NATIONAL SAFETY APPAREL®

STOCK 2015

HI-VIS WORKWEAR & RAINWEAR

PROUDLY MANUFACTURING IN THE USA SINCE 1935

360°

VISIBILITY

OUR MISSION:

TO PROVIDE INNOVATIVE, QUALITY SAFETY APPAREL

In 1935 Wallace "Wally" Grossman graduated from school and realized employment wasn't going to be easy due to the economic conditions. As a result, he started a business in his father's basement where he began to manufacture Heat and Thermal protective apparel. It wasn't long before the business took off and his father, George, quit his job and began working alongside his son. Together they started a successful family business during severe economic conditions.

The family business has continued to grow over the years and is known today as, National Safety Apparel. When asked about the history of NSA, Chuck Grossman, current owner and President responded with: "Our business began with Heat and Thermal products and the intent to provide the highest quality of protective apparel for individuals engaging with high heat hazards. Today, we are a fourth generation owned family business that understands the importance of safety, quality, comfort, and customization. Never satisfied, we continue to innovate and enhance our selection of products every day. Innovation is the core value that drives us each day to be superior."

At National Safety Apparel, we provide many advantages to help make your purchasing decision easier. We are proud to manufacture in the U.S. and be certified to ISO 9001:2008 with design, which allows us to offer product customization and personalization to any of our products and the ability to develop products to best meet your specific needs and hazards. Our outside sales team and inside customer service department are ready and adept to address your needs, questions, and requests. Since 1935, workers across the country have relied on NSA's safety apparel and quality craftsmanship.

HEADQUARTERS

Proudly manufacturing in the USA since 1935.

STOCK ITEMS

NSA carries a large number of stock products to meet the needs of customers.

PERSONALIZED CUSTOMER SERVICE

NSA provides a friendly customer service staff that is on call Monday through Friday, 8am - 7pm EST. to help fulfill your safety apparel needs.

ISO CERTIFIED

NSA is certified to ISO 9001:2008 with design.

FABRIC CHOICES

NSA carries a variety of options to give you the fabric choices that you are looking for. Choose from multiple colors, weights, and styles.

CUSTOMIZATION

The possibilities are endless— NSA can customize almost every garment carried to meet your company requirements.

ALL SILVER IS

NOT CREATED EQUAL

ALL SILVER IS NOT CREATED EQUAL 3M TESTING INFORMATION

ALL SILVER IS NOT CREATED EQUAL VIDEO

Independent testing shows that 1 in 3 non 3M™ Scotchlite™ Reflective Material garments purchased in the open market is not compliant to the ANSI 107/EN 471 for Standard Level 2 reflective brightness.

Compliance Matters

- Innovators in retroreflective technology
- Advancing the science of visibility for over 70 years
- Continuous testing to ensure every lot of material is compliant before it leaves our factory
- Quality you know you can trust to help keep workers safe
- Products that perform to your specifications
- Third party certificates from accredited labs
- Confidence your garment is compliant

