



# CERTIFICATE OF ACCREDITATION



## Braun Intertec Corporation

in

### Bloomington, Minnesota, 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](http://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 8:45 AM Eastern Time. Please confirm the current accreditation status of this laboratory at [aashtoresource.org/aap/accreditation-directory](http://aashtoresource.org/aap/accreditation-directory)



# SCOPE OF AASHTO ACCREDITATION FOR:

Braun Intertec Corporation

in Bloomington, Minnesota, USA

## Quality Management System

**Standard:**

**Accredited Since:**

Standard:		Accredited Since:
R18	Establishing and Implementing a Quality System for Construction Materials Testing Laboratories	03/15/1990
ISO/IEC 17025	General Requirements for the Competence of Testing and Calibration Laboratories	05/31/2013
C1077 (Aggregate)	Laboratories Testing Concrete and Concrete Aggregates	01/10/2011
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	11/08/2012
D3666 (Aggregate)	Minimum Requirements for Agencies Testing and Inspecting Road and Paving Materials	01/10/2011
D3666 (Asphalt Mixture)	Minimum Requirements for Agencies Testing and Inspecting Road and Paving Materials	01/10/2011
D3740 (Soil)	Minimum Requirements for Agencies Engaged in Testing and/or Inspection of Soil and Rock as Used in Engineering Design and Construction	01/10/2011
E329 (Aggregate)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	02/01/2011
E329 (Asphalt Mixture)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	01/10/2011
E329 (Concrete)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	02/01/2011
E329 (Soil)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	01/10/2011
E329 (Sprayed Fire-Resistive Material)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	04/01/2011



# SCOPE OF AASHTO ACCREDITATION FOR:

Braun Intertec Corporation

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## Controlled Low Strength Material (CLSM)

### Standard:

### Accredited Since:

D4832 Preparation and Testing of Controlled Low Strength Material (CLSM) Test Cylinders

02/20/2020

D5971 Sampling Freshly Mixed Controlled Low-Strength Material (CLSM)

02/20/2020



# SCOPE OF AASHTO ACCREDITATION FOR:

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## Asphalt Mixture

### Standard:

### Accredited Since:

R47	Reducing Samples of Hot-Mix Asphalt to Testing Size	04/01/2011
R68	Preparation of Asphalt Mixtures by Means of the Marshall Apparatus	03/15/1990
T30	Mechanical Analysis of Extracted Aggregate	03/15/1990
T164	Quantitative Extraction of Asphalt Binder from Hot Mix Asphalt (HMA)	03/15/1990
T166	Bulk Specific Gravity of Compacted Hot Mix Asphalt Using Saturated Surface-Dry Specimens	03/15/1990
T209	Maximum Specific Gravity of Hot Mix Asphalt Paving Mixtures	03/15/1990
T245	Resistance to Plastic Flow of Asphalt Mixtures Using Marshall Apparatus	03/15/1990
T269	Percent Air Voids in Compacted Dense and Open Bituminous Paving Mixtures	03/15/1990
T283	Resistance of Compacted Mixtures to Moisture Induced Damage	03/15/1990
T308	Determining the Asphalt Content of Hot Mix Asphalt (HMA) by the Ignition Method	03/15/1990
T312	Preparing and Determining the Density of Hot Mix Asphalt (HMA) Specimens by Means of the Superpave Gyrotory Compactor	03/15/1990
T329	Moisture Content of Hot-Mix Asphalt (HMA) by Oven Method	03/15/1990
D2041	Maximum Specific Gravity of Hot Mix Asphalt Paving Mixtures	03/15/1990
D2172	Quantitative Extraction of Asphalt Binder from Hot Mix Asphalt (HMA)	03/15/1990
D2726	Bulk Specific Gravity of Compacted Hot Mix Asphalt Using Saturated Surface-Dry Specimens	03/15/1990
D2950	Density of Bituminous Concrete In Place by Nuclear Methods	08/14/2015
D3203	Percent Air Voids in Compacted Dense and Open Bituminous Paving Mixtures	03/15/1990
D3549	Thickness or Height of Compacted Bituminous Paving Mixture Specimens	07/09/2020
D4867	Resistance of Compacted Mixtures to Moisture Induced Damage	03/15/1990
D5444	Mechanical Analysis of Extracted Aggregate	03/15/1990
D6307	Determining the Asphalt Content of Hot Mix Asphalt (HMA) by the Ignition Method	02/22/2013
D6925	Preparing and Determining the Density of Hot Mix Asphalt (HMA) Specimens by Means of the Superpave Gyrotory Compactor	02/22/2013
D6926	Preparation of Asphalt Mixtures by Means of the Marshall Apparatus	03/15/1990



