



CERTIFICATE OF ACCREDITATION



Master Builders Solutions US LLC

in

Beachwood, Ohio, 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 10/28/2026 at 3:04 AM Eastern Time. Please confirm the current accreditation status of this laboratory at aashtoresource.org/aap/accreditation-directory



SCOPE OF AASHTO ACCREDITATION FOR:

Master Builders Solutions US LLC

in Beachwood, Ohio, USA

Quality Management System

Standard:

Accredited Since:

R18	Establishing and Implementing a Quality System for Construction Materials Testing Laboratories	07/15/2002
C1077 (Aggregate)	Laboratories Testing Concrete and Concrete Aggregates	01/30/2024
C1077 (Concrete)	Laboratories Testing Concrete and Concrete Aggregates	01/10/2011
C1093 (Masonry)	Accreditation of Testing Agencies for Unit Masonry	01/10/2011
C1222 (Cement)	Evaluation of Laboratories Testing Hydraulic Cement	01/10/2011



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Aggregate

Standard:

Accredited Since:

C40 Organic Impurities in Fine Aggregates for Concrete	10/12/2004
C117 Materials Finer Than 75-µm (No. 200) Sieve in Mineral Aggregates by Washing	10/12/2004
C127 Specific Gravity and Absorption of Coarse Aggregate	10/12/2004
C128 Specific Gravity (Relative Density) and Absorption of Fine Aggregate	10/12/2004
C136 Sieve Analysis of Fine and Coarse Aggregates	01/30/2024
C566 Total Moisture Content of Aggregate by Drying	10/12/2004
C702 Reducing Samples of Aggregate to Testing Size	10/12/2004



SCOPE OF AASHTO ACCREDITATION FOR:

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Cementitious Material - Chemical Tests

Standard:

Accredited Since:

C114 Loss on Ignition – Reference

04/15/2026



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Cement - Physical Tests

Standard:

Accredited Since:

C109	Compressive Strength of Hydraulic Cement Mortars (Using 2-in. Cube Specimens)	05/15/2012
C114 (Loss on Ignition - Reference)	Loss on Ignition – Reference	05/13/2019
C183	Sampling and the Amount of Testing of Hydraulic Cement	08/03/2007
C185	Air Content of Hydraulic Cement Mortar	08/03/2007
C187	Normal Consistency of Hydraulic Cement	08/03/2007
C191	Time of Setting of Hydraulic Cement by Vicat Needle	08/03/2007
C204	Fineness of Hydraulic Cement by Air Permeability Apparatus	04/11/2012
C305	Mechanical Mixing of Hydraulic Cement Pastes and Mortars of Plastic Consistency	08/03/2007
C430	Fineness of Hydraulic Cement by the 45-µm (No. 325) Sieve	08/03/2007
C451	Early Stiffening of Hydraulic Cement (Paste Method)	08/03/2007
C511	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	04/20/2012
C1437	Flow of Hydraulic Cement Mortar	08/03/2007



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Concrete

Standard:

Accredited Since:

C31 (Beams)	Making and Curing Concrete Test Specimens in the Field	07/15/2002
C31 (Cylinders)	Making and Curing Concrete Test Specimens in the Field	07/15/2002
C39	Compressive Strength of Cylindrical Concrete Specimens	07/15/2002
C78	Flexural Strength of Concrete (Using Simple Beam with Third-Point Loading)	07/15/2002
C138	Density (Unit Weight), Yield, and Air Content of Concrete	07/15/2002
C143	Slump of Hydraulic Cement Concrete	07/15/2002
C157	Length Change of Hardened Hydraulic-Cement, Mortar, and Concrete	07/15/2002
C172	Sampling Freshly Mixed Concrete	07/15/2002
C173	Air Content of Freshly Mixed Concrete by the Volumetric Method	07/15/2002
C192	Making and Curing Concrete Test Specimens in the Laboratory	07/15/2002
C215	Fundamental Transverse, Longitudinal and Torsional Frequencies of Concrete Specimens	04/20/2012
C231	Air Content of Freshly Mixed Concrete by the Pressure Method	07/15/2002
C305	Mechanical Mixing of Hydraulic Cement Pastes and Mortars of Plastic Consistency	05/25/2022
C403	Time of Setting of Concrete Mixtures by Penetration Resistance	07/15/2002
C457	Microscopical Determination of Parameters of the Air-Void System in Hardened Concrete	01/31/2017
C469	Static Modulus of Elasticity and Poisson's Ratio of Concrete in Compression	01/31/2017
C511	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	04/20/2012
C666	Resistance of Concrete to Rapid Freezing and Thawing	07/15/2002
C672	Scaling Resistance of Concrete Surfaces Exposed to De-icing Chemicals	08/31/2012
C1064	Temperature of Freshly Mixed Portland Cement Concrete	07/15/2002
C1152	Acid-Soluble Chloride in Mortar and Concrete	04/15/2026
C1202	Electrical Indication of Concrete's Ability to Resist Chloride Ion Penetration	08/31/2012
C1218	Water-Soluble Chloride in Mortar and Concrete	05/25/2022



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Concrete (Continued)

Standard:		Accredited Since:
C1231 (8000 psi and below)	Use of Unbonded Caps in Determination of Compressive Strength of Hardened Concrete Cylinders	04/15/2026
C1260	Potential Alkali Reactivity of Aggregates (Mortar-Bar Method)	01/31/2017
C1399	Obtaining Average Residual-Strength of Fiber-Reinforced Concrete	01/31/2017
C1550	Flexural Toughness of Fiber Reinforced Concrete (Using Centrally Loaded Round Panel)	01/31/2017
C1567	Determining the Potential Alkali-Silica Reactivity of Combinations of Cementitious Materials and Aggregate (Accelerated Mortar-Bar Method)	01/31/2017
C1581	Determining Age at Cracking and Induced Tensile Stress	01/31/2017
C1609	Flexural Performance of Fiber-Reinforced Concrete (Using Beam With Third-Point Loading)	01/31/2017
C1611	Slump Flow of Self-Consolidating Concrete	04/15/2026



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Masonry

Standard:

Accredited Since:

C140 (Concrete Interlocking Paving Units)	Sampling and Testing Concrete Masonry Units and Related Units	05/25/2022
C140 (Reduced-Size Concrete Masonry Units)	Sampling and Testing Concrete Masonry Units and Related Units	04/15/2026
C140 (Segmental Retaining Wall Units)	Sampling and Testing Concrete Masonry Units and Related Units	05/25/2022
C1262	Evaluating the Freeze-Thaw Durability of Dry-Cast Segmental Retaining Wall Units and Related Concrete Units	04/15/2026
C1552	Capping Concrete Masonry Units, Related Units and Masonry Prisms for Compression Testing	07/20/2009
C1645	Freeze-thaw and De-icing Salt Durability of Solid Concrete Interlocking Paving Units	04/15/2026