



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017<sup>1</sup>

ELEMENT SAUDI ARABIA COMPANY LIMITED  
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CONSTRUCTION MATERIALS

Valid To: February 28, 2025

Certificate Number: 5669.11

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory at the location listed above as well as the one satellite location listed below to perform the following tests on Construction Materials:

<b>Test(s):</b>	<b>Test Method(s):</b>
<b><u>Aggregates</u></b>	
Standard Practice of Sampling Aggregates	ASTM D75 <sup>2</sup>
Soundness of Aggregates	ASTM C88/C88M; BS EN 1367-2
Materials Finer than 75- $\mu$ m (No. 200) Sieve in Mineral Aggregates by Washing	ASTM C117
Relative Density (Specific Gravity) and Absorption of Coarse Aggregate	ASTM C127
Relative Density (Specific Gravity) and Absorption of Fine Aggregate	ASTM C128
Resistance to Degradation of Small-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	ASTM C131/C131M
Sieve Analysis of Fine and Coarse Aggregates	ASTM C136/C136M
Clay Lumps and Friable Particles in Aggregates	ASTM C142/C142M
Resistance to Degradation of Large-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	ASTM C535
Total Evaporable Moisture Content of Aggregate by Drying	ASTM C566
Reducing Samples of Aggregate to Testing Size	ASTM C702/C702M
Flakiness Index	BS 812-105.1; BS EN 933-3
Elongation	BS 812-105.2
Ten Per Cent Fines Value – Dry – Particle Size 10mm and Greater	BS 812-111

<b>Test(s):</b>	<b>Test Method(s):</b>
Aggregate Impact Value	BS 812 Part 112
Percentage of Shell in Coarse Aggregate	BS EN 933-7
Resistance of Fragmentation by Impact in the Los Angeles Machine	BS EN 1097-2
<b><u>Armourstone</u></b>	
Average Mass Density and Absorption	BS EN 13383-2
<b><u>Natural Stone</u></b>	
Compressive Strength	BS EN 1926
<b><u>Bitumen</u></b>	
Penetration of Bituminous Materials	ASTM D5/D5M
Softening Point of Bitumen (Ring-and-Ball Apparatus)	ASTM D36/D36M
<b><u>Bituminous Materials</u></b>	
Resistance of Plastic Flow of Bituminous Mixtures Using Marshall Apparatus	ASTM D1559
Theoretical Maximum Specific Gravity and Density of Asphalt Mixtures	ASTM D2041/D2041M
Quantitative Extraction of Asphalt Binder from Asphalt Mixtures	ASTM D2172/D2172M
Bulk Specific Gravity and Density of Non-Absorptive Compacted Asphalt Mixtures	ASTM D2726/D2726M
Thickness or Height of Compacted Asphalt Mixture Specimens	ASTM D3549/3549M
Mechanical Size Analysis of Extracted Aggregate	ASTM D5444
Preparation of Asphalt Mixture Specimens Using Marshall Apparatus	ASTM D6926
Marshall Stability and Flow of Asphalt Mixtures	ASTM D6927
<b><u>Concrete - Hardened</u></b>	
Compressive Strength of Cylindrical Concrete Specimens	ASTM C39/C39M
Obtaining and Testing Drilled Cores and Sawed Beams of Concrete	ASTM C42/C42M <sup>2</sup>
Flexural Strength of Concrete (Using Simple Beam with Third-Point Loading)	ASTM C78
Compressive Strength of Hydraulic Cement Mortars (Using 2-in. or [50 mm] Cube Specimens)	ASTM C109/C109M
Time of Setting of Concrete Mixtures by Penetration Resistance	ASTM C403/C403M
Mixing Rooms, Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the Testing of Hydraulic Cements and Concretes	ASTM C511
<b>Test(s):</b>	<b>Test Method(s):</b>