# SCOPE OF AASHTO ACCREDITATION FOR:

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## Asphalt Mixture (Continued)

**Standard:**

**Accredited Since:**

D6927 Resistance to Plastic Flow of Asphalt Mixtures Using Marshall Apparatus

03/15/1990



**SCOPE OF AASHTO ACCREDITATION FOR:**  
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**Soil**

<b>Standard:</b>		<b>Accredited Since:</b>
R58	Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test	03/15/1990
T88	Particle Size Analysis of Soils by Hydrometer	03/15/1990
T89	Determining the Liquid Limit of Soils (Atterberg Limits)	03/15/1990
T90	Plastic Limit of Soils (Atterberg Limits)	03/15/1990
T99	The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop	03/15/1990
T100	Specific Gravity of Soils	03/15/1990
T180	Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop	03/15/1990
T190	Resistance R-Value and Expansion Pressure of Compacted Soils	03/15/1990
T191	Density of Soil In-Place by the Sand Cone Method	03/15/1990
T193	The California Bearing Ratio	03/15/1990
T208	Unconfined Compressive Strength of Cohesive Soil	03/15/1990
T215	Permeability of Granular Soils (Constant Head)	03/15/1990
T216	One-Dimensional Consolidation Properties of Soils Using Incremental Loading	03/15/1990
T236	Direct Shear Test of Soils Under Consolidated Drained Conditions	03/15/1990
T265	Laboratory Determination of Moisture Content of Soils	03/15/1990
T267	Determination of Organic Content in Soils by Loss on Ignition	04/01/2011
T296	Unconsolidated, Undrained Compressive Strength of Cohesive Soils in Triaxial Compression	03/15/1990
T297	Consolidated-Undrained Triaxial Compression Test on Cohesive Soils	03/15/1990
T310	In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)	03/15/1990
D421	Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test	03/15/1990
D422	Particle Size Analysis of Soils by Hydrometer	03/15/1990
D698	The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop	03/15/1990
D854	Specific Gravity of Soils	03/15/1990



**SCOPE OF AASHTO ACCREDITATION FOR:**  
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**Soil (Continued)**

<b>Standard:</b>		<b>Accredited Since:</b>
D1140	Amount of Material in Soils Finer than the No. 200 (75- $\mu$ m) Sieve	03/15/1990
D1556	Density of Soil In-Place by the Sand Cone Method	03/15/1990
D1557	Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop	03/15/1990
D1883	The California Bearing Ratio	03/15/1990
D2166	Unconfined Compressive Strength of Cohesive Soil	03/15/1990
D2216	Laboratory Determination of Moisture Content of Soils	03/15/1990
D2434	Permeability of Granular Soils (Constant Head)	03/15/1990
D2435	One-Dimensional Consolidation Properties of Soils Using Incremental Loading	03/15/1990
D2487	Classification of Soils for Engineering Purposes (Unified Soil Classification System)	03/15/1990
D2488	Description and Identification of Soils (Visual-Manual Procedure)	03/15/1990
D2844	Resistance R-Value and Expansion Pressure of Compacted Soils	03/15/1990
D2850	Unconsolidated, Undrained Compressive Strength of Cohesive Soils in Triaxial Compression	03/15/1990
D2974	Determination of Organic Content in Soils by Loss on Ignition	04/01/2011
D3080 (4000 lb/ft-sq or Greater Normal Stress)	Direct Shear Test of Soils Under Consolidated Drained Conditions (with Exceptions)	07/09/2020
D4318	Determining the Liquid Limit of Soils (Atterberg Limits)	03/15/1990
D4318	Plastic Limit of Soils (Atterberg Limits)	03/15/1990
D4546	One-Dimensional Swell or Settlement Potential of Cohesive Soils	03/15/1990
D4718	Oversize Particle Correction	12/28/2017
D4767	Consolidated-Undrained Triaxial Compression Test on Cohesive Soils	03/15/1990
D5084	Hydraulic Conductivity of Saturated Porous Materials Using a Flexible Wall Permeameter	03/15/1990
D6913	Particle-Size Distribution (Gradation) of Soils Using Sieve Analysis	02/22/2013
D6938	In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)	03/15/1990
D7928	Particle-Size Distribution (Gradation) of Fine-Grained Soils Using the Sedimentation (Hydrometer) Analysis	12/28/2017



