



INTERNATIONAL SAFETY  
EQUIPMENT ASSOCIATION

*The Catalyst for Safety Worldwide*



# ANSI/ISEA 107-2020

**Updates to industry High-Visibility Safety  
Apparel Standard**



## ANSI/ISEA 107-2020 Update

### Overview

- Accessories
- Single-Use Disposable Coveralls
- Overall Luminance
- Labeling
- Other Updates
- Future Considerations



## Recap of key elements of ANSI/ISEA 107

Garment types:

O - "off-road" and "non-roadway" use.

217 sq. in Background material; 155 sq. in of Reflective/Comb. Material;

R - "roadway" use, temporary traffic control zones

Class 2: 775 sq in Background material; 201 sq. in Reflective/Combined material;

Class 3: 1240 sq. in Background material; 310 sq. in Reflective/combined material

P - "emergency and incident responders" and "law enforcement"

Class 2: 450 sq. in. // Class 3: 775 sq. in.

E - Supplemental items: pants, overall, rain pants, etc... 465 sq. in. Background material



## **ANSI/ISEA 107-2020 Update**

### **Accessories**

- No longer included in scope
- Did not contribute to the overall minimum amounts of material
- Redirected emphasis to the HV garment
- Acknowledged in foreword - enhance visibility of the wearer



## ANSI/ISEA 107-2020

### Single-Use Disposable Coveralls

- Identified as a stand-alone HV configuration
- “Dirty” work environments - waste management/remediation; paving; roadway painting
- Minimum material amounts must still be met
- Different material integrity tests due to laundering regime
- Unique product label

# ANSI/ISEA 107-2020 Update

## Single-Use Disposable Coveralls

**XYZ Company**  
**ANSI/ISEA 107-2020**  
**100% High Density Polyethylene**  
**Model #: ABC**  
**Size: Large**



**Type R**  
**Class 3**

**This garment meets the single-use disposable coverall requirements of ANSI/ISEA 107-2020, Section 11.**

**SINGLE USE ONLY**

**DO NOT REMOVE THIS LABEL**

Specific configuration call out

Reiteration of intended service life - single-use



## **ANSI/ISEA 107-2020**

### **Overall Luminance**

- Optional assessment and optional reporting
- Resulting data illustrates the 360° retroreflective performance of the garment
- Can be used to compare garments when used in nighttime activities
- Future work may lead to varied garment design options


# ANSI/ISEA 107-2020 Update

## Labeling

- Unique one for single-use disposable coveralls
- Removed cleaning processes number - avoid misinterpretation as an end-of-life designation
- Flexibility in placement of pictogram markings - split, left or right




XYZ Company  
ANSI/ISEA 107-2020  
100% Modacrylic  
Model #: ABC  
Size: Large



Type R  
Class 2  
FR ASTM F1506-19

Washing Instructions:



Machine wash warm, 40 °C (105 °F)  
Do not bleach  
Tumble dry low  
Do not iron  
Do not dry clean

Left or right side



## **ANSI/ISEA 107-2020**

### **Other Updates**

- Definitions, referenced test methods
- Clarity in material measurement for adjustable garments to smallest size
- Gap allowances in background material to accommodate color-blocking designs
- Material performance criteria updates to align with international standards and new material constructs



## Future of ANSI/ISEA 107

### Topics for Consideration

- Expansion of acceptable colors - HV pink
- Active lighting solutions
- Arc/flash protection



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