



Standard Guide for Installation of Paintball Barrier Netting¹

This standard is issued under the fixed designation F2184; 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

This guide is intended to outline installation requirements for the safe and effective installation of paintball barrier netting. The proper installation of safe paintball barrier netting at paintball playing facilities is critical to protect non-players from accidental impact of a paintball.

Paintball is a sport that, like all sports, has intrinsic hazards for the active participants. These hazards include being hit by paintballs. Spectators not separated from the active playing field by an appropriate barrier can experience accidental impact of a paintball. Although surrounding an active playing field with paintball barrier netting cannot eliminate all injuries, paintball barrier netting can substantially reduce the severity and frequency of injuries when properly installed.

This guide is written within the current state-of-the-art of paintball barrier netting technology. The intent is to revise this guide whenever substantive information becomes available that justifies revising existing requirements or adding new requirements.

1. Scope

1.1 This guide provides recommendations for the installation of paintball barrier netting that may be used to delineate playing fields, chronograph areas, target ranges, and other “goggle-on” areas of an active paintball site.

1.2 The values stated in SI units are to be regarded as the standard. The inch-pound units in parentheses are provided for information only.

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 and health practices and determine the applicability of regulatory requirements prior to use.*

2. Referenced Documents

2.1 *ASTM Standards:*²

F1979 Specification for Paintballs Used in the Sport of Paintball

F2272 Specification for Paintball Markers

F2278 Test Method for Evaluating Paintball Barrier Netting

¹ This guide is under the jurisdiction of ASTM Committee F08 on Sports Equipment, Playing Surfaces, and Facilities and is the direct responsibility of Subcommittee F08.24 on Paintball and Equipment.

Current edition approved May 1, 2014. Published September 2014. Originally approved in 2002. Last previous edition approved in 2010 as F2184 – 10. DOI: 10.1520/F2184-10R14.

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. Terminology

3.1 *Definitions of Terms Specific to This Standard:*

3.1.1 *barrel, n*—that portion of a paintball marker through which the paintball is discharged.

3.1.2 *billowing, n*—lateral movement of the netting that may occur from influence of the wind.

3.1.3 *muzzle, n*—the end of the barrel at which the ball exits the barrel.

3.1.4 *paintball, n*—a spherical ball, composed of a shell and a fill, that is designed to be expelled from a paintball marker and conforms to Specification **F1979**.

3.1.5 *paintball barrier netting, n*—netting used in the sport of paintball as a protective barrier.

3.1.6 *paintball marker, n*—a device specifically designed to discharge paintballs that conforms to Specification **F2272**.

3.1.7 *SAT (Standard Ambient Temperature), n*—used to describe a substance at a temperature of $25 \pm 2^\circ\text{C}$ ($77 \pm 4^\circ\text{F}$).

3.1.8 *shell, n*—a rigid to semi-rigid material (generally of gelatin) that encapsulates the fill of a paintball.

4. Significance and Use

4.1 This guide recommends minimum installation requirements to provide a reasonable degree of safety in the normal use of paintball barrier netting.

5. General Requirements

5.1 *Layout (see Fig. 1):*