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## Aggregate

Standard:		Accredited Since:
R76	Reducing Samples of Aggregate to Testing Size	03/15/1990
R90	Sampling Aggregate	02/22/2013
T11	Materials Finer Than 75- $\mu$ m (No. 200) Sieve in Mineral Aggregates by Washing	03/15/1990
T19	Bulk Density ("Unit Weight") and Voids in Aggregate	03/15/1990
T21	Organic Impurities in Fine Aggregates for Concrete	03/15/1990
T27	Sieve Analysis of Fine and Coarse Aggregates	03/15/1990
T37	Sieve Analysis of Mineral Filler for Road and Paving Materials	12/28/2017
T71	Effect of Organic Impurities in Fine Aggregate on Strength of Mortar	11/08/2012
T84	Specific Gravity (Relative Density) and Absorption of Fine Aggregate	03/15/1990
T85	Specific Gravity and Absorption of Coarse Aggregate	03/15/1990
T96	Resistance to Abrasion of Small-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	03/15/1990
T104	Soundness of Aggregate by Use of Sodium Sulfate or Magnesium Sulfate	03/15/1990
T112	Clay Lumps and Friable Particles in Aggregate	03/15/1990
T113	Lightweight Pieces in Aggregate	03/15/1990
T176	Plastic Fines in Graded Aggregates and Soils by Use of the Sand Equivalent Test	03/15/1990
T255	Total Moisture Content of Aggregate by Drying	03/15/1990
T304	Uncompacted Void Content of Fine Aggregate (Influenced by Shape, Texture, and Grading)	03/15/1990
T335	Determining the Percentage of Fractured Particles in Coarse Aggregate	08/14/2015
C29	Bulk Density ("Unit Weight") and Voids in Aggregate	03/15/1990
C40	Organic Impurities in Fine Aggregates for Concrete	03/15/1990
C70	Surface Moisture in Fine Aggregate	03/15/1990
C87	Effect of Organic Impurities in Fine Aggregate on Strength of Mortar	03/15/1990
C88	Soundness of Aggregate by Use of Sodium Sulfate or Magnesium Sulfate	03/15/1990





# SCOPE OF AASHTO ACCREDITATION FOR:

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## Aggregate (Continued)

Standard:	Accredited Since:
C117 Materials Finer Than 75- $\mu$ m (No. 200) Sieve in Mineral Aggregates by Washing	03/15/1990
C123 Lightweight Pieces in Aggregate	03/15/1990
C127 Specific Gravity and Absorption of Coarse Aggregate	03/15/1990
C128 Specific Gravity (Relative Density) and Absorption of Fine Aggregate	03/15/1990
C131 Resistance to Abrasion of Small-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	03/15/1990
C136 Sieve Analysis of Fine and Coarse Aggregates	03/15/1990
C142 Clay Lumps and Friable Particles in Aggregate	03/15/1990
C295 Petrographic Examination of Aggregates for Concrete	03/15/1990
C535 Resistance to Degradation of Large-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	03/15/1990
C566 Total Moisture Content of Aggregate by Drying	03/15/1990
C702 Reducing Samples of Aggregate to Testing Size	03/15/1990
C1252 Uncompacted Void Content of Fine Aggregate (Influenced by Shape, Texture, and Grading)	03/15/1990
D75 Sampling Aggregate	02/22/2013
D546 Sieve Analysis of Mineral Filler for Road and Paving Materials	12/28/2017
D2419 Plastic Fines in Graded Aggregates and Soils by Use of the Sand Equivalent Test	03/15/1990
D4791 Flat Particles, Elongated Particles, or Flat and Elongated Particles in Coarse Aggregate	03/15/1990
D5821 Determining the Percentage of Fractured Particles in Coarse Aggregate	03/15/1990
CRD-C130 Estimating Scratch Test Hardness of Coarse Aggregate Particles	10/26/2017