<b>Concrete – Hardened (Continued)</b>	
Capping Cylindrical Concrete Specimens	ASTM C617/C617M
Rebound Number of Hardened Concrete	ASTM C805/C805M
Electrical Indication of Concrete’s Ability to Resist Chloride Ion Penetration	ASTM C1202
Use of Unbonded Caps in Determination of Compressive Strength of Hardened Cylindrical Concrete Specimens	ASTM C1231
Chloride Migration Coefficient	BS 1881-114
Density	BS 1881-111; BS 1881-116
Compressive Strength of Cubes – Including Curing	BS 1881-122
Water Absorption	BS EN 12390-8
Water Permeability	DIN 1048
Depth of Penetration of Water Under Pressure	NT Build 492
<b>Concrete - Fresh</b>	
Making and Curing Concrete Test Specimens in the Field	ASTM C31/C31M <sup>2</sup>
Slump of Hydraulic-Cement Concrete	ASTM C143/C143M <sup>2</sup>
Air Content of Freshly Mixed Concrete by the Pressure Method	ASTM C231/C231M <sup>2</sup>
Density (Unit Weight), Yield, and Air Content (Gravimetric) of Concrete	ASTM C138/C138M <sup>2</sup>
Sampling Freshly Mixed Concrete	ASTM C172 <sup>2</sup>
Making and Curing Concrete Test Specimens in the Laboratory	ASTM C192/C192M
Length Change of Hardened Hydraulic-Cement Mortar and Concrete	ASTM C157/C157M
Temperature of Freshly Mixed Hydraulic-Cement Concrete	ASTM C1064/C1064M <sup>2</sup>
<b>Soils</b>	
Moisture–Density Relations of Soils Using a 4.54-kg (10-lb) Rammer and a 457-mm (18-in.) Drop	AASHTO T 180
Determining In-Place Density and Moisture Content of Soil and Soil-Aggregate Using Complex Impedance Methodology	AASHTO T 399 <sup>2</sup>
Particle Size Analysis of Soils	ASTM D422
Laboratory Compaction Characteristics of Soil Using Standard Effort (12,400 ft-lbf/ft <sup>3</sup> (600 kN-m/m <sup>3</sup> ))	ASTM D698
Specific Gravity of Soil Solids by Water Pycnometer	ASTM D854
Determining the Amount of Material Finer than 75-µm (No. 200) Sieve in Soils by Washing	ASTM D1140
<b>Test(s):</b>	<b>Test Method(s):</b>



Repetitive Static Plate Load Tests of Soils and Flexible Pavement Components, for Use in Evaluation and Design of Airport and Highway Pavements	ASTM D1195
Density and Unit Weight of Soil in Place by Sand-Cone Method	ASTM D1556/D1556M <sup>2</sup>
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 D1557
California Bearing Ratio (CBR) of Laboratory-Compacted Soils	ASTM D1883
Laboratory Determination of Water (Moisture) Content of Soil and Rock by Mass	ASTM D2216
Sand Equivalent Value of Soils and Fine Aggregate	ASTM D2419
Classification of Soils for Engineering Purposes (Unified Soil Classification System)	ASTM D2487
Maximum Index Density and Unit Weight of Soils Using a Vibratory Table	ASTM D4253
Minimum Index Density and Unit Weight of Soils and Calculation of Relative Density	ASTM D4254
Liquid Limit, Plastic Limit, and Plasticity Index of Soils	ASTM D4318
Particle-Size Distribution (Gradation) of Soils Using Sieve Analysis	ASTM D6913
In-Place Density and Water Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)	ASTM D6938 <sup>2</sup>

<sup>1</sup> This accreditation covers testing performed at the main laboratory, as well as the satellite laboratories listed below.

ELEMENT SAUDI ARABIA COMPANY LIMITED  
Batching Plant Area, Neom Community 2, Sharma  
Tabuk, Kingdom of Saudi Arabia

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Testing Aggregates. Methods For Determination of Particle Shape. Flakiness Index	BS 812-105.1
Testing Aggregates. Methods For Determination of Particle Shape. Elongation Index of Coarse Aggregate	BS 812-105.2
<b><u>Bituminous Materials</u></b>	
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Liquid Limit, Plastic Limit, and Plasticity Index of Soils	ASTM D4318
Particle-Size Distribution (Gradation) of Soils Using Sieve Analysis	ASTM D6913/D6913M

<sup>2</sup> This accreditation covers testing performed in the field.



# Accredited Laboratory

A2LA has accredited

## ELEMENT SAUDI ARABIA COMPANY LIMITED

*Dammam, Saudi Arabia*

for technical competence in the field of

### Construction Materials Testing

This laboratory is accredited in accordance with the recognized 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 and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated April 2017).



Presented this 13<sup>th</sup> day of April 2023.

A blue ink signature of Mr. Trace McInturff, written in a cursive style.

Mr. Trace McInturff, Vice President, Accreditation Services  
For the Accreditation Council  
Certificate Number 5669.11  
Valid to February 28, 2025

*For the tests to which this accreditation applies, please refer to the laboratory's Construction Materials Scope of Accreditation.*