



CERTIFICATE OF ACCREDITATION



Material TEC, LLC

in

Lawrenceville, Georgia, 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', is written over a horizontal line.

Jim Tymon,
AASHTO Executive Director

A handwritten signature in black ink, appearing to read 'Matt Linneman', is written over a horizontal line.

Matt Linneman,
AASHTO COMP Chair

This certificate was generated on 10/16/2025 at 12:23 PM Eastern Time. Please confirm the current accreditation status of this laboratory at aashtoresource.org/aap/accreditation-directory



SCOPE OF AASHTO ACCREDITATION FOR:

Material TEC, LLC

in Lawrenceville, Georgia, USA

Quality Management System

Standard:

Accredited Since:

R18	Establishing and Implementing a Quality System for Construction Materials Testing Laboratories	10/07/2025
C1077 (Aggregate)	Laboratories Testing Concrete and Concrete Aggregates	10/07/2025
C1077 (Concrete)	Laboratories Testing Concrete and Concrete Aggregates	10/07/2025
C1222 (Cement)	Evaluation of Laboratories Testing Hydraulic Cement	10/07/2025
E329 (Aggregate)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	10/07/2025
E329 (Concrete)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	10/07/2025



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Aggregate

Standard:

Accredited Since:

C29	Bulk Density ("Unit Weight") and Voids in Aggregate	10/07/2025
C40	Organic Impurities in Fine Aggregates for Concrete	10/07/2025
C88	Soundness of Aggregate by Use of Sodium Sulfate or Magnesium Sulfate	10/07/2025
C117	Materials Finer Than 75-µm (No. 200) Sieve in Mineral Aggregates by Washing	10/07/2025
C127	Specific Gravity and Absorption of Coarse Aggregate	10/07/2025
C128	Specific Gravity (Relative Density) and Absorption of Fine Aggregate	10/07/2025
C136	Sieve Analysis of Fine and Coarse Aggregates	10/07/2025
C566	Total Moisture Content of Aggregate by Drying	10/07/2025
C702	Reducing Samples of Aggregate to Testing Size	10/07/2025
D2419	Plastic Fines in Graded Aggregates and Soils by Use of the Sand Equivalent Test	10/07/2025
D4791	Flat Particles, Elongated Particles, or Flat and Elongated Particles in Coarse Aggregate	10/07/2025



SCOPE OF AASHTO ACCREDITATION FOR:

Material TEC, LLC

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Cementitious Material - Chemical Tests

Standard:

Accredited Since:

C114 Aluminum Oxide – X-Ray Fluorescence	10/16/2025
C114 Calcium Oxide – X-Ray Fluorescence	10/16/2025
C114 Carbon Dioxide – X-Ray Fluorescence	10/16/2025
C114 Chloride – X-Ray Fluorescence	10/16/2025
C114 Ferric Oxide – X-Ray Fluorescence	10/16/2025
C114 Insoluble Residue – Reference	10/16/2025
C114 Loss on Ignition – Reference	10/16/2025
C114 Magnesium Oxide – X-Ray Fluorescence	10/16/2025
C114 Manganic Oxide – X-Ray Fluorescence	10/16/2025
C114 Phosphorus Pentoxide – X-Ray Fluorescence	10/16/2025
C114 Potassium Oxide – X-Ray Fluorescence	10/16/2025
C114 Silicon Dioxide – X-Ray Fluorescence	10/16/2025
C114 Sodium Oxide – X-Ray Fluorescence	10/16/2025
C114 Sulfur Trioxide – X-Ray Fluorescence	10/16/2025
C114 Titanium Dioxide – X-Ray Fluorescence	10/16/2025
C114 Zinc Oxide – X-Ray Fluorescence	10/16/2025



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Cement - Physical Tests

Standard:

Accredited Since:

