



~~Designation: F 1117-93 (Reapproved 1998)~~ Designation: F 1117 – 03 (Reapproved 2008)

## ~~Standard Specification for Dielectric Overshoe Footwear~~ Dielectric Footwear<sup>1</sup>

This standard is issued under the fixed designation F 1117; 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 ( $\epsilon$ ) indicates an editorial change since the last revision or reapproval.

### 1. Scope

1.1 This specification covers acceptance testing of dielectric overfoot and overshoe footwear designed to provide additional isolation or insulation of workers if in accidental contact with energized electrical conductors, apparatus, or circuits.

1.2 Three styles of overshoe footwear are provided and are designated as ~~Style A, rubbers; Style B, boots; rubbers, boots, and Style C, galoshes.~~

### 2. Referenced Documents

2.1 *ASTM Standards:*<sup>2</sup>

~~F819 Definitions of Terms Relating to Electrical Protective Equipment for Workers~~ 819 Terminology Relating to Electrical Protective Equipment for Workers

F 1116 Test Method for Determining Dielectric Strength of ~~Overshoe~~ Dielectric Footwear

### 3. Terminology

3.1 *Definitions*—Definitions pertaining to electrical protective equipment may be found in Definitions F 819.

3.2 *Definitions of Terms Specific to This Standard:*

3.2.1 *sole*—the underside of the rubber, boot, or galosh that would normally be in contact with the ground. The sole is normally one piece and constructed of a molded elastomer.

~~3.2.2~~ *foot portion*—the portion of the footwear below the wearer's ankle bone.

~~3.2.3~~ *user*—~~as used in 4.3.1, the entity employing the actual worker(s) utilizing the equipment; if no separate employer, then the individual.~~ as used in 4.3.1, the entity employing the actual worker(s) utilizing the equipment; if no separate employer, then the individual.

### 4. Significance and Use

4.1 This specification covers the minimum electrical properties of ~~overshoe~~ dielectric footwear guaranteed by the manufacturer and the detailed procedures by which such properties are to be determined. The purchaser may, at his option, perform or have performed these tests in order to verify the guarantee. Claims for failure to meet the specification are subject to verification by the manufacturer.

4.2 Electrical contact injuries to workers may involve a current path through the feet of the worker. The footwear covered by this specification is dielectrically rated to provide additional isolation or insulation to the worker.

4.3 Work practices vary from user to user depending upon many factors. These may include, but are not limited to, operating system voltages, construction design, work procedures and techniques, weather conditions, etc. Therefore, except for the restrictions set forth in this specification because of design limitations, the use and maintenance of this equipment is beyond the scope of this specification.

4.3.1 It is common practice and the responsibility of the user of this type of protective equipment to prepare complete instructions and regulations to govern the correct and safe use of such equipment.

### 5. Classification

~~5.1 Overshoe footwear covered under this specification shall be designated as Style A, B, or C.~~ Classification

<sup>1</sup> This specification is under the jurisdiction of ASTM Committee F-18 on Electrical Protective Equipment for Workers and is the direct responsibility of Subcommittee F18.15 on Worker Personal Equipment.

Current edition approved Dec. 15, 1993. Published February 1994. Originally published as F1117-87. Last previous Edition F1117-87.

<sup>2</sup> This specification is under the jurisdiction of ASTM Committee F18 on Electrical Protective Equipment for Workers and is the direct responsibility of Subcommittee F18.15 on Worker Personal Equipment.

Current edition approved April 1, 2008. Published April 2008. Originally approved in 1993. Last previous edition approved in 2003 as F 1117-03.

<sup>3</sup> For referenced ASTM standards, visit the ASTM website, [www.astm.org](http://www.astm.org), or contact ASTM Customer Service at [service@astm.org](mailto:service@astm.org). For *Annual Book of ASTM Standards*, Vol 14.03, volume information, refer to the standard's Document Summary page on the ASTM website.