To apply for A2LA accreditation under the construction materials field of testing, each applicant is required to identify the engineering standard/agency specification for which accreditation is sought on Table-A below. In addition, each applicant is required to identify the test type/test technology and associated test method(s) for which accreditation is sought on table-B below. This will ensure that an assessor’s technical expertise is correctly matched to the testing that your laboratory performs and enables A2LA staff to generate the desired draft Scope of Accreditation.

Refer to the example proposed scope of accreditation (0000.01) on the next page for reference when entering the required information in tables A and B. Submission via electronic means is preferred.

**Table-A (Example)**

|  |
| --- |
| CONSTRUCTION MATERIALS ENGINEERING |
| ASTM C1077 | [Laboratories Testing Concrete and Concrete Aggregates for Use in Construction and Criteria for Laboratory Evaluation](http://www.astm.org/Standards/C1077.htm)  |
| ASTM D3666 | [Minimum Requirements for Agencies Testing and Inspecting Road and Paving Materials](http://www.astm.org/Standards/D3666.htm)  |
| ASTM D3740 | [Minimum Requirements for Agencies Engaged in Testing and/or Inspection of Soil and Rock as Used in Engineering Design and Construction](http://www.astm.org/Standards/D3740.htm)  |
| ASTM E329 | [Agencies Engaged in Construction Inspection and/or Testing](http://www.astm.org/Standards/E329.htm)  |
| ASTM E543 | [Agencies Performing Nondestructive Testing](http://www.astm.org/Standards/E543.htm)  |

**Table-B (Example)**

|  |
| --- |
| CONSTRUCTION MATERIALS TESTING |
| Test Method: | Test Type/Technology: |
| Concrete: |  |
| ASTM C31 | Making & Curing Concrete Test Specimens in the Field |
| ASTM C39\* | Compressive Strength of Cylindrical Concrete Specimens |
| ASTM C143\* | Slump of Hydraulic Cement Concrete |
| ASTM C231 | Air Content of Freshly Mixed Concrete by the Pressure Method |
|  |  |
|  |  |
|  |  |
| **\*\* Please attach sheet(s) for additional tests \*\*** |  |
| Aggregate: |  |
| ASTM C29 | Unit Weight & Voids in Aggregate for Concrete |
| ASTM C117\* | Material Finer than 0.075 mm Sieve in Min. Aggregates by Washing |
| ASTM C136\* | Sieve Analysis of Fine and Coarse Aggregate |
| ASTM D75 | Sampling Aggregates |
|  |  |
|  |  |
| **\*\* Please attach sheet(s) for additional tests \*\*** |  |
| Soils: |  |
| ASTM D421 | Dry Preparation of Soil Samples for Particle Size Analysis & Determination of Soil Constants |
| ASTM D422\* | Particle-Size Analysis of Soils |
| ASTM D854\* | Specific Gravity of Soils |
|  |  |
|  |  |
| **\*\* Please attach sheet(s) for additional tests \*\*** |  |
| Bituminous: |  |
| ASTM D1188 | Bulk Spec. Gravity & Density of Compacted Bituminous Mixtures Using Paraffin-Coated Specimens |
| ASTM D2170\* | Kinematic Viscosity of Asphalts |
| ASTM D5444\* | Mechanical Size Analysis of Extracted Aggregate |
|  |  |
|  |  |
| **\*\* Please attach sheet(s) for additional tests \*\*** |  |
| Steel (Field & Shop) \*: |  |
| ASTM A370 | Mechanical Tests for Steel Products |
|  |  |
|  |  |
| **\*\* Please attach sheet(s) for additional tests \*\*** |  |
| Nondestructive: |  |
| ASTM E164 | Ultrasonic Contact Examination of Weldments |
|  |  |
|  |  |
| **\*\* Please attach sheet(s) for additional tests \*\*** |  |
| Unit Masonry: |  |
| ASTM C109\* | Compressive Strength of Hydraulic Cement Mortars (Compression Only) |
|  |  |
|  |  |
| **\*\* Please attach sheet(s) for additional tests \*\*** |  |
| Cement: |  |
| ASTM C109\* | Compressive Strength of Hydraulic Cement Mortars |
|  |  |
|  |  |
| **\*\* Please attach sheet(s) for additional tests \*\*** |  |
| Fireproofing: |  |
| ASTM: E605\* | [Thickness and Density of Sprayed Fire-Resistive Material (SFRM) Applied to Structural Members](http://www.astm.org/Standards/E605.htm)  |
|  |  |
| **\*\* Please attach sheet(s) for additional tests \*\*** |  |
| Roofing: |  |
| ASTM D1863 | Mineral Aggregate Used on Built-Up Roofs |
|  |  |
| **\*\* Please attach sheet(s) for additional tests \*\*** |  |
| \* This laboratory performs field testing activities for these tests. |

