# **Schedule of Accreditation**

# **United Kingdom Accreditation Service**

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



8011

Accredited to ISO/IEC 17025:2017

# **TD Construction Testing Ltd**

Issue No: 024 Issue date: 09 October 2025

**Gerard Hall Contact: Ms Liz Gaskell 40 Lord Street** Tel: +44 (0) 1744 734 769

St. Helens E-Mail: Liz.Gaskell@tdconstructiontesting.co.uk Merseyside

Website: www.tdconstructiontesting.co.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<br>Gerard Hall<br>40 Lord Street<br>St. Helens<br>Merseyside<br>WA10 2SD | <b>Local contact</b><br>Ms Liz Gaskell | Testing: Aggregates - physical tests Concrete - mechanical tests, physical tests Soils for Civil Engineering purposes - mechanical tests, physical tests Unbound and Hydraulically Bound Mixtures – mechanical tests | A             |

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

**WA10 2SD** 

| Location details                                 |                                 | Activity  | Location code |
|--|---------------------------------|---|---------------|
| All locations suitable for the activities listed | Local contact<br>Ms Liz Gaskell | Sampling: Aggregates; Concrete; Soils  Testing: Bituminous Road Surfacing Concrete - mechanical tests, physical tests Geotechnical Investigation and Testing - Laboratory testing of soil Soils for Civil Engineering Purposes - mechanical tests, physical tests Roads Pavement Surfaces | В             |

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#### Testing performed by the Organisation at the locations specified

#### **DETAIL OF ACCREDITATION**

| Materials/Products tested | Type of test/Properties<br>measured/Range of<br>measurement   | Standard specifications/<br>Equipment/Techniques used         | Location<br>Code |
|---------------------------|---|---|------------------|
| AGGREGATES                | Frost heave   | BS 812-124:2009   | А                |
|                           | Sampling aggregates<br>- from stockpiles  | BS EN 932-1:1997  | В                |
|                           | Methods of reducing laboratory samples - using ariffle box; - reduction by quartering; - to a test portion of a specified mass within a small tolerance | BS EN 932-2:1999  | A                |
|                           | Particle size distribution - sieving method   | BS EN 933-1:2012  | А                |
|                           | Uniformity coefficient  | Specification for Highway Works Table 6/1                     | А                |
|                           | Flakiness index   | BS EN 933-3:2012  | Α                |
|                           | Constituents of coarse recycled aggregate   | BS EN 933-11:2009   | А                |
|                           | Resistance to wear (micro-<br>Deval)  | BS EN 1097-1:2023   | А                |
|                           | Resistance to wear (micro-<br>Deval)  | BS EN 1097-1:2023 Annex A                                     | А                |
|                           | Resistance to fragmentation of coarse aggregate - Los Angeles method  | BS EN 1097-2:2020   | А                |
|                           | Resistance to fragmentation of coarse aggregate - Los Angeles method  | BS EN 1097-2:2020 Annex A                                     | A                |
|                           | Water content - drying in a ventilated oven   | BS EN 1097-5:2008   | А                |
|                           | Particle density and water absorption   | BS EN 1097-6:2022   | А                |
|                           | Magnesium sulphate test   | BS EN 1367-2:2009 - aggregate particles between 10mm and 14mm | А                |

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|---|---|---|------------------|
| BITUMINOUS MIXTURES for roads and other paved | Maximum density – volumetric procedure  | BS EN 12697-5:2018                                    | А                |
| areas   | Bulk density - dry - saturated surface dry (SSD) - sealed specimen - by dimensions  | BS EN 12697-6:2020                                    | A                |
|   | Air voids content   | BS EN 12697-8:2018                                    | Α                |
|   | Sampling - from around the augers of the paver - from workable material in heaps - coated chippings from stockpiles - of finished material (core cutter method) | BS EN 12697-27:2017                                   | В                |
|   | Preparation of samples for the determining binder content, water content and grading  | BS EN 12697-28:2020                                   | A & B            |
|   | Determination of the dimensions of a bituminous sample  | BS EN 12697-29:2020                                   | А                |
|   | Core logging  | Documented In-house Method<br>S2a                     | А                |
| CONCRETE - fresh                              | Sampling fresh concrete on site - composite sample - spot sample  | BS EN 12350-1:2019                                    | В                |
|   | Slump   | BS EN 12350-2:2019                                    | В                |
|   | Air content - pressure gauge method   | BS EN 12350-7:2019                                    | В                |
|   | Making cubic specimens for strength tests   | BS EN 12390-2:2019                                    | A & B            |

