



DONE RIGHT.™

VISIBILITY APPAREL

INFORMATION & PRODUCT GUIDE



DONE RIGHT.™



Good Work
**ALWAYS GETS
NOTICED.**

IN THE LINE OF SIGHT

Thousands of workers are exposed to potentially harmful working conditions every day, whether it be running heavy equipment on a construction site or repairing a pot hole on a federal highway. That's why it's important that workers can always be seen to avoid serious or fatal injuries while on the job. Red Kap offers a variety of visibility apparel products, many of which meet the American National Standards Institute (ANSI) standards, making workers not only safe but compliant.

WHAT IS HI-VISIBILITY?



All workers, including emergency responders, within the right-of-way who are exposed either to traffic (vehicles using the highway for purposes of travel) or to work vehicles and construction equipment within the TTC zone shall wear high-visibility safety apparel that meets the Performance Class 2 or 3 requirements of the ANSI/ISEA 107-2004 publication entitled “American National Standard for High-Visibility Safety Apparel and Headwear” (see Section 1A.11), or

equivalent revisions, and labeled as meeting the ANSI/ISEA 107-2004 standard performance for Class 2 or 3 risk exposure, except as provided in Paragraph 5. A person designated by the employer to be responsible for worker safety shall make the selection of the appropriate class of garment.

2009 Manual on Uniform Traffic Control Devices
Sect. 6D.03

INTRODUCTION TO ANSI STANDARD

The American National Standard for High-Visibility Safety Apparel and Headwear (**ANSI/ISEA 107-2010**) is a standard established by **AMERICAN NATIONAL STANDARDS INSTITUTE**. Construction, maintenance, utility, emergency responders, airport ramp personnel and other workers are routinely exposed to the hazards of low visibility while on the job.

This standard provides guidelines for the selection and use of high-visibility safety apparel such as shirts, rainwear, outerwear, safety vests and headwear to improve worker visibility during the day, in low-light conditions and at night.

The **ANSI/ISEA 107-1999** standard was the first U.S. standard for the design and performance of materials for high-visibility safety apparel.

Since 1999, private industry, various federal, state, and local authorities have embraced ANSI/ISEA 107 compliant garments and headwear as useful PPE for workers exposed to struck-by-hazards.

ANSI/SEA 107-1999 specifies the following criteria must be met:

- **Design**
- **Requirements for Background and Combined-Performance Retro-reflective materials**
- **Photometric and Physical Performance Requirements for Retro-reflective materials**
- **Care labeling**



ULTRAVIOLET PROTECTION FACTOR (UPF) RATING

A relatively new rating designation for sun protective textiles and clothing is UPF (Ultraviolet Protection Factor). Unlike SPF (Sun Protection Factor) that measures only UVB, UPF measures both UVA and UVB.

Sun protective clothing is clothing specifically designed for sun protection and is produced from a fabric rated for its level of ultraviolet (UV) protection. A novel weave structure and denier (related to thread count per inch) may produce sun protective properties. In addition, some textiles and fabrics employed in the use of sun protective clothing may be pre-treated with UV inhibiting ingredients during manufacture to enhance their UV blocking capacity.

BE SURE TO LOOK FOR THE UPF 40 ICON TO SEE WHICH RED KAP PRODUCTS CAN HELP PROTECT YOU FROM HARMFUL UV RAYS.



UPF Rating based upon testing performed on dry fabric, pre-laundered.
Test data available upon request.

CLASSIFICATIONS

ANSI/ISEA 107-2004 AND ANSI/ISEA 107-2010 COMPLIANT SAFETY GARMENTS ARE CLASSIFIED AS FOLLOWS:



CLASS 2 GARMENTS – intended for use in activities where greater visibility is necessary during inclement weather conditions or in work environments with risks that exceed those for Class 1. Garments in this class also cover workers who perform tasks that divert their attention from approaching traffic, or that put them in close proximity to passing vehicles traveling at 25 mph or higher.

- Forestry operations
- Ship cargo loading operations
- Roadway construction
- Utility and railway workers
- School crossing guards
- Delivery vehicle drivers
- High-volume parking and toll gate personnel
- Airport baggage and handlers / ground crew
- Emergency response and law enforcement
- Trash collection and recycling operations



CLASS 3 GARMENTS – provide the highest level of visibility, and are intended for workers who face serious hazards, such as nighttime work, and often have high task loads that require attention away from their work. Garments for these workers should provide enhanced visibility to more of the body, such as arms and legs.

