
Standard Method of Test for Abrasion Loss of Asphalt Mixture Specimens

AASHTO Designation: TP 108-14 (2020)¹

**Technical Subcommittee: 2d, Proportioning
of Asphalt–Aggregate Mixtures**

Release: Group 3 (July)



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

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1. SCOPE

- 1.1. This test method describes the procedure for determining the percent abrasion loss of asphalt mixture specimens using the Los Angeles abrasion machine.
- 1.2. *This standard may involve hazardous materials, operations, and equipment. This standard does not purport to address all of the safety problems associated with its use. It is the responsibility of the user of this standard to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use.*
- 1.3. The values stated in SI units are to be regarded as the standard.

2. REFERENCED DOCUMENTS

- 2.1. *AASHTO Standards:*
 - M 231, Weighing Devices Used in the Testing of Materials
 - PP 77, Materials Selection and Mixture Design of Permeable Friction Courses (PFC)
 - R 97, Sampling Asphalt Mixtures
 - T 96, Resistance to Degradation of Small-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine
 - T 312, Preparing and Determining the Density of Asphalt Mixture Specimens by Means of the Superpave Gyratory Compactor
- 2.2. *ASTM Standards:*
 - D7227/D7227M, Standard Practice for Rapid Drying of Compacted Asphalt Mixture Specimens Using Vacuum Drying Apparatus
 - E1, Standard Specification for ASTM Liquid-in-Glass Thermometers
- 2.3. *Other Document:*
 - *National Cooperative Highway Research Report 640: Construction and Maintenance Practices for Permeable Friction Courses.* NCHRP, Transportation Research Board, 2009.

3. TERMINOLOGY

- 3.1. *Definitions:*