



INTERNATIONAL  
ACCREDITATION  
SERVICE®

# CERTIFICATE OF ACCREDITATION

*This is to attest*

## ADVANCED CONSTRUCTION TECHNOLOGY SERVICES (ACTS) – TABUK BRANCH

8414 OMAR BIN AL KHATTAB  
TABUK, 47717, SAUDI ARABIA

### Testing Laboratory TL-1353

has met the requirements of AC89, *IAS Accreditation Criteria for Testing Laboratories*, and has demonstrated compliance with ISO/IEC Standard 17025:2017, *General requirements for the competence of testing and calibration laboratories*. This organization is accredited to provide the services specified in the scope of accreditation.

Effective Date June 21, 2025



*International Accreditation Service*  
Issued under the authority of IAS management

Visit [www.iasonline.org](http://www.iasonline.org) for current accreditation information.

# SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 101, Brea, California 92821, U.S.A. | [www.iasonline.org](http://www.iasonline.org)

## ADVANCED CONSTRUCTION TECHNOLOGY SERVICES (ACTS) – TABUK BRANCH

<https://acts-int.com/>

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*Accredited to ISO/IEC 17025:2017*

*Effective Date June 21, 2025*

Concrete and Cement	
AASHTO T277	Standard Test Method for Electrical Indication of Concrete's Ability to Resist Chloride Ion Penetration (Rapid Chloride Penetration Test)
ASTM C31	Standard Practice for Making and Curing Concrete Test Specimens in the Field
ASTM C39	Compressive Strength Test of Concrete Cylinder
ASTM C42	Compressive Strength Test of Concrete core
ASTM C78	Flexural Strength of concrete beams
ASTM C109	Standard Test Method for Compressive Strength of Hydraulic Cement Mortars (Using 2-in. or [50 mm] Cube Specimens)
ASTM C133	Standard Test Methods for Cold Crushing Strength and Modulus of Rupture of Refractories
ASTM C134	Standard Test Methods for Size, Dimensional Measurements, and Bulk Density of Refractory Brick and Insulating Firebrick
ASTM C138	Unit Weight of Fresh Concrete
ASTM C143	Standard Test Method for Slump of Hydraulic-Cement Concrete
ASTM C172	Standard Practice for Sampling Freshly Mixed Concrete
ASTM C173	Air Content of Freshly Mixed Concrete by the Volumetric Method
ASTM C192	Standard Practice for Making and Curing Concrete Test Specimens in the Laboratory
ASTM C230	Standard Specification for Flow Table for Use in Tests of Hydraulic Cement
ASTM C231	Air Content of Fresh Concrete
ASTM C293	Standard Test Method for Flexural Strength of Concrete (Using Simple Beam with Center-Point Loading)

**TL-1353**

**Advanced Construction Technology Services (ACTS) - Tabuk Branch**

Effective Date June 21, 2025

**Page 2 of 6**

IAS/TL/100-1



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ASTM C403	Standard Test Method for Time of Setting of Concrete Mixtures by Penetration Resistance
ASTM C469	Static Modulus of Elasticity of Concrete in Compression
ASTM C496	Standard Test Method for Splitting Tensile Strength of Cylindrical Concrete Specimens
ASTM C617/C617M	Standard Practice for Capping Cylindrical Concrete Specimens
ASTM C642	Standard Test Method for Density, Absorption, and Voids in Hardened Concrete
ASTM C805	Rebound Number of Hardened Concrete
ASTM C1064	Temperature of Freshly Mixed Hydraulic-Cement Concrete
ASTM C1140	Standard Practice for Preparing and Testing Specimens from Shotcrete Test Panels
ASTM C1202	Standard Test Method for Electrical Indication of Concrete's Ability to Resist Chloride Ion Penetration (Rapid Chloride Penetration Test)
ASTM C1231	Un-bond cap for cylindrical specimen
ASTM C1604	Standard Test Method for Obtaining and Testing Drilled Cores of Shotcrete
ASTM C1609	Standard Test Method for Flexural Performance of Fiber-Reinforced Concrete (Using Beam with Third-Point Loading)
ASTM C1611	Standard Test Method for Slump Flow of Self-Consolidating Concrete
BS 1881-122:2011+A1:2020	Method for Determination of Water Absorption of Concrete
BS 1881-208	Initial Surface Absorption of Concrete
BS EN 12350-1	Testing fresh concrete: Sampling and Common apparatus
BS EN 12350-2	Testing fresh concrete: Slump Test
BS EN 12350-6	Testing fresh concrete: Density
BS EN 12350-7	Testing fresh concrete: Air Content - Pressure Methods
BS EN 12350-8	Testing fresh concrete Self-compacting concrete. Slump-flow test
BS EN 12390-3:2019	Compressive strength of test specimen
NT-Build-443	Concrete, hardened_Accelerated chloride penetration (Chloride Diffusion)
<b>Cement and Cementitious Additives</b>	
ASTM C109/C109M	Standard Test Method for Compressive Strength of Hydraulic Cement Mortars (Using 2-in. or [50-mm] Cube Specimens)