- Roadway construction personnel and flaggers
- Survey crews
- Utility workers
- Emergency response personnel



CLASS E GARMENTS – waistband trousers, bib overalls and shorts that meet all minimum requirements for retro-reflective and background materials, except for minimum area and placement required for Performance Class 3, 2, or 1, shall be designated Class E. Class E apparel is not intended to be worn without Performance Class 2 or 3 apparel. When Class E trousers are worn with Performance Class 2 or Class 3 apparel, the overall classification for the ensemble shall be Performance Class 3.

HI-VISIBILITY WORK SHIRT: CLASS 2 LEVEL 2 LS HW

- 360° visibility with front and back 2" silver reflective striping
- UPF 40 rating
- **ANSI 107-2004 and ANSI 107-2010 Class 2 Level 2 Compliant**

5 oz. Poplin, 100% Polyester

SS24HV SHORT SLEEVE
(Reg) S-4XL, (Long) M-2XL

SS14HV LONG SLEEVE
(Reg) M-3XL, (Long) L-2XL

COLOR: **HV**

SS24O2 SHORT SLEEVE
(Reg) S-3XL, (Long) M-2XL

SS14O2 LONG SLEEVE
(Reg) S-3XL, (Long) S-3XL

COLOR: **O2**



HV fluorescent yellow / green



O2 fluorescent orange



SS14HV



BACK

HI-VISIBILITY WORK SHIRT: CLASS 3 LEVEL 2 LS HW

- 360° visibility with front and back 2" silver reflective striping
- UPF 40 rating
- **ANSI 107-2004 and ANSI 107-2010 Class 3 Level 2 Compliant**

5 oz. Poplin, 100% Polyester

SS24AB SHORT SLEEVE
(Reg) S-4XL, (Long) M-2XL

SS14AB LONG SLEEVE
(Reg) M-3XL, (Long) L-2XL

COLOR: **AB**

SS24OF SHORT SLEEVE
(Reg) S-3XL, (Long) M-2XL

SS14OF LONG SLEEVE
(Reg) S-3XL, (Long) S-3XL

COLOR: **OF**



AB fluorescent yellow / green



OF fluorescent orange



SS14AB



BACK

HI-VISIBILITY WORK SHIRT: CLASS 3 LEVEL 2 "X" STRIPING CONFIGURATION LS HW

- 360° visibility with front and back 2" silver reflective striping
- UPF 40 rating
- **ANSI 107-2004 and ANSI 107-2010 Class 3 Level 2 Compliant**

5 oz. Poplin, 100% Polyester

SS24SB SHORT SLEEVE

(Reg) S-4XL, (Long) M-2XL

SS14SB LONG SLEEVE

(Reg) M-3XL, (Long) L-2XL

COLOR: **SB**

SS2400 SHORT SLEEVE

(Reg) S-3XL, (Long) M-2XL

SS1400 LONG SLEEVE

(Reg) S-3XL, (Long) S-3XL

COLOR: **00**



SB fluorescent yellow / green



00 fluorescent orange



SS14SB



BACK

HI-VISIBILITY T-SHIRT HW

- 360° visibility with front and back 2" silver reflective striping
- **ANSI 107-2004 and ANSI 107-2010 Class 2 Level 2 Compliant**

5.6 oz. Jersey, 100% Polyester

SYK6HV SHORT SLEEVE

S-4XL

SYK2HV LONG SLEEVE

S-4XL

COLOR: **HV**



HV fluorescent yellow / green



SYK2HV



BACK

UTILITY POCKET PANT LS HW

- 360° visibility with front and back 2" silver reflective striping
- UPF 40 rating
- **ANSI 107-2004 and ANSI 107-2010 Class E Level 2 Compliant**

7.5 oz. Twill, 100% Polyester

PT18HVB 28-54 (even sizes)

COLOR: **HV**

PT18OVB 28-54 (even sizes)