# *PROPOSED SCOPE OF ACCREDITATION*

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

SCOPE EXAMPLE LABORATORY

***List the engineering standard/agency specification that the laboratory is seeking accreditation for.***

12345 Main Street

Frederick, MD 21704

John Doe Phone: 555 555 5555

Valid To: August 6, 2010 Certificate Number: 0000.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted for:

|  |
| --- |
| CONSTRUCTION MATERIALS ENGINEERING |
| ASTM C1077 | [Laboratories Testing Concrete and Concrete Aggregates for Use in Construction and Criteria for Laboratory Evaluation](http://www.astm.org/Standards/C1077.htm)  |
| ASTM D3666 | [Minimum Requirements for Agencies Testing and Inspecting Road and Paving Materials](http://www.astm.org/Standards/D3666.htm)  |
| ASTM D3740 | [Minimum Requirements for Agencies Engaged in Testing and/or Inspection of Soil and Rock as Used in Engineering Design and Construction](http://www.astm.org/Standards/D3740.htm)  |
| ASTM E329 | [Agencies Engaged in Construction Inspection and/or Testing](http://www.astm.org/Standards/E329.htm)  |
| ASTM E543 | [Agencies Performing Nondestructive Testing](http://www.astm.org/Standards/E543.htm) ***List the associated standard test method(s) and the test type/technology that the laboratory is seeking accreditation for.*** |

|  |
| --- |
| CONSTRUCTION MATERIALS TESTING |
| Test Method: | Test Type/Technology: |
| Concrete: |  |
| ASTM C31 | Making & Curing Concrete Test Specimens in the Field |
| ASTM C39\* | Compressive Strength of Cylindrical Concrete Specimens |
| ASTM C143\* | Slump of Hydraulic Cement Concrete |
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| ASTM C29 | Unit Weight & Voids in Aggregate for Concrete |
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| ASTM C136\* | Sieve Analysis of Fine and Coarse Aggregate |
| ASTM D75 | Sampling Aggregates |
|  |  |
| Soils: |  |
| ASTM D421 | Dry Preparation of Soil Samples for Particle Size Analysis &Determination of Soil Constants |
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|  |  |
| Bituminous: |  |
| ASTM D1188 | Bulk Spec. Gravity & Density of Compacted Bituminous Mixtures Using Paraffin-Coated Specimens |
| ASTM D2170\* | Kinematic Viscosity of Asphalts |
| ASTM D5444\* | Mechanical Size Analysis of Extracted Aggregate |
|  |  |
| Steel (Field & Shop)\*: |  |
| ASTM A370 | Mechanical Tests for Steel Products |
|  |  |
| Nondestructive: |  |
| ASTM E164 | Ultrasonic Contact Examination of Weldments |
|  |  |
| Unit Masonry: |  |
| ASTM C109\* | Compressive Strength of Hydraulic Cement Mortars (Compression Only) |
|  |  |
| Cement: |  |
| ASTM C109\* | Compressive Strength of Hydraulic Cement Mortars |
|  |  |
| Fireproofing: |  |
| ASTM: E605\* | [Thickness and Density of Sprayed Fire-Resistive Material (SFRM) Applied to Structural Members](http://www.astm.org/Standards/E605.htm)  |
|  |  |
| Roofing: |  |
| ASTM D1863 | Mineral Aggregate Used on Built-Up Roofs |
|  |  |
| This laboratory performs field testing activities for these tests. |

**DOCUMENT REVISION HISTORY**

|  |  |
| --- | --- |
| **Date** | **Revision** |
| 11/23/2022 | * Removed reference to R104 document and updated to correct field testing footnote**.**
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