C109	Compressive Strength of Hydraulic Cement Mortars (Using 2-in. Cube Specimens)	10/07/2025
C114 (Loss on Ignition - Reference)	Loss on Ignition – Reference	10/07/2025
C151	Autoclave Expansion of Hydraulic Cement	10/07/2025
C183	Sampling and the Amount of Testing of Hydraulic Cement	10/07/2025
C185	Air Content of Hydraulic Cement Mortar	10/07/2025
C187	Normal Consistency of Hydraulic Cement	10/07/2025
C188	Density of Hydraulic Cement	10/07/2025
C191	Time of Setting of Hydraulic Cement by Vicat Needle	10/07/2025
C204	Fineness of Hydraulic Cement by Air Permeability Apparatus	10/07/2025
C266	Time of Setting of Hydraulic-Cement Paste by Gillmore Needles	10/07/2025
C305	Mechanical Mixing of Hydraulic Cement Pastes and Mortars of Plastic Consistency	10/07/2025
C430	Fineness of Hydraulic Cement by the 45- μ m (No. 325) Sieve	10/07/2025
C451	Early Stiffening of Hydraulic Cement (Paste Method)	10/07/2025
C452	Potential Expansion of Portland-Cement Mortars Exposed to Portland Cement	10/07/2025
C511	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	10/07/2025
C596	Drying Shrinkage of Mortar Containing Hydraulic Cement	10/07/2025
C1012	Length Change of Hydraulic-Cement Mortars Exposed to a Sulfate Solution	10/07/2025
C1437	Flow of Hydraulic Cement Mortar	10/07/2025
C1506	Water Retention of Hydraulic Cement-Based Mortars and Plasters	10/07/2025
C1702	Measurement of Heat of Hydration of Hydraulic Cementitious Materials Using Isothermal Conduction Calorimetry	10/07/2025



SCOPE OF AASHTO ACCREDITATION FOR:

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Concrete

Standard:

Accredited Since:

C31 (Beams)	Making and Curing Concrete Test Specimens in the Field	10/07/2025
C31 (Cylinders)	Making and Curing Concrete Test Specimens in the Field	10/07/2025
C39	Compressive Strength of Cylindrical Concrete Specimens	10/07/2025
C42	Obtaining and Testing Drilled Cores and Sawed Beams of Concrete	10/07/2025
C78	Flexural Strength of Concrete (Using Simple Beam with Third-Point Loading)	10/07/2025
C138	Density (Unit Weight), Yield, and Air Content of Concrete	10/07/2025
C143	Slump of Hydraulic Cement Concrete	10/07/2025
C157	Length Change of Hardened Hydraulic-Cement, Mortar, and Concrete	10/07/2025
C172	Sampling Freshly Mixed Concrete	10/07/2025
C173	Air Content of Freshly Mixed Concrete by the Volumetric Method	10/07/2025
C192	Making and Curing Concrete Test Specimens in the Laboratory	10/07/2025
C215	Fundamental Transverse, Longitudinal and Torsional Frequencies of Concrete Specimens	10/07/2025
C231	Air Content of Freshly Mixed Concrete by the Pressure Method	10/07/2025
C305	Mechanical Mixing of Hydraulic Cement Pastes and Mortars of Plastic Consistency	10/07/2025
C403	Time of Setting of Concrete Mixtures by Penetration Resistance	10/07/2025
C469	Static Modulus of Elasticity and Poisson's Ratio of Concrete in Compression	10/07/2025
C496	Splitting Tensile Strength of Cylindrical Concrete Specimens	10/07/2025
C511	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	10/07/2025
C617 (10000 psi and below)	Capping Cylindrical Concrete Specimens	10/07/2025
C642	Density, Absorption, and Voids in Hardened Concrete	10/07/2025
C666	Resistance of Concrete to Rapid Freezing and Thawing	10/07/2025
C672	Scaling Resistance of Concrete Surfaces Exposed to De-icing Chemicals	10/07/2025
C882	Bond Strength of Epoxy-Resin Systems Used With Concrete By Slant Shear	10/07/2025



SCOPE OF AASHTO ACCREDITATION FOR:

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Concrete (Continued)

Standard:		Accredited Since:
C939	Flow of Grout for Preplaced-Aggregate Concrete (Flow Cone Method)	10/07/2025
C940	Expansion and Bleeding of Freshly Mixed Grouts for Preplaced-Aggregate Concrete in the Laboratory	10/07/2025
C942	Compressive Strength of Grouts for Preplaced-Aggregate Concrete in the Laboratory	10/07/2025
C1064	Temperature of Freshly Mixed Portland Cement Concrete	10/07/2025
C1090	Measuring Changes in Height of Cylindrical Specimens of Hydraulic-Cement Grout	10/07/2025
C1140 (Obtaining and Testing Specimens)	Preparing and Testing Specimens from Shotcrete Test Panels	10/07/2025
C1152	Acid-Soluble Chloride in Mortar and Concrete	10/07/2025
C1202	Electrical Indication of Concrete's Ability to Resist Chloride Ion Penetration	10/07/2025
C1218	Water-Soluble Chloride in Mortar and Concrete	10/07/2025
C1231 (7000 psi and below)	Use of Unbonded Caps in Determination of Compressive Strength of Hardened Concrete Cylinders	10/07/2025
C1260	Potential Alkali Reactivity of Aggregates (Mortar-Bar Method)	10/07/2025
C1293	Determination of Length Change of Concrete Due to Alkali-Silica Reaction	10/07/2025
C1399	Obtaining Average Residual-Strength of Fiber-Reinforced Concrete	10/07/2025
C1542	Measuring Length of Concrete Cores	10/07/2025
C1543	Determining the Penetration of Chloride Ion into Concrete by Ponding	10/07/2025
C1567	Determining the Potential Alkali-Silica Reactivity of Combinations of Cementitious Materials and Aggregate (Accelerated Mortar-Bar Method)	10/07/2025
C1604	Standard Test Method for Obtaining and Testing Drilled Cores of Shotcrete	10/07/2025
C1609	Flexural Performance of Fiber-Reinforced Concrete (Using Beam With Third-Point Loading)	10/07/2025
C1611	Slump Flow of Self-Consolidating Concrete	10/07/2025
C1621	Passing Ability of Self-Consolidating Concrete by J-Ring	10/07/2025