COLOR: **OV**

Please allow 6-8 weeks for delivery



HV fluorescent
yellow / green



OV fluorescent orange



PT18HVB

HI-VISIBILITY JACKET LS HW

- 360° visibility with front and back 2" silver reflective
- UPF 40 rating

7.5 oz. Twill, 100% Polyester

JY32HV **ANSI 107-2004 and ANSI 107-2010 Class 2 Level 2 Compliant**
(Reg) 38-54, (Long) 42-50

JY32AB **ANSI 107-2004 and ANSI 107-2010 Class 3 Level 2 Compliant**
(Reg) 38-54, (Long) 42-50

JY32JF **ANSI 107-2004 and ANSI 107-2010 Class 3 Level 2 Compliant "X" Striping Configuration**
(Reg) 38-54, (Long) 42-50

COLOR: **HV**



HV fluorescent
yellow / green



JY32HV



HI-VISIBILITY BOMBER LS HW

- 360° visibility with front and back 2" silver reflective striping
- UPF 40 rating
- **ANSI 107-2004 and ANSI 107-2010 Class 2 Level 2 Compliant**

7.5 oz. Twill, 100% Polyester

JY38HVB (Reg) M-3XL, (Long) M-3XL

COLOR: **HV**

Please allow 6-8 weeks for delivery



HV fluorescent yellow / green



JY38HVB

BACK



HI-VISIBILITY ZIP FRONT COVERALL LS HW

- 360° visibility with front and back 2" silver reflective striping
- UPF 40 rating
- **ANSI 107-2004 and ANSI 107-2010 Class 3 Level 2 Compliant**

7.5 oz. Twill, 100% Polyester

CT10HVB (Reg) 32-70, (Long) 32-70, (X Long) 46-50, (Short) 38-56

COLOR: **HV**

CT100VB (Reg) 32-70, (Long) 32-70, (X Long) 46-50, (Short) 38-56

COLOR: **OV**

Please allow 6-8 weeks for delivery



HV fluorescent yellow / green



OV fluorescent orange



CT10HVB

SAFETY VEST HW

- 360° visibility with front and back 2" silver reflective striping
- ANSI 107-2004 and ANSI 107-2010 Class 2 Level 2 Compliant

3.6 oz., 100% Polyester

VYV6YE S/M, L/XL, 2XL/3XL, 4XL/5XL

COLOR: **YE**



YE fluorescent
yellow / green



BACK



VYV6YE

SAFETY VEST WITH SLEEVES HW

- 360° visibility with front and back 2" silver reflective striping
- ANSI 107-2004 and ANSI 107-2010 Class 3 Level 2 Compliant

3.6 oz., 100% Polyester

VYV2YE S-5XL

COLOR: **YE**



YE fluorescent
yellow / green



BACK



VYV2YE

Always look
— ON THE —
BRIGHT SIDE.



DONE RIGHT.™

**WE OUTFIT THE 16 MILLION WHO DO
THE REAL WORK, THE RIGHT WAY.**

WHAT IS ENHANCED VISIBILITY?

Enhanced Visibility garments are designed to improve wearers' visibility, but do not meet ANSI 107-2004 or ANSI 107-2010. This could be because they do not have reflective striping for nighttime visibility, or because they have body fabric or reflective striping that does not meet ANSI 107-2004 or ANSI 107-2010

requirements. The background material is intended to be highly conspicuous, but not intended to comply with the requirements of ANSI 107-2004 or ANSI 107-2010 standard for retro-reflective material. Typically these garments are worn by workers in a lower risk environment.



ENHANCED VISIBILITY SHIRT (IL) (LS) (HW)

- Enhanced visibility trim across pockets, down sleeves and two horizontal stripes across back
- **Not ANSI 107-2004 or ANSI 107-2010 Compliant**

4.25 oz. Poplin, 65% Polyester / 35% Cotton

SP24WM SHORT SLEEVE

(Reg) S-4XL, (Long) M-2XL

SP14WM LONG SLEEVE

(Reg) S-4XL, (Long) M-3XL

COLOR: **WM**



WM light grey with orange visibility trim



SP24WM

ENHANCED VISIBILITY WORK SHIRT (IL) (LS) (HW)