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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

04/01/2011

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

04/01/2011



# SCOPE OF AASHTO ACCREDITATION FOR:

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## Iron and Steel

### Standard:

### Accredited Since:

M31-T244 Carbon-Steel Bars, Deformed and Plain: Tension (Elongation)	02/20/2020
M31-T244 Carbon-Steel Bars, Deformed and Plain: Tension (Ultimate Tensile Strength)	02/20/2020
M31-T244 Carbon-Steel Bars, Deformed and Plain: Tension (Yield Strength)	02/20/2020
M31-T285 Carbon-Steel Bars, Deformed and Plain: Bend Test	02/20/2020
A615-A370 Carbon-Steel Bars, Deformed and Plain: Tension (Elongation)	11/13/2015
A615-A370 Carbon-Steel Bars, Deformed and Plain: Tension (Ultimate Tensile Strength)	11/13/2015
A615-A370 Carbon-Steel Bars, Deformed and Plain: Tension (Yield Strength)	11/13/2015
A615-E290 Carbon-Steel Bars, Deformed and Plain: Bend Test	10/26/2017



# SCOPE OF AASHTO ACCREDITATION FOR:

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## Concrete

Standard:		Accredited Since:
M201	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	11/08/2012
R39	Making and Curing Concrete Test Specimens in the Laboratory	11/08/2012
R60	Sampling Freshly Mixed Concrete	03/15/1990
T22	Compressive Strength of Cylindrical Concrete Specimens	03/15/1990
T23	Making and Curing Concrete Test Specimens in the Field	03/15/1990
T24	Obtaining and Testing Drilled Cores and Sawed Beams of Concrete	11/08/2012
T97	Flexural Strength of Concrete (Using Simple Beam with Third-Point Loading)	03/15/1990
T119	Slump of Hydraulic Cement Concrete	03/15/1990
T121	Density (Unit Weight), Yield, and Air Content of Concrete	03/15/1990
T148	Measuring Thickness of Concrete Elements Using Drilled Concrete Cores	11/13/2015
T152	Air Content of Freshly Mixed Concrete by the Pressure Method	03/15/1990
T160	Length Change of Hardened Hydraulic-Cement, Mortar, and Concrete	11/13/2015
T161	Resistance of Concrete to Rapid Freezing and Thawing	11/08/2012
T177	Flexural Strength of Concrete (Using Simple Beam With Center-Point Loading)	11/13/2015
T196	Air Content of Freshly Mixed Concrete by the Volumetric Method	03/15/1990
T197	Time of Setting of Concrete Mixtures by Penetration Resistance	11/13/2015
T198	Splitting Tensile Strength of Cylindrical Concrete Specimens	11/08/2012
T231 (7000 psi and below)	Capping Cylindrical Concrete Specimens	02/20/2020
T276	Measuring Early-Age Compressive Strength and Projecting Later-Age Strength	11/13/2015
T277	Electrical Indication of Concrete's Ability to Resist Chloride Ion Penetration	11/13/2015
T303	Potential Alkali Reactivity of Aggregates (Mortar-Bar Method)	11/08/2012
T309	Temperature of Freshly Mixed Portland Cement Concrete	11/13/2015
T325	Estimating Concrete Strength by the Maturity Method	11/13/2015



