



CERTIFICATE OF ACCREDITATION



Froehling & Robertson, Incorporated

in

Greenville, South Carolina, USA

has demonstrated proficiency for the testing of construction materials and has conformed to the requirements established in AASHTO R 18 and the AASHTO Accreditation policies established by the AASHTO Committee on Materials and Pavements.

The scope of accreditation can be viewed on the Directory of AASHTO Accredited Laboratories (aashtoresource.org).

A handwritten signature in black ink, appearing to read 'Jim Tymon', written over a horizontal line.

Jim Tymon,
AASHTO Executive Director

A handwritten signature in black ink, appearing to read 'Moe Jamshidi', written over a horizontal line.

Moe Jamshidi,
AASHTO COMP Chair

This certificate was generated on 08/06/2020 at 9:14 AM Eastern Time. Please confirm the current accreditation status of this laboratory at aashtoresource.org/aap/accreditation-directory



SCOPE OF AASHTO ACCREDITATION FOR:

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Quality Management System

Standard:

Accredited Since:

R18	Establishing and Implementing a Quality System for Construction Materials Testing Laboratories	12/01/1997
ISO/IEC 17025 (SFRM)	General Requirements for the Competence of Testing and Calibration Laboratories (limited scope)	12/21/2016
C1077 (Aggregate)	Laboratories Testing Concrete and Concrete Aggregates	06/09/2015
C1077 (Concrete)	Laboratories Testing Concrete and Concrete Aggregates	06/09/2015
D3666 (Aggregate)	Minimum Requirements for Agencies Testing and Inspecting Road and Paving Materials	02/02/2018
D3666 (Asphalt Mixture)	Minimum Requirements for Agencies Testing and Inspecting Road and Paving Materials	06/09/2015
D3740 (Soil)	Minimum Requirements for Agencies Engaged in Testing and/or Inspection of Soil and Rock as Used in Engineering Design and Construction	06/09/2015
E329 (Aggregate)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	06/09/2015
E329 (Asphalt Mixture)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	06/09/2015
E329 (Concrete)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	06/09/2015
E329 (Soil)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	06/09/2015
E329 (Sprayed Fire-Resistive Material)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	02/02/2018



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Asphalt Mixture

Standard:

Accredited Since:

D2726 (Cores)	Bulk Specific Gravity of Compacted Hot Mix Asphalt Using Saturated Surface-Dry Specimens (Cores)	02/02/2016
D5444	Mechanical Analysis of Extracted Aggregate	12/01/1997
D6307	Determining the Asphalt Content of Hot Mix Asphalt (HMA) by the Ignition Method	12/01/1997



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Soil

Standard:

Accredited Since:

D421 Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test	02/15/2001
D422 Particle Size Analysis of Soils by Hydrometer	02/15/2001
D558 Moisture-Density Relations of Soil-Cement Mixtures	09/18/2013
D698 The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop	02/15/2001
D1140 Amount of Material in Soils Finer than the No. 200 (75- μ m) Sieve	02/15/2001
D1557 Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop	02/15/2001
D1883 The California Bearing Ratio	02/15/2001
D2216 Laboratory Determination of Moisture Content of Soils	02/15/2001
D2487 Classification of Soils for Engineering Purposes (Unified Soil Classification System)	02/15/2001
D2488 Description and Identification of Soils (Visual-Manual Procedure)	02/15/2001
D2974 Determination of Organic Content in Soils by Loss on Ignition	02/02/2018
D4318 Determining the Liquid Limit of Soils (Atterberg Limits)	02/15/2001
D4318 Plastic Limit of Soils (Atterberg Limits)	02/15/2001
D6938 In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)	02/15/2001



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Aggregate

Standard:

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C29 Bulk Density ("Unit Weight") and Voids in Aggregate	12/01/1997
C117 Materials Finer Than 75- μ m (No. 200) Sieve in Mineral Aggregates by Washing	12/01/1997
C127 Specific Gravity and Absorption of Coarse Aggregate	12/01/1997
C128 Specific Gravity (Relative Density) and Absorption of Fine Aggregate	12/01/1997
C136 Sieve Analysis of Fine and Coarse Aggregates	12/01/1997
C566 Total Moisture Content of Aggregate by Drying	12/01/1997
C702 Reducing Samples of Aggregate to Testing Size	12/01/1997



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Sprayed Fire-Resistive Material

Standard:

Accredited Since:

E605 Thickness and Density of Sprayed Fire-Resistive Material(SFRM) Applied to Structural Members

11/03/2016

E736 Cohesion/Adhesion of Sprayed Fire-Resistive Materials Applied to Structural Members

11/03/2016



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Concrete

Standard:		Accredited Since:
C31	Making and Curing Concrete Test Specimens in the Field	12/01/1997
C39	Compressive Strength of Cylindrical Concrete Specimens	12/01/1997
C78	Flexural Strength of Concrete (Using Simple Beam with Third-Point Loading)	12/01/1997
C138	Density (Unit Weight), Yield, and Air Content of Concrete	12/01/1997
C143	Slump of Hydraulic Cement Concrete	12/01/1997
C172	Sampling Freshly Mixed Concrete	12/01/1997
C173	Air Content of Freshly Mixed Concrete by the Volumetric Method	12/01/1997
C192	Making and Curing Concrete Test Specimens in the Laboratory	02/20/2019
C231	Air Content of Freshly Mixed Concrete by the Pressure Method	12/01/1997
C511	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	06/02/2014
C617 (7000 psi and below)	Capping Cylindrical Concrete Specimens	11/01/2011
C1064	Temperature of Freshly Mixed Portland Cement Concrete	12/01/1997
C1231 (7000 psi and below)	Use of Unbonded Caps in Determination of Compressive Strength of Hardened Concrete Cylinders	11/01/2011