



Standard Terminology Relating to Walkway Safety and Footwear¹

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1. Scope

1.1 The terminology standard covers terminology related to walkway safety and footwear.

1.2 Words adequately defined in standard dictionaries are not included. Included are words that are particular to this industry and those contained in standards under the jurisdiction of ASTM Committee F13 on Pedestrian/Walkway Safety and Footwear.

2. Referenced Documents

2.1 ASTM Standards:²

D5859 Test Method for Determining the Traction of Footwear on Painted Surfaces Using the Variable Incidence Tester (Withdrawn 2005)³

F489 Test Method for Using a James Machine (Withdrawn 2005)³

F609 Test Method for Using a Horizontal Pull Slipmeter (HPS)

F694 Test Method for Heel-Attaching Strength of Women's Shoes (Withdrawn 2008)³

F695 Practice for Ranking of Test Data Obtained for Measurement of Slip Resistance of Footwear Sole, Heel, and Related Materials

F802 Guide for Selection of Certain Walkway Surfaces When Considering Footwear Traction (Withdrawn 2012)³

F1240 Guide for Ranking Footwear Bottom Materials on Contaminated Walkway Surfaces According to Slip Resistance Test Results

F1637 Practice for Safe Walking Surfaces

F1694 Guide for Composing Walkway Surface Investigation, Evaluation and Incident Report Forms for Slips, Stumbles, Trips, and Falls

F2232 Test Method for Determining the Longitudinal Load Required to Detach High Heels from Footwear

F2412 Test Methods for Foot Protection

F2413 Specification for Performance Requirements for Protective (Safety) Toe Cap Footwear

F2508 Practice for Validation, Calibration, and Certification of Walkway Tribometers Using Reference Surfaces

F2892 Specification for Performance Requirements for Soft Toe Protective Footwear (Non-Safety / Non-Protective Toe)

F2913 Test Method for Measuring the Coefficient of Friction for Evaluation of Slip Performance of Footwear and Test Surfaces/Flooring Using a Whole Shoe Tester

F2948 Guide to Walkway Auditor Qualifications

F2965 Guide for Selection of Walkway Surfaces and Treatments When Considering Aggressive Contaminant Conditions in Commercial and Industrial (Not Including Construction) Environments

F2966 Guide for Snow and Ice Control for Walkway Surfaces

3. Terminology

adhesion, *n*—the tendency of one surface to adhere to another surface prior to movement due to dwell time, as well as other factors.

aggressive contaminants, *n*—substances that create a gross separation between the footwear bottom and the walkway surface. **F2965**

anti-icing materials, *n*—dry or liquid snow and ice control materials applied before a snow and ice event intended to prevent precipitation from bonding (that is, freezing) with the pavement, or weaken bonds formed for easier removal. **F2966**

arch, *n*—the bony framework of the foot extending from the heel to the toes and sustained by the muscles and ligaments in the form of an arch. Also, the bottom curve of a shoe last from heel to ball.

barefoot, *adv or adj*—with the feet uncovered or unclothed; without shoes or stockings.

bollard, *n*—a thick, low, short, post, often of iron or steel and usually used in series, provided for the purpose of excluding

¹ This terminology is under the jurisdiction of ASTM Committee F13 on Pedestrian/Walkway Safety and Footwear and is the direct responsibility of Subcommittee F13.91 on Editorial and Terminology.

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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.

³ The last approved version of this historical standard is referenced on www.astm.org.