



Designation: **D6155—15 D6155 – 19**

Standard Specification for Nontraditional Coarse Aggregates for Bituminous Asphalt Paving Mixtures¹

This standard is issued under the fixed designation D6155; the number immediately following the designation indicates the year of original adoption or, in the case of revision, the year of last revision. A number in parentheses indicates the year of last reapproval. A superscript epsilon (ϵ) indicates an editorial change since the last revision or reapproval.

1. Scope

1.1 This specification covers the use of coarse aggregates not traditionally used in bituminous asphalt paving mixtures. These nontraditional aggregates can be described as any aggregate other than those described in Specifications ~~D692~~D692/D692M, D693, ~~D1139~~D1139/D1139M, and D5106; (crushed stone, crushed hydraulic-cement concrete, crushed blast-furnace slag, steel furnace slag, and crushed gravel) suitable for use in bituminous asphalt paving mixtures, as described in Specification D3515 or D4215.

1.2 The text of this specification references notes and footnotes that provides explanatory material. These notes and footnotes (excluding those in tables and figures) shall not be considered as requirements of the specification.

1.3 The values stated in SI units are to be regarded as standard. No other units of measurement are included in this standard.

NOTE 1—Sieve size is identified by its standard designation in Specification E11. The alternative designation given in parentheses is for information only and does not represent a different standard sieve size.

1.4 *This standard does not purport to address all of the safety concerns, if any, associated with its use. It is the responsibility of the user of this standard to establish appropriate safety, safety, health, and health environmental practices and determine the applicability of regulatory limitations prior to use.*

1.5 *This international standard was developed in accordance with internationally recognized principles on standardization established in the Decision on Principles for the Development of International Standards, Guides and Recommendations issued by the World Trade Organization Technical Barriers to Trade (TBT) Committee.*

2. Referenced Documents

2.1 ASTM Standards:²

C29/C29M Test Method for Bulk Density (“Unit Weight”) and Voids in Aggregate

€88C88/C88M Test Method for Soundness of Aggregates by Use of Sodium Sulfate or Magnesium Sulfate

C125 Terminology Relating to Concrete and Concrete Aggregates

~~€131~~C131/C131M Test Method for Resistance to Degradation of Small-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine

~~€136~~C136/C136M Test Method for Sieve Analysis of Fine and Coarse Aggregates

~~€142~~C142/C142M Test Method for Clay Lumps and Friable Particles in Aggregates

C294 Descriptive Nomenclature for Constituents of Concrete Aggregates

D8 Terminology Relating to Materials for Roads and Pavements

~~€75~~D75/D75M Practice for Sampling Aggregates

D448 Classification for Sizes of Aggregate for Road and Bridge Construction

~~€692~~D692/D692M Specification for Coarse Aggregate for Bituminous Paving Mixtures

D693 Specification for Crushed Aggregate for Macadam Pavements (Withdrawn 2008)³

~~€1139~~D1139/D1139M Specification for Aggregate for Single or Multiple Bituminous Surface Treatments

~~€2489~~D2489/D2489M Test Method for Estimating Degree of Particle Coating of Asphalt Mixtures

¹ This specification is under the jurisdiction of ASTM Committee D04 on Road and Paving Materials and is the direct responsibility of Subcommittee D04.50 on Aggregate Specifications.

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² For referenced ASTM standards, visit the ASTM website, www.astm.org, or contact ASTM Customer Service at service@astm.org. For *Annual Book of ASTM Standards* volume information, refer to the standard’s Document Summary page on the ASTM website.

³ The last approved version of this historical standard is referenced on www.astm.org.