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|                                      |   | T  | T                |
|--------------------------------------|---|--|------------------|
| Materials/Products tested            | Type of test/Properties<br>measured/Range of<br>measurement                           | Standard specifications/<br>Equipment/Techniques used          | Location<br>Code |
| CONCRETE - hardened                  | Compressive strength of cubes - including curing and shape & dimensions               | BS EN 12390-3:2019<br>BS EN 12390-2:2019<br>BS EN 12390-1:2021 | А                |
|                                      | Density   | BS EN 12390-7:2019   | А                |
| SOILS for civil engineering purposes | Moisture content (oven drying method)   | BS 1377-2:1990   | А                |
|                                      | Water content (oven drying method)  | BS 1377-2:2022   | А                |
|                                      | Liquid limit :<br>cone penetrometer (definitive<br>method)                            | BS 1377-2:1990   | А                |
|                                      | Liquid limit : cone penetrometer (one point)  | BS 1377-2:1990   | А                |
|                                      | Plastic limit   | BS 1377-2:1990   | А                |
|                                      | Plasticity index  | BS 1377-2:1990   | А                |
|                                      | Particle size distribution - wet sieving  | BS 1377-2:1990   | А                |
|                                      | Particle size distribution – sieving method   | BS 1377-2:2022   | А                |
|                                      | Particle size distribution – pipette method   | BS 1377-2:2022   | А                |
|                                      | Particle density<br>- gas jar method  | BS 1377-2:1990<br>BS 1377-2:2022                               | А                |
|                                      | California Bearing Ratio (CBR)  | BS 1377-4:1990<br>BS 1377-2:2022                               | А                |
|                                      | Determination of Moisture condition value (MCV) / moisture content relation of a soil | BS 1377-4:1990   | А                |
|                                      | Determination of Moisture condition value (MCV) / water content relation of a soil    | BS 1377-2:2022   | А                |

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|---|--|---|------------------|
| SOILS for civil engineering purposes (cont'd) | MCV (natural moisture content)                                     | BS 1377-4:1990  | A & B            |
|   | MCV (natural water content)  | BS 1377-2:2022  | A & B            |
|   | Dry density / moisture content relationship – 2.5kg rammer         | BS 1377-4:1990  | А                |
|   | Dry density / water content relationship – 2.5kg rammer            | BS 1377-2:2022  | А                |
|   | Dry density / moisture content relationship – 4.5kg rammer         | BS 1377-4:1990  | А                |
|   | Dry density / water content relationship – 4.5kg rammer            | BS 1377-2:2022  | А                |
|   | Dry density / moisture content relationship – vibrating rammer     | BS 1377-4:1990  | А                |
|   | Dry density / water content relationship – vibrating rammer        | BS 1377-2:2022  | А                |
|   | Shear strength – Large shearbox                                    | BS 1377-7:1990  | А                |
|   | Shear strength by the large shearbox apparatus                     | BS 1377-2:2022  | А                |
|   | Unconsolidated undrained triaxial test                             | BS 1377-2:2022  | А                |
|   | In-situ density (sand replacement method – large pouring cylinder) | BS 1377-9:1990  | В                |
|   | In-situ density (core cutter method)                               | BS 1377-9:1990  | В                |
|   | In-situ bulk density (nuclear method – comparative tests)          | BS 1377-9:1990  | В                |
|   | In-situ bulk density (nuclear method – absolute tests)             | BS 1377-9:1990  | В                |

