



Standard Terminology Relating to Vehicle-Pavement Systems¹

This standard is issued under the fixed designation E867; the number immediately following the designation indicates the year of original adoption or, in the case of revision, the year of last revision. A number in parentheses indicates the year of last reapproval. A superscript epsilon (ϵ) indicates an editorial change since the last revision or reapproval.

1. Scope

1.1 This terminology covers definitions for approved standards under the jurisdiction of ASTM Committee E17 on Vehicle-Pavement Systems. Definitions of terms specific to an individual standard are listed in the appendix. For additional information, see Terminology D8, Terminology F538, Special Report 113, *Special Report 113, Standard Nomenclature and Definitions for Pavement Components and Deficiencies*³, and SAE J 2047, or contact ISO, PIARC, or CEN.

1.2 Other publications may reference this terminology for terms used therein.

1.3 The standard containing the term and the responsible subcommittee of Committee E17 is listed at the end of each definition. Revision of the listed standard by that subcommittee will include review of the definition and approved changes or additions will be incorporated herein.

1.4 The terms in this terminology standard are listed in categories of the five groups of Committee E17. These are definitions that are in multiple standards in various subcommittees in Groups II to V. The structure of E17 is as follows: Group II on Skid Resistance, E17.21, E17.22, E17.23, E17.24, Group III Roughness E17.31, E17.32, Group IV Pavement Management E17.41, and Group V Intelligent Transportation Systems E17.51, E17.52, E17.54.

1.5 This terminology lists the definition as presented in the approved standards. Variation of any term is also listed and referenced to the defined term (for example the term *hydroplaning*, *viscous* is also listed and referenced to the defined **viscous hydroplaning**).

1.6 The term and its elements should appear in the following order; term; abbreviation; symbol; dimensions of quantities, measurement units; part of a speech; delimiting phrase; statement of meaning, including specifications limits where applicable; cross references to synonyms or related terms; attribution.

¹ This terminology is under the jurisdiction of ASTM Committee E17 on Vehicle - Pavement Systems and is the direct responsibility of Subcommittee E17.14 on Terminology.

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2. Referenced Documents

2.1 ASTM Standards:²

- D8 Terminology Relating to Materials for Roads and Pavements
- E274 Test Method for Skid Resistance of Paved Surfaces Using a Full-Scale Tire
- E556 Test Method for Calibrating a Wheel Force or Torque Transducer Using a Calibration Platform (User Level)
- E950 Test Method for Measuring the Longitudinal Profile of Traveled Surfaces with an Accelerometer Established Inertial Profiling Reference
- E965 Test Method for Measuring Pavement Macrotexture Depth Using a Volumetric Technique
- E1166 Guide for Network Level Pavement Management
- E1170 Practices for Simulating Vehicular Response to Longitudinal Profiles of Traveled Surfaces
- E1215 Specification for Trailers Used for Measuring Vehicular Response to Road Roughness
- E1274 Test Method for Measuring Pavement Roughness Using a Profilograph
- E1318 Specification for Highway Weigh-In-Motion (WIM) Systems with User Requirements and Test Methods
- E1337 Test Method for Determining Longitudinal Peak Braking Coefficient of Paved Surfaces Using Standard Reference Test Tire
- E1448 Practice for Calibration of Systems Used for Measuring Vehicular Response to Pavement Roughness
- E1489 Practice for Computing Ride Number of Roads from Longitudinal Profile Measurements Made by an Inertial Profile Measuring Device
- E1656 Guide for Classification of Automated Pavement Condition Survey Equipment
- E1703/E1703M Test Method for Measuring Rut-Depth of Pavement Surfaces Using a Straightedge
- E1778 Terminology Relating to Pavement Distress
- E1845 Practice for Calculating Pavement Macrotexture Mean Profile Depth

² For referenced ASTM standards, visit the ASTM website, www.astm.org, or contact ASTM Customer Service at service@astm.org. For *Annual Book of ASTM Standards* volume information, refer to the standard's Document Summary page on the ASTM website.