by recovery, using bottle rotation machine, bucket centrifuge type 1 and volume calculation	BS EN 12697-1:2020	Laboratory
	Particle size distribution	BS EN 12697-2:2015 + A1:2019	Laboratory
	Determination of max density – procedure A volumetric	BS EN 12697-5:2018	Laboratory
	Determination of bulk density – procedure A – dry, - procedure B – SSD	BS EN 12697-6:2020	Laboratory
	Determination of void characteristics	BS EN 12697-8:2018	Laboratory
	Specimen preparation by Vibratory Compactor	BS EN 12697-32:2019	Laboratory



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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
CONCRETE - hardened	Compressive strength of cubes - including curing	BS EN 12390-3:2019 BS EN 12390-1:2021 BS EN 12390-2:2019	Laboratory
	Density	BS EN 12390-7:2019	Laboratory
	Cored specimens - examining and testing in compression	BS EN 12504-1:2019	Laboratory
	Concrete drilling for dust samples	BRE Information Paper IP 21/86	Site
	Carbonation	BS EN 14630:2006	Site
CONCRETE - reinforced	Location of reinforcement	BS 1881-204:1988	Site
	Half-cell potential of uncoated reinforcing steel in concrete	ASTM C876-09	Site
	Half-cell potential of uncoated reinforcing steel in concrete	TRRL Applications Guide 9:1991	Site
	Resistivity of concrete	DIHP 7.9 [09/2023]	Site
REINSTATEMENT OF OPENINGS IN HIGHWAYS	Measurement of layer thickness of bituminous materials & Visual examination of bituminous core samples	Methods of test required for the assessment of conformity under the New Roads and Street Works Act (1991) (Specification for the Reinstatement of Openings in Highways)  BS EN 12697-36:2022	Laboratory or Site



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ROAD PAVEMENT SURFACES	Texture depth - by the sand-patch method	BS 598-105:2000	Site
	Sampling of finished material - core cutting method	BS EN 12697-27:2001	Site
	In-situ density - non-nuclear method	BS 594987: 2015 + A1: 2017 Annex I and DIHP9.4	Site
	In-situ density - nuclear method	BS 594987: 2015 + A1: 2017 Annex I and DIHP11	Site
SALT for spreading on highways for winter maintenance	Grading by sieve analysis	BS 3247:2011+A1:2016	Laboratory
	Moisture content	BS 3247:2011+A1:2016	Laboratory
	Matter insoluble in water	BS 3247:2011+A1:2016	Laboratory
	Chloride content	BS 3247:2011+A1:2016	Laboratory
	Soluble sulphate compounds	BS 3247:2011+A1:2016	Laboratory
SOILS for civil engineering purposes	Water content - oven drying method	BS 1377-2:2022	Laboratory
	Liquid limit - cone penetrometer (definitive method)	BS 1377-2:2022	Laboratory
	Liquid limit - one point cone penetrometer	BS 1377- 2:2022	Laboratory
	Plastic limit	BS 1377-2:2022	Laboratory
	Plasticity index and liquidity index	BS 1377-2:2022	Laboratory
	Particle size distribution - wet sieving	BS 1377-2:2022	Laboratory



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SOILS for civil engineering purposes (cont'd)	Particle size distribution - dry sieving	BS 1377-2:2022	Laboratory
	Particle size distribution - sedimentation - pipette method	BS 1377-2:2022	Laboratory
	Dry density/water content relationship (2.5 kg rammer)	BS 1377-2:2022	Laboratory
	Dry density/water content relationship (4.5 kg rammer)	BS 1377-2:2022	Laboratory
	Dry density/water content relationship (vibrating hammer)	BS 1377-2:2022	Laboratory
	California Bearing Ratio (CBR)	BS 1377-2:2022	Laboratory
	Measurement of swelling of soaked CBR specimen	BS 1377-2:2022	Laboratory
	Uniformity coefficient	Specification for Highway Works table 6/1 footnote 5	Laboratory
GEOTECHNICAL INVESTIGATION and TESTING - Laboratory testing of soil	Water content	BS ISO 17892-1:2014 +A1 2022	Laboratory
	Determination of particle size distribution -sieving method	BS EN ISO 17892-4:2016	Laboratory
	Determination of particle size distribution -pipette method	BS EN ISO 17892-4:2016	Laboratory
	Determination of liquid limit by the fall cone method	BS EN ISO 17892-12: 2018	Laboratory
	Determination of liquid limit by the fall cone method one point	BS EN ISO 17892-12: 2018	Laboratory



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GEOTECHNICAL INVESTIGATION and TESTING - Laboratory testing of soil (cont'd)	Determination of plastic limit  Plasticity Index and Liquidity Index	BS EN ISO 17892-12: 2018  BS EN ISO 17892-12: 2018	Laboratory  Laboratory
HYDRAULICALLY BOUND and STABILIZED MATERIALS for civil engineering purposes	In-situ Density – Nuclear Moisture / Density Gauge (NDM) – compliance  Determination of compressive strength of hydraulically bound mixtures – including curing	BS 1924-2:2018  BS EN 13286-41:2021	Site  Laboratory
END			