



CERTIFICATE OF ACCREDITATION



Tectonic Engineering Consultants, Geologists & Land Surveyors, D.P.C.

in

Newburgh, New York, 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).



Jim Tymon,
AASHTO Executive Director



Matt Linneman
AASHTO COMP Chair



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Quality Management System

Standard:

Accredited Since:

R18	Establishing and Implementing a Quality System for Construction Materials Testing Laboratories	04/14/2011
C1077 (Concrete)	Laboratories Testing Concrete and Concrete Aggregates	01/10/2011
C1093 (Masonry)	Accreditation of Testing Agencies for Unit Masonry	09/29/2011
D3740 (Soil)	Minimum Requirements for Agencies Engaged in Testing and/or Inspection of Soil and Rock as Used in Engineering Design and Construction	03/13/2013
E329 (Concrete)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	01/10/2011
E329 (Masonry)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	02/12/2019
E329 (Soil)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	03/13/2013
E329 (Sprayed Fire-Resistive Material)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	02/09/2018



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Soil

Standard:

Accredited Since:

R58	Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test	02/15/2001
T89	Determining the Liquid Limit of Soils (Atterberg Limits)	02/15/2001
T90	Plastic Limit of Soils (Atterberg Limits)	02/15/2001
T99	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
T100	Specific Gravity of Soils	02/15/2001
T180	Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop	02/15/2001
T265	Laboratory Determination of Moisture Content of Soils	02/15/2001
T267	Determination of Organic Content in Soils by Loss on Ignition	03/13/2013
T310	In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)	03/13/2013
D421	Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test	02/15/2001
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
D854	Specific Gravity of Soils	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
D2216	Laboratory Determination of Moisture Content of Soils	02/15/2001
D2487	Classification of Soils for Engineering Purposes (Unified Soil Classification System)	03/13/2013
D2488	Description and Identification of Soils (Visual-Manual Procedure)	03/13/2013
D2974	Determination of Organic Content in Soils by Loss on Ignition	03/13/2013
D4318	Determining the Liquid Limit of Soils (Atterberg Limits)	02/15/2001
D4318	Plastic Limit of Soils (Atterberg Limits)	09/21/2015
D4972	pH Testing of Soils	03/13/2013
D6913	Particle-Size Distribution (Gradation) of Soils Using Sieve Analysis	03/13/2013
D6938	In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)	03/13/2013



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Rock

Standard:

D5731 Point Load Strength Index of Rock

Accredited Since:

03/13/2013



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Aggregate

Standard:**Accredited Since:**

C40 Organic Impurities in Fine Aggregates for Concrete	04/15/1997
C566 Total Moisture Content of Aggregate by Drying	04/15/1997
C702 Reducing Samples of Aggregate to Testing Size	04/15/1997



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Sprayed Fire-Resistive Material

Standard:

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

Accredited Since:

02/17/2011

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

03/13/2013



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Concrete

Standard:

Accredited Since:

C31 (Beams)	Making and Curing Concrete Test Specimens in the Field	04/15/1997
C31 (Cylinders)	Making and Curing Concrete Test Specimens in the Field	04/15/1997
C39	Compressive Strength of Cylindrical Concrete Specimens	04/15/1997
C42 (Testing Drilled Cores of Concrete)	Testing Drilled Cores of Concrete	04/15/1997
C78	Flexural Strength of Concrete (Using Simple Beam with Third-Point Loading)	04/15/1997
C138	Density (Unit Weight), Yield, and Air Content of Concrete	04/15/1997
C143	Slump of Hydraulic Cement Concrete	04/15/1997
C172	Sampling Freshly Mixed Concrete	04/15/1997
C173	Air Content of Freshly Mixed Concrete by the Volumetric Method	04/15/1997
C192	Making and Curing Concrete Test Specimens in the Laboratory	03/12/2014
C231	Air Content of Freshly Mixed Concrete by the Pressure Method	04/15/1997
C511	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	09/29/2011
C617 (6000 psi and below)	Capping Cylindrical Concrete Specimens	10/07/2025
C803	Penetration Resistance of Hardened Concrete	03/12/2014
C805	Rebound Number of Hardened Concrete	03/12/2014
C1064	Temperature of Freshly Mixed Portland Cement Concrete	04/15/1997
C1140 (Obtaining and Testing Specimens)	Preparing and Testing Specimens from Shotcrete Test Panels	09/29/2011
C1231 (7000 psi and below)	Use of Unbonded Caps in Determination of Compressive Strength of Hardened Concrete Cylinders	09/29/2011
C1542	Measuring Length of Concrete Cores	03/09/2022



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Masonry

Standard:

Accredited Since:

C511	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	11/08/2016
C780 (Annex 1)	Preconstruction and Construction Evaluation of Mortars for Plain and Reinforced Unit Masonry - Consistency by Cone Penetration	02/12/2019
C780 (Annex 6 - Cubes)	Preconstruction and Construction Evaluation of Mortars for Plain and Reinforced Unit Masonry - Compressive Strength of Cubes	03/12/2014
C1019	Sampling and Testing Grout	12/29/2016
C1314 (Prisms Constructed of Reduced-Size Concrete Masonry Units)	Compressive Strength of Masonry Prisms	10/07/2025
C1552	Capping Concrete Masonry Units, Related Units and Masonry Prisms for Compression Testing	09/29/2011