

ANSI/ISEA

203-2018

American National Standard
for Secondary Single-Use Flame Resistant
Protective Clothing for Use Over Primary
Flame Resistant Protective Clothing

**American National Standard for
Secondary Single-Use Flame Resistant
Protective Clothing for Use Over
Primary Flame Resistant Protective Clothing**

Secretariat

International Safety Equipment Association

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American National Standards Institute, Inc.

American National Standard

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Foreword (This Foreword is not part of American National Standard ANSI/ISEA 203-2018)

As many work environments remain increasingly complex and create potential exposure to multiple hazards simultaneously, it is imperative that workers are adequately protected. Selection of appropriate protective clothing is particularly important where flash fire or flame hazards exist. Although the employee will be wearing a primary thermal garment to protect against these hazards, other tasks being performed may require the use of a secondary garment to provide barrier protection to prevent the primary item from becoming contaminated with dirt, paint, grease and oil, solvents or other contaminants.

To address the gaps in appropriately evaluating such clothing, the International Safety Equipment Association (ISEA) has developed this new standard to establish minimum performance and labeling requirements for secondary single-use flame resistant protective clothing. These are commonly used in utility work and refinery maintenance and in steel processing facilities where metal is being cut or welded.

Apparel covered by ISEA 203-2018 is designed for use in industrial settings where flame hazards may exist and such clothing will not negatively impact the thermal performance afforded by the primary flame resistant protective clothing worn that is worn underneath. Compliant items are independently evaluated for flame resistance and evaluated for flash fire exposure by layering the garment over a primary thermal garment.

This standard was prepared by members of the Protective Apparel of the International Safety Equipment Association (ISEA). The following companies were members of the group at the time of the approval of the standard:

Ansell Protective Products
Bulwark FR
Carhartt
DuPont Personal Protection
Encon Safety Products
Gentex Corporation
Honeywell Safety Products
International Enviroguard
Ironwear

Kimberly-Clark Professional
Lakeland Industries, Inc.
3M Company
Magid Glove and Safety
NASCO Industries
National Safety Apparel
OccuNomix International LLC
Rasco FR

This standard was approved using consensus procedures prescribed by the American National Institute. The following organizations were contacted prior to the approval of this standard. Inclusion in this list does not necessarily imply that the organization concurred with the submittal of the proposed standard to ANSI.

American Wind Energy Association
ArcWear
City of Seattle
Citgo
FCx Performance
Freight Car America
Heritage Thermal
Investa
International Personnel Protection, Inc.
Kimble Companies

Milliken, Inc.
NEMO Inc.
NR Energy
Mr. Roy Supak, CSP
Syracuse Utilities
Tulane University
UL, LLC
Valero
Workrite Uniforms

Inquiries related to the standard and suggestions to improve the document can be emailed to isea@safetysystem.org.

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