SCOPE OF AASHTO ACCREDITATION FOR:

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Masonry

Standard:

Accredited Since:

C109	Compressive Strength of Hydraulic Cement Mortars (Using 2-in. Cube Specimens)	10/07/2025
C185	Air Content of Hydraulic Cement Mortar	10/07/2025
C305	Mechanical Mixing of Hydraulic Cement Pastes and Mortars of Plastic Consistency	10/07/2025
C511	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	10/07/2025
C531	Linear Shrinkage and Coefficient of Thermal Expansion of Chemical-Resistant Mortars, Grouts, Monolithic Surfacing, and Polymer Concretes	10/07/2025
C1019	Sampling and Testing Grout	10/07/2025
C1437	Flow of Hydraulic Cement Mortar	10/07/2025
C1506	Water Retention of Hydraulic Cement-Based Mortars and Plasters	10/07/2025



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Pozzolan

Standard:

Accredited Since:

C109	Compressive Strength of Hydraulic Cement Mortars (Using 2-in. Cube Specimens)	10/07/2025
C151	Autoclave Expansion of Hydraulic Cement	10/07/2025
C157	Length Change of Hardened Hydraulic-Cement, Mortar, and Concrete	10/07/2025
C185	Air Content of Hydraulic Cement Mortar	10/07/2025
C187	Normal Consistency of Hydraulic Cement	10/07/2025
C188	Density of Hydraulic Cement	10/07/2025
C305	Mechanical Mixing of Hydraulic Cement Pastes and Mortars of Plastic Consistency	10/07/2025
C311 (Loss on Ignition)	Sampling and Testing Fly Ash or Natural Pozzolans for Use in Portland-Cement Concrete (Loss on Ignition)	10/07/2025
C311 (Moisture Content)	Sampling and Testing Fly Ash or Natural Pozzolans for Use in Portland-Cement Concrete (Moisture Content)	10/07/2025
C430	Fineness of Hydraulic Cement by the 45- μ m (No. 325) Sieve	10/07/2025
C441	Effectiveness of Pozzolans or Ground Blast-Furnace Slag in Preventing Excessive Expansion of Concrete Due to the Alkali-Silica Reaction	10/07/2025
C511	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	10/07/2025
C1012	Length Change of Hydraulic-Cement Mortars Exposed to a Sulfate Solution	10/07/2025
C1437	Flow of Hydraulic Cement Mortar	10/07/2025



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Slag Cement

Standard:

Accredited Since:

C109	Compressive Strength of Hydraulic Cement Mortars (Using 2-in. Cube Specimens)	10/07/2025
C185	Air Content of Hydraulic Cement Mortar	10/07/2025
C188	Density of Hydraulic Cement	10/07/2025
C204	Fineness of Hydraulic Cement by Air Permeability Apparatus	10/07/2025
C305	Mechanical Mixing of Hydraulic Cement Pastes and Mortars of Plastic Consistency	10/07/2025
C430	Fineness of Hydraulic Cement by the 45- μ m (No. 325) Sieve	10/07/2025
C441	Effectiveness of Pozzolans or Ground Blast-Furnace Slag in Preventing Excessive Expansion of Concrete Due to the Alkali-Silica Reaction	10/07/2025
C511	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	10/07/2025
C1038	Expansion of Hydraulic Cement Mortar Bars Stored in Water	10/07/2025
C1437	Flow of Hydraulic Cement Mortar	10/07/2025