
Standard Specification for Coarse Aggregate for Hydraulic Cement Concrete

AASHTO Designation: M 80-13 (2021)

Technically Revised: 2013

Reviewed but Not Updated: 2021

Technical Subcommittee: 1c, Aggregates



**American Association of State Highway and Transportation Officials
555 12th Street NW, Suite 1000
Washington, D.C. 20004**

Standard Specification for

Coarse Aggregate for Hydraulic Cement Concrete

AASHTO Designation: M 80-13 (2021)



Technically Revised: 2013

Reviewed but Not Updated: 2021

Technical Subcommittee: 1c, Aggregates

1. SCOPE

- 1.1. This specification covers coarse aggregate, other than lightweight aggregate, for use in concrete. Several classes and gradings of coarse aggregate are described (Notes 1 and 2). Specifications for fine aggregate are provided in M 6.

Note 1—This specification is regarded as adequate to ensure satisfactory materials for most concrete. It is recognized that, for certain work or in certain regions, it may be either more or less restrictive than needed.

Note 2—Definitions of terms used in this specification may be found in ASTM C125.

- 1.2. The values stated in SI units are to be regarded as the standard.

2. REFERENCED DOCUMENTS

- 2.1. *AASHTO Standards:*

- M 6, Fine Aggregate for Hydraulic Cement Concrete
- M 43, Sizes of Aggregate for Road and Bridge Construction
- R 80, Determining the Reactivity of Concrete Aggregates and Selecting Appropriate Measures for Preventing Deleterious Expansion in New Concrete Construction
- R 90, Sampling Aggregate Products
- T 11, Materials Finer Than 75- μ m (No. 200) Sieve in Mineral Aggregates by Washing
- T 19M/T 19, Bulk Density ("Unit Weight") and Voids in Aggregate
- T 27, Sieve Analysis of Fine and Coarse Aggregates
- T 96, Resistance to Degradation of Small-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine
- T 104, Soundness of Aggregate by Use of Sodium Sulfate or Magnesium Sulfate
- T 112, Clay Lumps and Friable Particles in Aggregate
- T 113, Lightweight Particles in Aggregate

- 2.2. *ASTM Standards:*

- C125, Standard Terminology Relating to Concrete and Concrete Aggregates
- STP169D, *Significance of Tests and Properties of Concrete and Concrete-Making Materials*