

TEST METHODS AND STANDARD PRACTICES 2021

ASPHALT AND AGGREGATES

- ASTM C117-17: Standard Test Method for Material Finer than No.200 Sieve in Mineral Aggregates by Washing
- ASTM C136-19: Standard Test method for Sieve Analysis of Fine and Coarse Aggregates
- ASTM C127-15: Standard Test Method for Density, Relative Density, and Absorption of Coarse Aggregate
- ASTM C128-15: Standard Test Method for Density, Relative Density, and Absorption of Fine Aggregate
- ASTM D7428-15: Standard Test Method for Resistance of Fine Aggregate to Degradation by Abrasion in the Micro-Deval Apparatus
- ASTM D6928-17: Standard Test method for Resistance of Coarse Aggregate to Degradation by Abrasion in the Micro-Deval Apparatus
- AASHTO T166-16: Bulk Specific Gravity of Compacted Hot Mix Asphalt Using Saturated Surface Dry Specimens
- ASTM D2726/D2726M-19: Standard Test Method for Bulk Specific Gravity and Density of Non-Absorptive Compacted Bituminous mixtures
- ASTM D2419-14: Standard Test Method for Sand Equivalent Value of Soils and Fine Aggregate
- ASTM D2041/D2041M-19: Standard Test Method for Theoretical Maximum Specific Gravity and Density of Bituminous Paving Mixtures
- AASHTO T283-18: Resistance of Compacted Hot Mix Asphalt (HMA) to Moisture- Induced Damage
- AASHTO T304-17: Uncompacted Void Content of Fine Aggregates
- AASHTO T312-15/ ASTM D6925-15: Preparing and Determining the Density of Hot Mix Asphalt (HMA) Specimens by Means of the Superpave Gyrotory Compactor
- ASTM D5821-17: Standard Test method for Determining the Percentage of Fractured Particles in Coarse Aggregate
- ASTM D4791-19: Standard Test Method for Flat Particles, Elongated Particles, or Flat and Elongated particles in Coarse Aggregate
- ASTM D6307-19: Standard Test Method for Asphalt Content of Hot-Mix Asphalt by Ignition Method
- AASHTO R30-02 (2016): Mixture Conditioning of Hot-Mix Asphalt (HMA)
- ASTM C88M-18: Standard Test Method for Soundness of Aggregates by Use of Sodium Sulfate or Magnesium Sulfate
- ASTM D2172/D2172M-17: Standard Test Methods for Quantitative Extraction of bitumen From Bituminous Paving Mixtures
- ASTM D6926-20: Standard Practice for Preparation of Bituminous Specimens Using Marshall Apparatus
- ASTM D5404/D5404M-12(2017): Standard Practice for Recovery of Asphalt from Solution Using the Rotary Evaporator
- ASTM D3203-D3203M-17: Standard Test Method for Percent Air Voids in Compacted Dense and Open Bituminous Paving Mixtures
- ASTM D1188-07 (2015): Standard Test method for Bulk Specific Gravity and Density of Compacted Bituminous mixtures Using Coated Samples
- ASTM D6752/D6752M-18: Standard test Method for Bulk Specific Gravity and Density of Compacted Bituminous Mixtures Using Automatic Vacuum Sealing Method
- ASTM C295/C295M-19: Standard Guide for Petrographic Examination of Aggregates for Concrete
- ASTM C131/C131M-14: Standard Test Method for Resistance to Degradation of Small- Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine
- ASTM C535-16: Standard Test Method for Resistance to Degradation of Large- Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine
- AASHTO R35-17: Standard Practice for Superpave Volumetric Design for Asphalt Mixtures
- ASTM D1856-15: Standard Test Method for Recovery of Asphalt From Solution by Abson Method
- ASTM D5/D5M-19a: Standard Test Methods for Penetration of Bituminous Materials
- ASTM D2974-14: Standard Test Methods for Moisture, Ash, and Organic Matter of Peat and Other organic Soils
- AASHTO T269-14: Standard Method of Test for Percent Air Voids in Compacted Dense and Open Asphalt Mixtures
- AASHTO T305-14: Standard Method of Test for Determination of Draindown Characteristics in Uncompacted Asphalt Mixtures

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SOILS TESTING

- **ASTM D4318-17e:** Standard test Methods for Liquid Limit, Plastic Limit, and Plasticity Index of Soils
- **ASTM D698-12:** Standard Test Methods for Laboratory Compaction Characteristics of Soil Using Standard Effort
- **ASTM D1557-12e:** Standard Test Method for Laboratory Compaction Characteristics of Soil Using Modified Effort
- **ASTM D2216-19:** Standard Test Method for Laboratory Determination of Water (Moisture) Content of Soil and Rock by Mass
- **ASTM D3549/D3549M-17:** Standard Test Methods for Thickness or Height of Compacted Bituminous Paving Mixtures Specimens
- **ASTM D6927-15:** Standard Test Methods for Marshall Stability and Flow of Bituminous Mixtures
- **ASTM C702/C702M-18:** Standard Practice for Reducing Samples of Aggregate to Testing Size
- **ASTM D5444-15:** Standard Test Method for Mechanical Size Analysis of Extracted Aggregate
- **ASTM C142/C142M-17:** Standard Test Methods for Clay Lumps and Friable Particles in Aggregates
- **ASTM C40/C40M-19:** Standard Test Methods for Organic Impurities in Fine Aggregates for Concrete
- **ASTM C123-14:** Standard Test Methods for Lightweight Particles in Aggregate
- **ASTM E11-17:** Standard Specifications for Wire Cloth Sieves for Testing Purposes
- **ASTM D1075-11/D1074-17:** Standard Test Methods for Effect of Water on Compressive Strength of Compacted Bituminous Mixture
- **ASTM D1074-17:** Standard Test Methods for Compressive Strength of Bituminous Mixture
- **ASTM D1883-16:** Standard Test Method for CBR (California Bearing Ratio) of Laboratory -Compacted Soils
- **ASTM D3744-18:** Standard Test Method for Aggregate Durability Index
- **ASTM D854-14:** Standard Test Methods for Specific Gravity of Soil Solids by Water Pycnometer
- **CSA A23.2-10A:** Bulk Density of Aggregates
- **ASTM D7928/AASHTO T88:** Standard Test Method for Particle-Size Analysis of Soils
- **ASTM D75M-19:** Standard Practice for Sampling Aggregates
- **AASHTO T324-19:** Hamburg Wheel Track Testing of Compacted Asphalt Mixes
- **AASHTO M320-17:** Performance-Graded Asphalt Binder
- **CSA A23.2-24A:** Test Method for the Resistance of Unconfined Coarse Aggregate To Freezing and Thawing
- **ASTM D6473-15:** Standard Test Method for Specific Gravity and Absorption of Rock Erosion Control
- **ASTM D6913M-17:** Standard Test Method for Particle-Size Distribution (Gradation) of Soils Using Sieve Analysis
- **TEX-245-F-2019:** Test Procedures for Cantabro Loss
- **STM D5240-12(2013)e1:** Standard Test Method for Testing Rock Slabs to Evaluate Soundness of Riprap by Use of Sodium Sulfate or Magnesium Sulfate

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CONCRETE TESTING

- **CSA A23.1:19:** Concrete Materials and Methods of Concrete Construction
- **CSA A23.2:19:** Test Methods and Standard Practices for Concrete