TL-1353

Advanced Construction Technology Services (ACTS) - Tabuk Branch

Effective Date June 21, 2025

Page 3 of 6

IAS/TL/100-1



# SCOPE OF ACCREDITATION

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ASTM D4541	Standard Test Method for Pull-Off Strength of Coatings Using Portable Adhesion Testers
ASTM D7234	Standard Test Method for Pull-Off Adhesion Strength of Coatings on Concrete Using Portable Pull-Off Adhesion Testers
<b>Soil</b>	
ASTM D422	Standard Test Method for Particle-Size Analysis of Soils
ASTM D698	Standard Test Methods for Laboratory Compaction Characteristics of Soil Using Standard Effort (12,400 ft-lbf/ft <sup>3</sup> (600 kN-m/m <sup>3</sup> ))
ASTM D854	Standard Test Methods for Specific Gravity of Soil Solids by Water Pycnometer (Withdrawn 2023)
ASTM D1140	Standard Test Methods for Determining the Amount of Material Finer than 75-
ASTM D1195	Standard Test Method for Repetitive Static Plate Tests of Soils and Flexible Pavement Components for Use in Evaluation and Design of Airport and Highway Pavements
ASTM D1196	Standard Test Method for Nonrepetitive Static Plate Load Tests of Soils and Flexible Pavement Components, for Use in Evaluation and Design of Airport and Highway Pavements
ASTM D1556	Standard Test Method for Density and Unit Weight of Soil in Place by Sand-Cone Method
ASTM D1557	Standard Test Methods for Laboratory Compaction Characteristics of Soil Using Modified Effort (56,000 ft-lbf/ft <sup>3</sup> (2,700 kN-m/m <sup>3</sup> ))
ASTM D1883	Standard Test Method for California Bearing Ratio (CBR) of Laboratory-Compacted Soil
ASTM D2216	Standard Test Methods for Laboratory Determination of Water (Moisture) Content of Soil and Rock by Mass
ASTM D2419	Standard Test Method for Sand Equivalent Value of Soils and Fine Aggregate
ASTM D2487	Standard Practice for Classification of Soils for Engineering Purposes (Unified Soil Classification System)
ASTM D3282	Standard Practice for Classification of Soils and Soil-Aggregate Mixtures for Highway Construction Purposes
ASTM D4254	Standard Test Methods for Minimum Index Density and Unit Weight of Soils and Calculation of Relative Density
ASTM D4318	Standard Test Methods for Liquid Limit, Plastic Limit, and Plasticity Index of Soils
ASTM D5030	Standard Test Methods for Density of In-Place Soil and Rock Materials by the Water Replacement Method in a Test Pit

