STANDARD SPECIFICATIONS

FOR

BROKEN SLAG FOR BITUMINOUS MACADAM WEARING COURSE[1]

Serial Designation: D 159 - 27

These specifications are issued under the fixed designation D 159; 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 $\frac{3}{4}$ to $\frac{1}{4}$-in., $1\frac{1}{4}$ to $\frac{3}{4}$-in., and $2\frac{1}{2}$ to $1\frac{1}{4}$-in. or $3\frac{1}{2}$ to $2\frac{1}{2}$-in. size slag to be used in the construction of a bituminous macadam wearing course in which the bituminous material is applied by the penetration method. The maximum size of $3\frac{1}{2}$ in. specified for the wearing course is on the basis of a course $2\frac{1}{2}$ to $3\frac{1}{2}$ in. in thickness after consolidation. The $1\frac{1}{4}$ to $\frac{3}{4}$-in. size should be used to fill the surface voids after the first application of bituminous material, and the $\frac{3}{4}$ to $\frac{1}{4}$-in. size after the application of the seal coat.

General Characteristics.

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 of each size specified shall not be less than 70 lb.

$\frac{3}{4}$ to $\frac{1}{4}$-in. Size.

4. The $\frac{3}{4}$ to $\frac{1}{4}$-in. size is that portion of the product of the crusher, which, when tested by means of laboratory screens, shall meet the following requirements:

Passing $\frac{3}{4}$-in. screen	not less than 95 per cent
Passing $\frac{1}{2}$-in. screen	25 to 75 "
Passing $\frac{1}{4}$-in. screen	not more than 15 "

$1\frac{1}{4}$ to $\frac{3}{4}$-in. Size.

5. The $1\frac{1}{4}$ to $\frac{3}{4}$-in. size is that portion of the product of the crusher, which, when tested by means of laboratory screens, shall meet the following requirements.

Passing $1\frac{1}{4}$-in. screen	not less than 95 per cent
Passing 1-in. screen	25 to 75 "
Passing $\frac{3}{4}$-in. screen	not more than 15 "

[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.