**SCOPE OF AASHTO ACCREDITATION FOR:**  
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**Concrete (Continued)**

<b>Standard:</b>		<b>Accredited Since:</b>
T347	Slump Flow of Self-Consolidating Concrete	11/13/2015
C31	Making and Curing Concrete Test Specimens in the Field	03/15/1990
C39	Compressive Strength of Cylindrical Concrete Specimens	03/15/1990
C42	Obtaining and Testing Drilled Cores and Sawed Beams of Concrete	03/15/1990
C78	Flexural Strength of Concrete (Using Simple Beam with Third-Point Loading)	03/15/1990
C138	Density (Unit Weight), Yield, and Air Content of Concrete	03/15/1990
C143	Slump of Hydraulic Cement Concrete	03/15/1990
C157	Length Change of Hardened Hydraulic-Cement, Mortar, and Concrete	03/15/1990
C172	Sampling Freshly Mixed Concrete	03/15/1990
C173	Air Content of Freshly Mixed Concrete by the Volumetric Method	03/15/1990
C174	Measuring Thickness of Concrete Elements Using Drilled Concrete Cores	03/15/1990
C192	Making and Curing Concrete Test Specimens in the Laboratory	03/15/1990
C215	Fundamental Transverse, Longitudinal and Torsional Frequencies of Concrete Specimens	03/15/1990
C231	Air Content of Freshly Mixed Concrete by the Pressure Method	03/15/1990
C293	Flexural Strength of Concrete (Using Simple Beam With Center-Point Loading)	03/15/1990
C403	Time of Setting of Concrete Mixtures by Penetration Resistance	03/15/1990
C457	Microscopical Determination of Parameters of the Air-Void System in Hardened Concrete	03/15/1990
C469	Static Modulus of Elasticity and Poisson's Ratio of Concrete in Compression	03/15/1990
C495	Compressive Strength of Lightweight Insulating Concrete	03/15/1990
C496	Splitting Tensile Strength of Cylindrical Concrete Specimens	03/15/1990
C511	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	11/08/2012
C567	Determining Density of Structural Lightweight Concrete	03/15/1990
C597	Pulse Velocity Through Concrete	11/08/2012



**SCOPE OF AASHTO ACCREDITATION FOR:**  
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**Concrete (Continued)**

<b>Standard:</b>	<b>Accredited Since:</b>
C617 (7000 psi and below) Capping Cylindrical Concrete Specimens	02/20/2020
C642 Density, Absorption, and Voids in Hardened Concrete	03/15/1990
C666 Resistance of Concrete to Rapid Freezing and Thawing	03/15/1990
C672 Scaling Resistance of Concrete Surfaces Exposed to De-icing Chemicals	03/15/1990
C803 Penetration Resistance of Hardened Concrete	03/15/1990
C805 Rebound Number of Hardened Concrete	03/15/1990
C856 Petrographic Examination of Hardened Concrete	02/20/2020
C873 Compressive Strength of Concrete Cylinders Cast in Place in Cylindrical Molds	03/15/1990
C876 Half-Cell Potentials of Uncoated Reinforcing Steel in Concrete (copy 1)	03/15/1990
C918 Measuring Early-Age Compressive Strength and Projecting Later-Age Strength	11/13/2015
C939 (Pre-Mixed) Flow of Grout for Preplaced-Aggregate Concrete (Flow Cone Method - Pre-Mixed Grout)	04/21/2020
C942 (Pre-Mixed) Compressive Strength of Grouts for Preplaced-Aggregate Concrete in the Laboratory (Pre-Mixed Grout)	04/21/2020
C1064 Temperature of Freshly Mixed Portland Cement Concrete	03/15/1990
C1074 Estimating Concrete Strength by the Maturity Method	03/15/1990
C1090 Measuring Changes in Height of Cylindrical Specimens of Hydraulic-Cement Grout	11/13/2015
C1105 Length Change of Concrete Due to Alkali-Carbonate Rock Reaction	11/08/2012
C1140 Preparing and Testing Specimens from Shotcrete Test Panels	11/13/2015
C1152 Acid-Soluble Chloride in Mortar and Concrete	10/26/2017
C1202 Electrical Indication of Concrete's Ability to Resist Chloride Ion Penetration	03/15/1990
C1218 Water-Soluble Chloride in Mortar and Concrete	10/26/2017
C1231 (7000 psi and below) Use of Unbonded Caps in Determination of Compressive Strength of Hardened Concrete Cylinders	11/08/2012
C1260 Potential Alkali Reactivity of Aggregates (Mortar-Bar Method)	03/15/1990
C1293 Determination of Length Change of Concrete Due to Alkali-Silica Reaction	11/08/2012



