



Standard Specification for Determination of Accessibility of Surface Systems Under and Around Playground Equipment¹

This standard is issued under the fixed designation F1951; 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.

INTRODUCTION

The need for systematic and consistent means of evaluating the capability of surface systems to provide access to playgrounds has been amplified by the passage of the Federal Americans with Disabilities Act. The goal of this specification is to establish uniform means to measure the characteristics of surface systems in order to provide the potential buyer with performance specifications to select materials for use as an accessible surface under and around playground equipment.

1. Scope

1.1 This specification establishes minimum characteristics for those factors that determine accessibility. This specification applies to all types of materials that can be used under and around playground equipment.

1.2 The material under and around playground equipment that meets this specification must also comply with Specification **F1292** if the surface is within the fall zone.

1.3 This specification does not imply that an injury cannot be incurred if the surface system complies with this specification.

1.4 The values stated in inch-pound units are to be regarded as standard. The values given in parentheses are mathematical conversions to SI units that are provided for information only and are not considered standard. (See **IEEE/ASTM SI 10**.)

1.5 The following precautionary statement pertains only to the test method portions, Sections 6 and 7, of this specification: *This standard does not purport to address all of the safety concerns, if any, 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 This specification is under the jurisdiction of ASTM Committee **F08** on Sports Equipment, Playing Surfaces, and Facilities and is the direct responsibility of Subcommittee **F08.63** on Playground Surfacing Systems.

Current edition approved June 1, 2014. Published July 2014. Originally approved in 1999. Last previous edition approved in 2009 as F1951 – 09b. DOI: 10.1520/F1951-14.

2. Referenced Documents

2.1 ASTM Standards:²

IEEE/ASTM SI 10 American National Standard for Use of the International System of Units (SI): The Modern Metric System

E177 Practice for Use of the Terms Precision and Bias in ASTM Test Methods

E691 Practice for Conducting an Interlaboratory Study to Determine the Precision of a Test Method

F1292 Specification for Impact Attenuation of Surfacing Materials Within the Use Zone of Playground Equipment

F1487 Consumer Safety Performance Specification for Playground Equipment for Public Use

2.2 U.S. Architectural and Transportation Barriers Compliance Board Document:³

Americans with Disabilities Act Accessibility Guidelines for Buildings and Facilities

2.3 U.S. Consumer Product Safety Commission Document:⁴

US CPSC Publication No. 325 Handbook for Public Playground Safety (2010)

3. Terminology

3.1 Definitions of Terms Specific to This Standard:

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 Available from United States Access Board, 1331 F Street, NW, Suite 1000, Washington, DC 20004-1111, <http://www.access-board.gov/>.

⁴ Available from United States Consumer Product Safety Commission, 4330 East West Highway, Bethesda, MD, 20814, <http://www.cpsc.gov/>.