



Designation: D8038 – 16 (Reapproved 2022)^{ε1}

Standard Practice for Reclamation of Recycled Aggregate Base (RAB) Material¹

This standard is issued under the fixed designation D8038; 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.

^{ε1} NOTE—Reapproved with editorial changes in June 2022.

1. Scope

1.1 This practice covers selected aspects for reclamation of recycled aggregate base (RAB) material derived from asphalt pavement or concrete. RAB may be called recycled asphalt pavement (RAP) or recycled concrete aggregate (RCA).

1.2 This practice is provided related to material quality, material quality control testing, and also operator and facility qualifications.

1.3 *Units*—The values stated in SI units are to be regarded as the 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 practice offers a set of instructions for performing one or more specific operations. This document cannot replace education or experience and should be used in conjunction with professional judgment. Not all aspects of this practice may be applicable in all circumstances. This ASTM standard is not intended to represent or replace the standard of care by which the adequacy of a given professional service must be judged, nor should this document be applied without consideration of a project's many unique aspects. The word "Standard" in the title means only that the document has been approved through the ASTM consensus process.

1.5 *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, health, and environmental practices and determine the applicability of regulatory limitations prior to use.*

1.6 *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 Recom-*

mendations issued by the World Trade Organization Technical Barriers to Trade (TBT) Committee.

2. Referenced Documents

2.1 ASTM Standards:

- C117 Test Method for Materials Finer than 75-μm (No. 200) Sieve in Mineral Aggregates by Washing
- C131/C131M Test Method for Resistance to Degradation of Small-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine
- C136/C136M Test Method for Sieve Analysis of Fine and Coarse Aggregates
- C535 Test Method for Resistance to Degradation of Large-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine
- C702/C702M Practice for Reducing Samples of Aggregate to Testing Size
- D8 Terminology Relating to Materials for Roads and Pavements
- D653 Terminology Relating to Soil, Rock, and Contained Fluids
- D75/D75M Practice for Sampling Aggregates
- D2940/D2940M Specification for Graded Aggregate Material for Bases or Subbases for Highways or Airports
- D6307 Test Method for Asphalt Content of Asphalt Mixture by Ignition Method
- D6928 Test Method for Resistance of Coarse Aggregate to Degradation by Abrasion in the Micro-Deval Apparatus
- E11 Specification for Woven Wire Test Sieve Cloth and Test Sieves

3. Terminology

3.1 Definitions:

3.1.1 For definitions of common technical terms in this standard, refer to Terminology D653 and D8.

3.2 Definitions of Terms Specific to This Standard:

3.2.1 *asphalt/concrete recycling facility (facility)*, *n*—the physical plant (or plants) where disposed asphalt and concrete are received, processed, tested, and stockpiled. This may include material handling operations.

3.2.2 *asphalt/concrete recycling operator (operator)*, *n*—the company or companies that receive disposed asphalt and

¹ This test method is under the jurisdiction of ASTM Committee D18 on Soil and Rock and is the direct responsibility of Subcommittee D18.14 on Geotechnics of Sustainable Construction.

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