- UPF 40 rating
- **Not ANSI 107-2004 or ANSI 107-2010 Compliant**

5 oz. Poplin, 100% Polyester

SS24YE SHORT SLEEVE

(Reg) S-3XL, (Long) M-2XL

SS14YE LONG SLEEVE

(Reg) S-3XL, (Long) S-3XL

COLOR: **YE**

SS24OR SHORT SLEEVE

(Reg) S-3XL, (Long) M-2XL

SS14OR LONG SLEEVE

(Reg) S-3XL, (Long) S-3XL

COLOR: **OR**



YE fluorescent yellow / green



OR fluorescent orange



SS24OR

ENHANCED VISIBILITY INDUSTRIAL WORK SHIRT

IL LS HW

- Enhanced visibility trim around waist and around sleeve biceps
- **Not ANSI 107-2004 or ANSI 107-2010 Compliant**

4.25 oz. Poplin, 65% Polyester / 35% Cotton

SP14EV LONG SLEEVE

(Reg) S-4XL, (Long) L-2XL

SP24EV SHORT SLEEVE

(Reg) S-4XL, (Long) L-2XL

COLOR: EV



EV navy with yellow /
green visibility trim



SP14EV

ENHANCED VISIBILITY T-SHIRT

HW

- Dyed to match rib knit collar
- Cover seaming throughout garment
- Single chest pocket
- **Not ANSI 107-2004 or ANSI 107-2010 Compliant**

Yellow: 5.6 oz. Jersey, 100% Polyester

Orange: 6.2 oz. Jersey, 100% Polyester

SY06YE S-4XL

COLOR: YE

SY06OR S-4XL

COLOR: OR



YE fluorescent
yellow / green



OR fluorescent orange



SY06YE

ENHANCED VISIBILITY DURAKAP INDUSTRIAL PANT IL LS HW

- Enhanced visibility trim around both knees and both calves
- **Not ANSI 107-2004 or ANSI 107-2010 Compliant**

7.5 oz. Poplin, 65% Polyester / 35% Cotton

PT20EV 30-48

COLOR: **EV**



EV navy with yellow /
green visibility trim



PT20EV

ENHANCED VISIBILITY TWILL ACTION BACK COVERALL IL LS HW

- Double striped enhanced visibility trim around waist, around biceps and around calves
- **Not ANSI 107-2004 or ANSI 107-2010 Compliant**

7.25 oz. Poplin, 65% Polyester / 35% Cotton

CT10EV (Reg) 36-54

COLOR: **ESV**



EV navy with yellow /
green visibility trim



CT10EV

ENHANCED VISIBILITY JACKET IL LS HW

- Unlined, may be worn with zip-in / zip-out liner LN30BK sold separately
- Enhanced visibility trim across pockets, down sleeves and two horizontal stripes across back
- **Not ANSI 107-2004 or ANSI 107-2010 Compliant**

7.25 oz. Twill, 65% Polyester / 35% Cotton

JT30WM (Reg) 38-54, (Long) 42-50

COLOR: **WM**



WM charcoal with orange
visibility trim



JT30WM

ENHANCED VISIBILITY BOMBER LS HW

- Enhanced visibility trim across pockets, down sleeves and two horizontal stripes across back
- **Not ANSI 107-2004 or ANSI 107-2010 Compliant**

7.25 oz. Twill, 65% Polyester / 35% Cotton

JTB4EVB (Reg) S-3XL, (Long) M-2XL

COLOR: **EV**

Please allow 6-8 weeks for delivery



EV navy with yellow /
green visibility trim



JTB4EVB



REFLECTIVE TRIM

There are several color options and widths of reflective trims that can be selected for attachment to your garments. A few examples of how a work shirt, pant or coverall can be transformed into an enhanced visibility garment are provided on the next four pages. But keep in mind there are endless ways a Red Kap garment can be customized with reflective striping.

Decorate It.
Modify It.
Customize It.