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## Concrete (Continued)

Standard:		Accredited Since:
C1383	Measuring the P-Wave Speed and the Thickness of Concrete Plates Using the Impact-Echo Method	11/08/2012
C1542	Measuring Length of Concrete Cores	11/13/2015
C1567	Determining the Potential Alkali-Silica Reactivity of Combinations of Cementitious Materials and Aggregate (Accelerated Mortar-Bar Method)	03/15/1990
C1581	Determining Age at Cracking and Induced Tensile Stress	11/13/2015
C1583	Tensile Strength of Concrete Surfaces and the Bond Strength or Tensile Strength of Concrete Repair and Overlay Materials by Direct Tension (Pull-off Method)	11/13/2015
C1611	Slump Flow of Self-Consolidating Concrete	11/13/2015
C1621	Passing Ability of Self-Consolidating Concrete by J-Ring	10/26/2017



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## Cement - Physical Tests

### Standard:

### Accredited Since:

M201	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	11/08/2012
R71	Sampling and the Amount of Testing of Hydraulic Cement	11/08/2012
T106	Compressive Strength of Hydraulic Cement Mortars (Using 2-in. Cube Specimens)	11/08/2012
T107	Autoclave Expansion of Portland Cement	07/29/2020
T129	Normal Consistency of Hydraulic Cement	11/08/2012
T131	Time of Setting of Hydraulic Cement by Vicat Needle	11/08/2012
T133	Density of Hydraulic Cement	02/20/2020
T137	Air Content of Hydraulic Cement Mortar	11/08/2012
T153	Fineness of Hydraulic Cement by Air Permeability Apparatus	11/08/2012
T154	Time of Setting of Hydraulic-Cement Paste by Gillmore Needles	11/08/2012
T160	Length Change of Hardened Hydraulic-Cement, Mortar, and Concrete	02/20/2020
T162	Mechanical Mixing of Hydraulic Cement Pastes and Mortars of Plastic Consistency	11/08/2012
T186	Early Stiffening of Hydraulic Cement (Paste Method)	11/08/2012
T192	Fineness of Hydraulic Cement by the 45- $\mu$ m (No. 325) Sieve	11/08/2012
C109	Compressive Strength of Hydraulic Cement Mortars (Using 2-in. Cube Specimens)	11/08/2012
C151	Autoclave Expansion of Portland Cement	07/29/2020
C157	Length Change of Hardened Hydraulic-Cement, Mortar, and Concrete	02/20/2020
C183	Sampling and the Amount of Testing of Hydraulic Cement	11/08/2012
C185	Air Content of Hydraulic Cement Mortar	11/08/2012
C187	Normal Consistency of Hydraulic Cement	11/08/2012
C188	Density of Hydraulic Cement	10/26/2017
C191	Time of Setting of Hydraulic Cement by Vicat Needle	11/08/2012
C204	Fineness of Hydraulic Cement by Air Permeability Apparatus	11/08/2012





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## Cement - Physical Tests (Continued)

<b>Standard:</b>	<b>Accredited Since:</b>
C266 Time of Setting of Hydraulic-Cement Paste by Gillmore Needles	11/08/2012
C305 Mechanical Mixing of Hydraulic Cement Pastes and Mortars of Plastic Consistency	11/08/2012
C430 Fineness of Hydraulic Cement by the 45- $\mu$ m (No. 325) Sieve	11/08/2012
C451 Early Stiffening of Hydraulic Cement (Paste Method)	11/08/2012
C511 Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	11/08/2012
C596 Drying Shrinkage of Mortar Containing Hydraulic Cement	11/13/2015
C1012 Length Change of Hydraulic-Cement Mortars Exposed to a Sulfate Solution	11/08/2012
C1437 Flow of Hydraulic Cement Mortar	11/08/2012



