

Certificate of Accreditation



Exploration & Testing Associates Limited

Testing Laboratory No. 206362

**Is accredited in accordance with International Standard ISO/IEC 17025:2017
– General Requirements for the competence of testing and calibration
laboratories.**

This accreditation demonstrates technical competence for a defined scope specified in the schedule to this certificate, and the operation of a management system (refer joint ISO-ILAC-IAF Communiqué dated April 2017). The schedule to this certificate is an essential accreditation document and from time to time may be revised and reissued.

The most recent issue of the schedule of accreditation, which bears the same accreditation number as this certificate, is available from www.ukas.com.

This accreditation is subject to continuing conformity with United Kingdom Accreditation Service requirements.

A handwritten signature in black ink, reading "Matt Gantley", is positioned above a horizontal line.

Matt Gantley, *Chief Executive Officer*
United Kingdom Accreditation Service

Initial Accreditation: 18 November 2020
Certificate Issued: 18 November 2020




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verify

Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

| | | |
|--|---|--|
|  20632 Accredited to ISO/IEC 17025:2017 | Exploration & Testing Associates Limited | |
| | Issue No: 003 Issue date: 25 June 2021 | |
| | Unit 8b Bowburn South Industrial Estate Bowburn Durham DH6 5AD | Contact: Mr Nicholas O'Brien Tel: +44 (0)191 389 6543 E-Mail: nik.obrien@explorationtesting.uk Website: www.explorationtesting.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 Unit 8b, Bowburn South Industrial Estate Bowburn Durham DH6 5AD | Local contact Mr Nicholas O'Brien | Laboratory Testing: AGGREGATES, CONCRETE – hardened, SOILS for civil engineering purposes | Laboratory |

Site activities performed away from the locations listed above:

| Location details | | Activity | Location code |
|---|---|---|---------------|
| All locations suitable for the activities listed | Local contact Mr Nicholas O'Brien | Sampling: AGGREGATES, CONCRETE – fresh Testing: CONCRETE – fresh, SOILS for civil engineering purposes | 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 materials on site and aggregates from stockpiles | BS EN 932-1:1997 | Site |
| | Sample reduction using a riffle box | BS EN 932-2:1999 | Laboratory |
| | Sample reduction by quartering | BS EN 932-2:1999 | Laboratory |
| | Particle size distribution – sieving method | BS EN 933-1:2012 | Laboratory |
| | Constituents of coarse recycled aggregate | BS EN 933-11:2009 | Laboratory |
| | Water content | BS EN 1097-5:2008 | Laboratory |
| CONCRETE - fresh | Sampling fresh concrete on site - composite sample - spot sample | BS EN 12350-1:2019 | Site |
| | Slump | BS EN 12350-2:2019 | Site |
| | Flow table test | BS EN 12350-5:2019 | Site |
| | Making cubic specimens for strength tests | BS EN 12390-2:2019 | Site, Laboratory |
| | Curing cubic specimens for strength tests | BS EN 12390-2:2019 | Site, Laboratory |
| CONCRETE - hardened | Shape, dimensions | BS EN 12390-1:2012 | Laboratory |
| | Compressive strength of cubes - including curing | BS EN 12390-3:2019 BS EN 12390-2:2019 | Laboratory |
| | Density | BS EN 12390-7:2019 | Laboratory |



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|--------------------------------------|--|--|---------------|
| SOILS for civil engineering purposes | Moisture content - oven drying method | BS 1377-2:1990 | Laboratory |
| | Liquid limit - cone penetrometer - definitive method | BS 1377-2:1990 | Laboratory |
| | Liquid limit - cone penetrometer - one-point | BS 1377-2:1990 | Laboratory |
| | Plastic limit | BS 1377-2:1990 | Laboratory |
| | Plasticity index | BS 1377-2:1990 | Laboratory |
| | Particle density - gas jar | BS 1377-2:1990 | Laboratory |
| | Particle size distribution - wet sieving | BS 1377-2:1990 | Laboratory |
| | Particle size distribution - dry sieving | BS 1377-2:1990 | Laboratory |
| | Dry density/moisture content relationship (2.5 kg rammer) | BS 1377-4:1990 | Laboratory |
| | Dry density/moisture content relationship (4.5 kg rammer) | BS 1377-4:1990 | Laboratory |
| | Dry density/moisture content relationship (vibrating hammer) | BS 1377-4:1990 | Laboratory |
| | In-situ density - sand replacement method (small pouring cylinder) | BS 1377-9:1990 | Site |
| | In-situ density - sand replacement method (large pouring cylinder) | BS 1377-9:1990 | Site |
| | In-situ density - core cutter method | BS 1377-9:1990 | Site |



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| SOILS for civil engineering purposes (cont'd) | Vertical deformation and strength characteristics by the incremental plate loading test | BS 1377-9:1990 | Site |
| | Determination of equivalent CBR value using the plate bearing test | Design Manual for Roads and Bridges: Volume 7: Pavement Design and Maintenance - Foundations - HD 25/9 | Site |
| GEOTECHNICAL INVESTIGATION and TESTING - Laboratory testing of soil | Water content | BS EN ISO 17892-1:2014 | Laboratory |
| | Particle size distribution - sieving method | BS EN ISO 17892-4:2016 | Laboratory |
| | Liquid limit by fall cone method | BS EN ISO 17892-12:2018 | Laboratory |
| | Plastic limit | BS EN ISO 17892-12:2018 | Laboratory |
| UNBOUND and HYDRAULICALLY BOUND MIXTURES | Laboratory reference density and water content - vibrating hammer | BS EN 13286-4:2003 | Laboratory |
| END | | | |