BACK



SP14NV

- 2" SLVR-IL
- Horizontal Upper Back – **HUB**
- Horizontal Upper Front – **HUF**
- Long Sleeve Cuff – **LSC**
- Both Sleeves Biceps – **BSB**
- Horizontal Under Front Pockets – **HUP**



BACK



SP14NV

- 2" SLVR-IL
- Suspender Type Reflective Trim – **SUS**
- Both Sleeves Biceps – **BSB**
- Both Sleeves Forearms – **BSF**



SP14NV

- 1" SLVR - IL
- Full X on Back of Garments – **FXB**
- Long Sleeve Shoulder to Cuff – **LST**
- Horizontal Upper Front – **HUF**
- Under Pocket Vertical – **UPV**



PT20NV

- 2" SLVR-IL
- Pant Leg Knees – **PLK**
- Pant Cuffs – **PLC**
- Both Leg Calves – **BLC**



PT20NV

- 2" SLVR-IL
- Pant Leg Knees – **PLK**
- Pant Cuffs – **PLC**
- Both Leg Calves – **BLC**

Garments on pages 18-19 are
not ANSI 107-2004 or ANSI
107-2010 compliant.

SUGGESTED PLACEMENTS

For suggestions regarding reflective trim placement, see pages 25-29 of the Imagine It® catalog. For package stripe placement, where several stripes are combined on one garment, go to vimagewear.com and after logging in, click on the bar at the bottom of the screen that says, "Reflective Striping".

TRIM OPTIONS

Pages 56-57 of the Imagine It catalog show a wide variety of widths from 1" to 2½". Choose from reflective silver, yellow, orange or a combination of two colors depending on your specific need.



PT20NV

- 1" SLVR-IL
- Horizontal Upper Back – **HUB**
- Horizontal Upper Front – **HUF**
- Horizontal Under Front Pockets – **HUP**
- Lower Middle Back – **LMB**
- Long Sleeve Shoulder to Cuff – **LST**
- Pant Leg Knees – **PLK**
- Both Leg Calves – **BLC**



BACK



PT20NV

- 1" SLVR-IL
- Suspender/Waist Reflective Trim – **SUP**
- Horizontal Upper Back – **HUB**
- Long Sleeve Cuff – **LSC**
- Both Sleeves Biceps – **BSB**
- Both Legs Thighs – **BLT**
- Pant Cuffs – **PLC**



BACK



PT20NV

- 1" SLVR-IL
- Full X on Back of Garments – **FXB**
- Both Sleeves Forearms – **BSF**
- Both Legs Thighs – **BLT**
- Both Leg Calves – **BLC**
- Jacket/Coverall Waistband – **JWB**
- Horizontal Upper Front – **HUF**

Garments on pages 20-21 are not ANSI 107-2004 or ANSI 107-2010 compliant.

GLOSSARY OF TERMS AND DEFINITIONS

HIGH VISIBILITY SAFETY APPAREL – Personal Protective safety clothing that is intended to provide conspicuity during both daytime and nighttime usage and that meets Performance Class 2 or 3 requirements of ANSI/ISEA 107-2010 High Visibility Safety Apparel and Headwear.

ENHANCED VISIBILITY GARMENTS – Designed to improve wearers' visibility, but do not meet ANSI/ISEA 107-2010. This could be because they do not have reflective striping for nighttime visibility, or because they have body fabric or reflective striping that does not meet ANSI 107 requirements.

CLASS – Refers to the amount of reflective trim on the garment.

LEVELS – Refers to the amount of light that refracts off the reflective tape (retro-reflective material). All of the reflective tape that VF uses is certified to meet Level 2 requirements.

BACKGROUND MATERIAL – Colored fluorescent material intended to be highly conspicuous, but not intended to comply with the requirements of ANSI 107 standard for retro-reflective material.

RETRO-REFLECTIVE MATERIAL – Material that reflects and returns a relatively high proportion of light in a direction close to the direction from which it came.

COMPLIANCE – Retro-reflective, combined-performance and background materials are to be certified to the performance requirement in the standard. Manufacturers of the finished garment must make documentation available to verify that components used to make high-visibility garments meet the requirements of the standard.

CERTIFY (FINISHED ITEM) – To provide documentation from either an independent third-party accredited laboratory or to self-certify through the use of Apparel and Headwear Compliance Certificate.



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CAUTION: Garments contained in this brochure meet government flammability Class 1 requirements but do not provide protection from ignition sources, molten substances or chemical exposure. Special flame resistant garments are available if required.

Product images and fabric swatches shown here are photo-mechanically reproduced. As a result, colors may vary from actual fabric samples.

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