



Specification for Window Fall Prevention Devices With Emergency Escape (Egress) Release Mechanisms¹

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INTRODUCTION

This consumer safety specification addresses window fall prevention devices that protect against potential falls by children aged five years and under from windows.

A special study² by the U.S. Consumer Product Safety Commission indicates that young children are at high risk of death and serious injury from window falls. Children aged five and younger account for a higher percentage of window fall fatalities and injuries³.

Window fall prevention devices usually differ in purpose and application from security/burglar bars. The general purpose of a window fall prevention device is to prevent a child age five or younger from falling from a window. The general purpose of a security bar is to prevent unlawful entry through a window. Generally window fall prevention devices and security bars are two separate devices. However, a security bar could be used as a fall prevention device if it meets the requirements of this specification.

1. Scope

1.1 This specification establishes requirements for devices intended to address the risk of injury and death associated with accidental falls from windows by children five years old and younger.

1.2 This specification is not intended to meet the unique requirements of Americans With Disabilities Act (ADA).

1.3 This specification applies to window fall prevention devices that are to be used on any windows, including those that are designated for emergency escape (egress) and rescue (ingress).

NOTE 1—A separate safety specification, Safety Specification F 2006, covers window fall prevention devices for non-emergency escape (egress) and rescue (ingress) windows in installations more than 75 feet⁴ (23 m) above ground level in multiple family dwelling buildings.

1.4 *This standard does not purport to address all 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 to determine the applicability of regulatory limitations prior to use.

1.5 The values stated in inch–pound units are to be regarded as the standard. The SI values given in parentheses are for information only.

2. Referenced Documents

2.1 ASTM Standards:

- F 977 Consumer Safety Specification for Infant Walkers⁵
- F 1487 Consumer Safety Performance Specification for Playground Equipment for Public Use⁵
- F 2006 Safety Specification for Window Fall Prevention Devices for Non-Emergency Escape Egress and Rescue Ingress Windows⁵

2.2 Code of Federal Regulations:⁶

- 16 CFR 1500.53 Test Methods for Simulating Use and Abuse of Toys and Other Articles Intended for Use by Children Over 36 But Not Over 96 Months of Age, (f)(3) Testing Procedure
- 16 CFR 1508.6(b) Requirements for Full-Size Baby Cribs CPSC 16 CFR Chapter 11 (1-1-87 Edition) Part 1201 Safety Standard for Architectural Glazing Materials

¹ This specification is under the jurisdiction of ASTM Committee F15 on Consumer Products and is the direct responsibility of Subcommittee F15.38 on Window Fall Prevention.

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² U.S. Consumer Product Safety Commission, *Special Window Falls Study*, conducted in 1991.

³ U.S. Consumer Product Safety Commission, *Special Window Falls Study*, conducted in 1991 and “Window Safety: Data and Patterns Related to Entrapments and Accidental Falls from Windows,” prepared by Andersen Corporation.

Research Report F15-1002 available through ASTM

⁴ 1994 *Uniform Building Code Handbook*, Section 1807(a) and 2000 *International Building Code*, Section 403.1, Special Provisions for Groups B and R1, January 2000.

⁵ *Annual Book of ASTM Standards*, Vol 15.07.

⁶ *Code of Federal Regulations*, available from U.S. Government Printing Office, Washington, DC 20402.