



STANDARD SPECIFICATIONS FOR BROKEN SLAG FOR BITUMINOUS MACADAM BASE¹

Serial Designation: D 195 - 27

These specifications are issued under the fixed designation D 195; 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, 1924; ADOPTED, 1927.

1. These specifications cover $\frac{3}{4}$ to $1\frac{1}{4}$ -in., $1\frac{1}{4}$ to $2\frac{1}{2}$ -in., and $2\frac{1}{2}$ to $3\frac{1}{2}$ -in. size broken slag to be used in the construction of a bituminous macadam base in which the bituminous material is applied by the penetration method and which is to be covered with any type of surface course.

The $2\frac{1}{2}$ to $3\frac{1}{2}$ -in. size is intended for use as a first course, which will be penetrated with bituminous material, when a base of over $3\frac{1}{2}$ in. is desired.

The $1\frac{1}{4}$ to $2\frac{1}{2}$ -in. size is intended for use as a second course which is to be penetrated with bituminous material.

The $\frac{3}{4}$ to $1\frac{1}{4}$ -in. size is intended to fill the surface voids when a sheet asphalt or a fine-graded bituminous concrete is to be placed directly upon it. This material can be omitted when a coarse-graded bituminous concrete or a binder course is to be laid directly upon the base.

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.

General
Character-
istics.

3. The weight per cubic foot of each size specified shall not be less than 65 lb.

Weight.

4. The coarse slag when tested by means of laboratory screens shall conform to the following requirements:

2½ to 3½-in.
and
1½ to 2½-in.
Size.

- (a) Passing $3\frac{1}{2}$ -in. screen.....not less than 95 per cent
- Total passing $2\frac{1}{2}$ -in. screen.....not more than 15 "
- (b) Passing $2\frac{1}{2}$ -in. screen.....not less than 95 per cent
- Total passing $1\frac{1}{2}$ -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.