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|---|--|---|------------------|
| SOILS for civil engineering purposes (cont'd) | In-situ bulk density (nuclear<br>method – compliance tests)  | BS 1377-9:1990  | В                |
|   | In-situ moisture density<br>(nuclear method –<br>comparative tests)  | BS 1377-9:1990  | В                |
|   | In-situ moisture density<br>(nuclear method – absolute<br>tests)   | BS 1377-9:1990  | В                |
|   | In-situ moisture density<br>(nuclear method – compliance<br>tests)   | BS 1377-9:1990  | В                |
|   | Effective angle of internal friction and effective cohesion  | Specification for Highway Works<br>Volume 1 Clause 636 February<br>2016   | А                |
|   | Vertical deformation and strength characteristics by the incremental plate loading test                      | BS 1377-9:1990  | В                |
|   | Determination of equivalent<br>CBR using the plate bearing<br>test   | Design Guidance for Road<br>Pavement Foundations (Draft<br>HD25) Interim Advice Note 73/06<br>Revision 1 (2009) - withdrawn | В                |
|   | Dynamic Cone Penetrometer  | Design Manual for Roads and<br>Bridges, CS229 Data for<br>Pavement Assessment,<br>Rev 0: 2020                               | В                |
|   | Sampling soils   | Documented In-House Method<br>C146  | В                |
|   | In-place density(unit weight)<br>and water content of soil using<br>an electromagnetic soil density<br>gauge | ASTM D7830/D7830M-14  | В                |
|   |  |   |                  |
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|--|--|---|------------------|
| BITUMINOUS ROAD<br>SURFACING   | In-situ density (compacted density) using indirect density gauges - nuclear method - dielectric method | Documented In-house Method<br>C57                     | В                |
| ROAD PAVEMENT<br>SURFACES  | Surface macrotexture depth using a volumetric patch technique  | BS EN 13036-1: 2010                                   | В                |
|  | Surface regularity using a rolling straight edge   | Specification for Highway Works HMSO clause 702.      | В                |
| GEOTECHNICAL<br>INVESTIGATION and  | Water content  | BS EN ISO 17892-<br>1:2014+A1:2022                    | А                |
| TESTING - Laboratory testing of soil   | Particle size distribution – sieving method  | BS EN ISO 17892-4:2016                                | Α                |
|  | Particle size distribution – pipette method  | BS EN ISO 17892-4:2016                                | А                |
|  | Unconsolidated undrained triaxial  | BS EN ISO 17892-8:2018                                | А                |
|  | Direct shear – shear box test  | BS EN ISO 17892-10:2018                               | A                |
|  | Liquid limit<br>- fall cone method   | BS EN ISO 17892-<br>12:2018+A2:2022                   | А                |
|  | Plastic limit  | BS EN ISO 17892-<br>12:2018+A2:2022                   | А                |
|  | Plasticity Index   | BS EN ISO 17892-<br>12:2018+A2:2022                   | А                |
| HYDRAULICALLY BOUND<br>and STABILIZED<br>MATERIALS for CIVIL<br>ENGINEERING PURPOSES | Density tests – Nuclear gauge<br>method – Compliance<br>- Bulk density<br>- Moisture density           | BS 1924-2:2018  | В                |
|  | Density tests – Sand replacement method (Large pouring cylinder)                                       | BS 1924-2:2018  | В                |
|  | Core-cutter method   | BS 1924-2:2018  | В                |

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|--|--|---|------------------|
| UNBOUND AND<br>HYDRAULICALLY BOUND<br>MIXTURES | Laboratory reference density<br>and water content – Proctor<br>compaction : Proctor test             | BS EN 13286-2:2010                                    | A                |
|  | Laboratory reference density<br>and water content – Proctor<br>compaction : Modified Proctor<br>test | BS EN 13286-2:2010                                    | А                |
| UNBOUND AND                                    | Degree of pulverisation  | BS EN 13286-48:2005                                   | В                |
| HYDRAULICALLY BOUND<br>MIXTURES                | Laboratory reference density<br>and water content – Vibrating<br>hammer                              | BS EN 13286-4:2021                                    | А                |
|  | Moisture condition value   | BS EN 13286-46:2003                                   | A & B            |
|  | California bearing ratio /<br>Immediate bearing index  | BS EN 13286-47:2021                                   | А                |
| END  |  |   |                  |

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