# SCOPE OF AASHTO ACCREDITATION FOR:

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## Masonry

Standard:		Accredited Since:
M201	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	11/13/2015
T106	Compressive Strength of Hydraulic Cement Mortars (Using 2-in. Cube Specimens)	11/08/2012
T137	Air Content of Hydraulic Cement Mortar	11/08/2012
T162	Mechanical Mixing of Hydraulic Cement Pastes and Mortars of Plastic Consistency	11/08/2012
C67	Brick: Absorption	01/01/2011
C67	Brick: Capping	10/01/2007
C67	Brick: Compressive Strength	01/01/2011
C67	Brick: Initial Rate of Absorption	11/08/2012
C67	Brick: Measurement	01/01/2011
C67	Brick: Specimen Preparation	10/01/2007
C109	Compressive Strength of Hydraulic Cement Mortars (Using 2-in. Cube Specimens)	10/01/2007
C140 (Concrete Masonry Units)	Sampling and Testing Concrete Masonry Units and Related Units	10/01/2007
C185	Air Content of Hydraulic Cement Mortar	10/01/2007
C305	Mechanical Mixing of Hydraulic Cement Pastes and Mortars of Plastic Consistency	10/01/2007
C426	Linear Drying Shrinkage of Concrete Masonry Units	10/26/2017
C511	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	11/13/2015
C780 (Annex 1)	Preconstruction and Construction Evaluation of Mortars for Plain and Reinforced Unit Masonry - Consistency by Cone Penetration	02/20/2020
C780 (Annex 4)	Preconstruction and Construction Evaluation of Mortars for Plain and Reinforced Unit Masonry - Mortar Aggregate Ratio	02/20/2020
C780 (Annex 6)	Preconstruction and Construction Evaluation of Mortars for Plain and Reinforced Unit Masonry - Compressive Strength	11/13/2015
C1019	Sampling and Testing Grout	10/01/2007
C1262	Evaluating the Freeze-Thaw Durability of Dry-Cast Segmental Retaining Wall Units and Related Concrete Units	10/26/2017
C1314	Compressive Strength of Masonry Prisms	10/01/2007
C1437	Flow of Hydraulic Cement Mortar	10/01/2007



# SCOPE OF AASHTO ACCREDITATION FOR:

Braun Intertec Corporation

in Bloomington, Minnesota, USA

## Masonry (Continued)

**Standard:**

**Accredited Since:**

C1506	Water Retention of Hydraulic Cement-Based Mortars and Plasters	10/01/2007
C1552	Capping Concrete Masonry Units, Related Units and Masonry Prisms for Compression Testing	10/01/2007
C1645	Freeze-thaw and De-icing Salt Durability of Solid Concrete Interlocking Paving Units	11/13/2015



# SCOPE OF AASHTO ACCREDITATION FOR:

Braun Intertec Corporation

in Bloomington, Minnesota, USA

## Pozzolan

### Standard:

### Accredited Since:

M201	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	11/13/2015
T106	Compressive Strength of Hydraulic Cement Mortars (Using 2-in. Cube Specimens)	11/13/2015
T129	Normal Consistency of Hydraulic Cement	11/13/2015
T133	Density of Hydraulic Cement	11/13/2015
T137	Air Content of Hydraulic Cement Mortar	11/13/2015
T160	Length Change of Hardened Hydraulic-Cement, Mortar, and Concrete	11/13/2015
T162	Mechanical Mixing of Hydraulic Cement Pastes and Mortars of Plastic Consistency	11/13/2015
T192	Fineness of Hydraulic Cement by the 45- $\mu$ m (No. 325) Sieve	11/13/2015
C109	Compressive Strength of Hydraulic Cement Mortars (Using 2-in. Cube Specimens)	11/13/2015
C157	Length Change of Hardened Hydraulic-Cement, Mortar, and Concrete	11/13/2015
C185	Air Content of Hydraulic Cement Mortar	11/13/2015
C187	Normal Consistency of Hydraulic Cement	11/13/2015
C188	Density of Hydraulic Cement	11/13/2015
C305	Mechanical Mixing of Hydraulic Cement Pastes and Mortars of Plastic Consistency	11/13/2015
C430	Fineness of Hydraulic Cement by the 45- $\mu$ m (No. 325) Sieve	11/13/2015
C511	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	11/13/2015
C1012	Length Change of Hydraulic-Cement Mortars Exposed to a Sulfate Solution	11/13/2015
C1437	Flow of Hydraulic Cement Mortar	11/13/2015