**TL-1353**

**Advanced Construction Technology Services (ACTS) - Tabuk Branch**

Effective Date June 21, 2025

**Page 4 of 6**

IAS/TL/100-1



# SCOPE OF ACCREDITATION

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ASTM D6913	Particle Size Analysis (Sieving Method)
ASTM D7928	Standard Test Method for Particle-Size Distribution (Gradation) of Fine Grained Soils Using the Sedimentation (Hydrometer) Analysis
BS 1377 Part 9	Plate Bearing Test
DIN 18134	Testing procedures and testing equipment-Plate load test
<b>Aggregate</b>	
ASTM C29	Standard Test Method for Bulk Density ("Unit Weight") and Voids in Aggregate
ASTM C88	Standard Test Method for Soundness of Aggregates by Use of Sodium Sulfate or Magnesium Sulfate
ASTM C117	Standard Test Method for Materials Finer than 75- $\mu$ m (No. 200) Sieve in Mineral
ASTM C127	Standard Test Method for Relative Density (Specific Gravity) and Absorption of Coarse Aggregate
ASTM C128	Standard Test Method for Relative Density (Specific Gravity) and Absorption of Fine Aggregate
ASTM C131	Standard Test Method for Resistance to Degradation of Small-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine
ASTM C136	Standard Test Method for Sieve Analysis of Fine and Coarse Aggregates
ASTM C142	Standard Test Method for Clay Lumps and Friable Particles in Aggregates
ASTM C535	Standard Test Method for Resistance to Degradation of Large-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine
ASTM C702	Standard Practice for Reducing Samples of Aggregate to Testing Size
ASTM C1252	Standard Test Methods for Uncompacted Void Content of Fine Aggregate (as Influenced by Particle Shape, Surface Texture, and Grading)
ASTM D75	Standard Practice for Sampling Aggregates
ASTM D2419	Standard Test Method for Sand Equivalent Value of Soils and Fine Aggregate
ASTM D4791	Standard Test Method for Flat Particles, Elongated Particles, or Flat and Elongated Particles in Coarse Aggregate
ASTM D5821	Standard Test Method for Determining the Percentage of Fractured Particles in Coarse Aggregate
BS 812 Part 105.1	Testing aggregates - Methods for determination of particle shape - Flakiness index of coarse aggregate
BS 812 Part 105.2	Testing aggregates -Methods for determination of particle shape - Elongation index of coarse aggregate

**TL-1353**

**Advanced Construction Technology Services (ACTS) - Tabuk Branch**

Effective Date June 21, 2025

**Page 5 of 6**

IAS/TL/100-1





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BS 812-106	Testing Aggregates. Method for Determination of Shell Content in Coarse Aggregate
BS 812-110	Methods for determination of aggregate crushing value (ACV)
BS 812-111	Testing aggregates Methods for determination of ten per cent fines value (TFV)
BS EN 933-1	Tests for geometrical properties of aggregates Determination of particle size distribution. Sieving method
BS EN 933-3	Tests for geometrical properties of aggregates. Determination of particle shape. Flakiness index
BS EN 933-7	Determination of shell content Percentage of shells in coarse aggregates
BS EN 1097-2	Methods for the determination of resistance to fragmentation
BS EN 1097-6	Determination of particle density and water absorption
<b>Non-Destructive Testing (NDT)</b>	
ASTM D6132	Standard Test Method for Nondestructive Measurement of Dry Film Thickness of Applied Organic Coatings Using an Ultrasonic Coating Thickness Gage
<b>Concrete Masonry Units</b>	
ASTM C140	Standard Test Methods for Sampling and Testing Concrete Masonry Units and Related Units
ASTM C936	Standard Specification for Solid Concrete Interlocking Paving Units
<b>Air Leakage</b>	
<b>Geotechnical &amp; Rock Testing</b>	
ASTM D3967	Standard Test Method for Splitting Tensile Strength of Intact Rock Core Specimens)
ASTM D4543	Standard Practices for Preparing Rock Core as Cylindrical Test Specimens and Verifying Conformance to Dimensional and Shape Tolerances
ASTM D5731	Standard Test Method for Determination of the Point Load Strength Index of Rock and Application to Rock Strength Classifications
ASTM D7012	Standard Test Methods for Compressive Strength and Elastic Moduli of Intact Rock Core Specimens under Varying States of Stress and Temperature
BS 5930:2015+A1 2020	Description & Classification of Soil & Rock material- Code of practice for ground investigation

TL-1353

Advanced Construction Technology Services (ACTS) - Tabuk Branch

Effective Date June 21, 2025

Page 6 of 6

IAS/TL/100-1

