



Designation: D 692 – 00 (Reapproved 2004)

## Standard Specification for Coarse Aggregate for Bituminous Paving Mixtures<sup>1</sup>

This standard is issued under the fixed designation D 692; 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 ( $\epsilon$ ) indicates an editorial change since the last revision or reapproval.

*This standard has been approved for use by agencies of the Department of Defense.*

### 1. Scope

1.1 This specification covers crushed stone, crushed hydraulic-cement concrete, crushed blast-furnace slag, crushed gravel, crushed expanded shale, crushed expanded clay, and crushed expanded slate suitable for use in bituminous paving mixtures, as described in Specifications D 3515 or D 4215.

NOTE 1—Other slags having demonstrated a satisfactory service record may be used.

1.2 The values stated in SI units are to be regarded as standard. Inch-pound units, shown in parentheses, are for information only.

1.3 The text of this standard references notes and footnotes which provide explanatory material. These notes and footnotes (excluding those in tables and figures) shall not be considered as requirements of the standard.

### 2. Referenced Documents

#### 2.1 ASTM Standards:<sup>2</sup>

- C 29/C 29M Test Method for Bulk Density (Unit Weight) and Voids in Aggregate
- C 88 Test Method for Soundness of Aggregates by Use of Sodium Sulfate or Magnesium Sulfate
- C 125 Terminology Relating to Concrete and Concrete Aggregates
- C 131 Test Method for Resistance to Degradation of Small-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine
- C 136 Test Method for Sieve Analysis of Fine and Coarse Aggregates

<sup>1</sup> 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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<sup>2</sup> 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.

- C 294 Descriptive Nomenclature of Constituents of Concrete Aggregates
- D 8 Terminology Relating to Materials for Roads and Pavements
- D 75 Practice for Sampling Aggregates
- D 448 Classification for Sizes of Aggregate for Road and Bridge Construction
- D 3319 Test Method for Accelerated Polishing of Aggregates Using the British Wheel
- D 3515 Specification for Hot-Mixed, Hot-Laid Bituminous Paving Mixtures
- D 3665 Practice for Random Sampling of Construction Materials
- D 4215 Specification for Cold-Mixed, Cold-Laid Bituminous Paving Mixtures
- D 5821 Test Method for Determining the Percentage of Fractured Particles in Coarse Aggregate

### 3. Terminology

#### 3.1 Definitions:

- 3.1.1 For defining aggregate types, see Descriptive Nomenclature C 294, and Terminology D 8 and C 125.
- 3.1.2 *expanded shale, n; expanded clay, n; expanded slate, n*—the product resulting from the expanding of selected materials (shale, clay, or slate) in a rotary kiln at temperatures over 1000°C.

### 4. Ordering Information

- 4.1 Orders for the material under this specification shall include the following information:
  - 4.1.1 The specification designation and year of issue.
  - 4.1.2 The size to be furnished (see 5.2).
  - 4.1.3 The quantity required.
  - 4.1.4 Use of the coarse aggregate, whether for conventional mixtures or open-graded friction course mixtures (see 5.4), and whether for surface courses or base courses (see 5.7),
  - 4.1.5 In the case of sulfate soundness tests (5.6), which salt is to be used.
  - 4.1.6 Any special requirements.