



STANDARD SPECIFICATIONS
FOR
BROKEN SLAG FOR BITUMINOUS CONCRETE
(FINE-GRADED AGGREGATE TYPE)¹

Serial Designation: D 161 - 27

These specifications are issued under the fixed designation D 161; the final number indicates the year of original adoption as standard or, in the case of revision, the year of last revision.

ISSUED AS TENTATIVE, 1923; ADOPTED IN AMENDED FORM, 1927.

Scope.

1. These specifications cover slag aggregate to be used in the construction of a bituminous concrete wearing surface constructed by the mixing method.

General
Character-
istics.

2. The broken slag shall be air-cooled blast-furnace slag and shall consist of angular fragments reasonably uniform in density and quality, and reasonably free from thin, elongated or glassy pieces, dirt or other objectionable matter.

Weight.

3. The weight per cubic foot shall be not less than 70 lb.

Slag
Aggregate
0 to $\frac{1}{4}$ -in
Size.

4. The slag aggregate is that portion of the product of the crusher, which, when tested by means of laboratory screens, shall conform to the following requirements:

Passing $\frac{1}{4}$ -in. screen.....95 to 100 per cent

Passing $\frac{1}{8}$ -in. screen.....0 to 75 "

Methods of
Testing.

5. *Weight per Cubic Foot.*—The weight per cubic foot shall be determined in accordance with the Standard Method of Test for Unit Weight of Aggregate for Concrete (Serial Designation: C 29) of the American Society for Testing Materials.²

Sampling.

6. The method of sampling shall conform to the Standard Methods of Sampling Stone, Slag, Gravel, Sand and Stone Block for Use as Highway Materials, Including Some Material Survey Methods (Serial Designation: D 75) of the American Society for Testing Materials.³

¹ Under the standardization procedure of the Society, these specifications are under the jurisdiction of the A.S.T.M. Committee D-4 on Road and Paving Materials.

² See p. 120.

³ See p. 473.