



Designation: **F2966 – 13 F2966 – 19**

Standard Guide for Snow and Ice Control for Walkway Surfaces¹

This standard is issued under the fixed designation F2966; 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 guide covers snow and ice control procedures. It is intended to recommend known methods to bring about reasonably safe walkways where snow and ice may impact the safety of pedestrians.

1.2 Conformance with this guide will not alleviate all snow and ice hazards; however, conformance represents a reasonable effort to reduce pedestrian risks associated with snow and ice.

1.3 *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~~ safety, health, and ~~health~~ environmental practices and determine the applicability of regulatory limitations prior to use.*

1.4 *This international standard was developed in accordance with internationally recognized principles on standardization established in the Decision on Principles for the Development of International Standards, Guides and Recommendations issued by the World Trade Organization Technical Barriers to Trade (TBT) Committee.*

2. Referenced Documents

2.1 ASTM Standards:²

F1637 Practice for Safe Walking Surfaces

F1646 Terminology Relating to Walkway Safety and Footwear

3. Terminology

3.1 See Terminology F1646 for the following terms: fall, friction, pedestrian, ramp, sidewalk, slip, slip resistant, and walkway.

3.2 *Definitions of Terms Specific to This Standard:*

3.2.1 *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.³

3.2.2 *de-icing materials, n*—snow and ice melting products applied on top of a layer of snow or ice, or both, that is bonded to the pavement.

3.2.2.1 *Discussion*—

Can also be applied proactively, during, or after plowing or snow and ice removal.³

4. Significance and Use

4.1 This guide outlines key elements of snow and ice control on walkway surfaces.

5. Snow/Ice Control

5.1 *General:*

¹ This guide is under the jurisdiction of ASTM Committee F13 on Pedestrian/Walkway Safety and Footwear and is the direct responsibility of Subcommittee F13.50 on Walkway Surfaces.

Current edition approved July 1, 2013; Dec. 1, 2019. Published August 2013; January 2020. Originally approved in 2013. Last previous edition approved in 2013 as F2966 – 13. DOI: 10.1520/F2966-13; 10.1520/F2966-19.

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 *National Cooperative Highway Research Program (NCHRP) Report 577: Guidelines for the Selection of Snow and Ice Control Materials to Mitigate Environmental Impacts*, Transportation Research Board of the National Academies, 2007.