PROUD TO PARTNER WITH 3M Scotchlite™

IN THIS BOOK, YOU WILL FIND

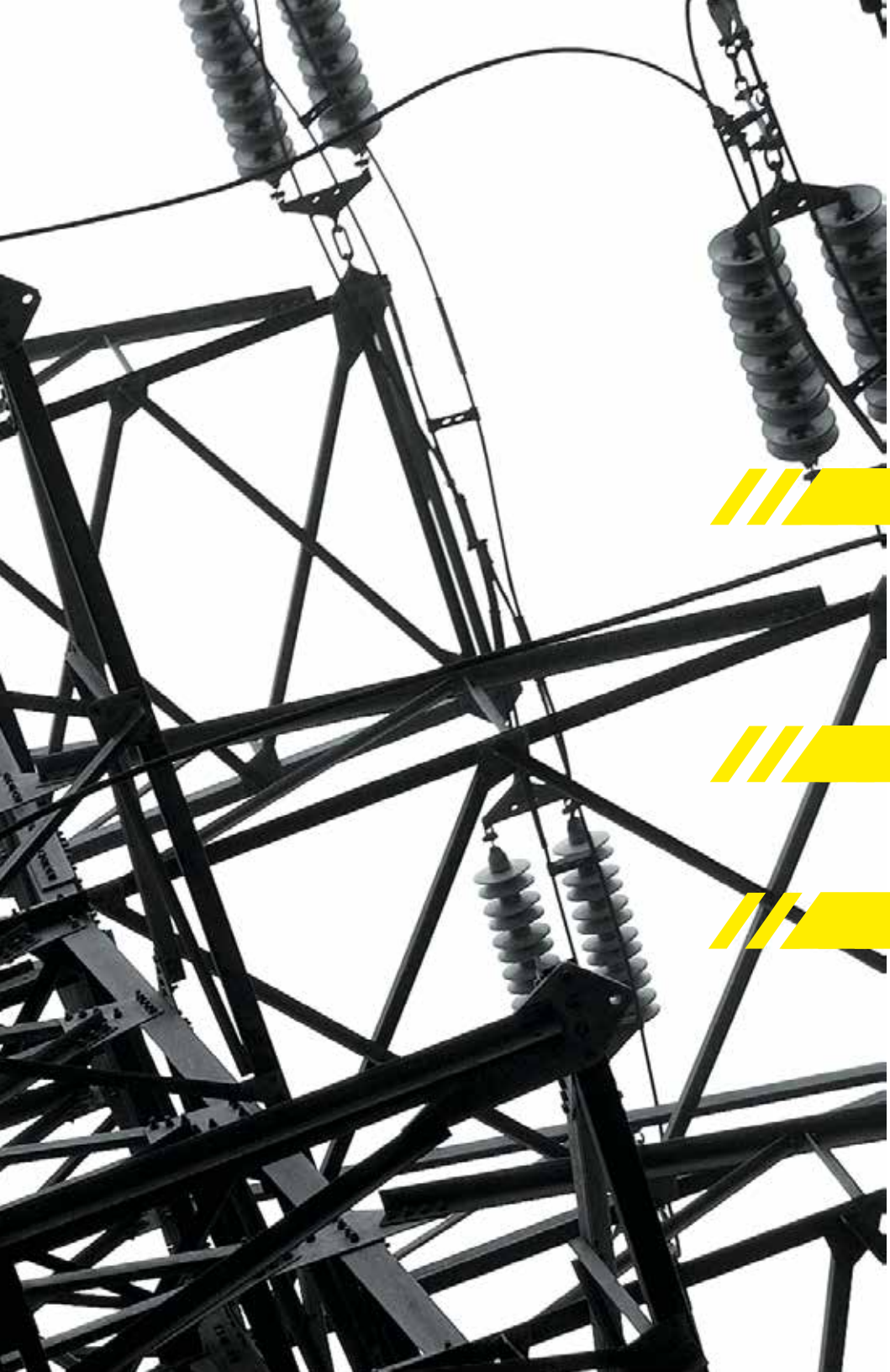
The quality protection that is needed for job applications calling for Flame Resistant (FR) and Arc Resistant (AR) High Visibility and Non-Flame Resistant protective apparel.

From head to toe —we've got you covered! Each chapter in this catalog is organized by a different need of protection. These stock garments range from FR/AR Hi-Vis, FR/AR Hi-Vis Rainwear and Non FR Hi-Vis.

All of our products are tested and certified beyond the minimum requirements and the testing results of any product can be viewed upon request.

If you have any questions, feel free to contact us:

phone: 800-553-0672
email: customerservice@*think**NSA**.com*



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FR/AR HI-VIS

The quality protection that is needed for job applications calling for Flame Resistant (FR) and Arc Resistant (AR) High Visibility protective apparel.

Representing the next level of where comfort meets protection, all FR/AR garments offer 360 degrees of visibility and flame resistant trim, segmented or solid. Select from a variety of styles and add a corporate logo to make it one of a kind for your company.

CHECK OUT THIS VIDEO!
FR TRIM VS. NON FR TRIM

FR MESH SAFETY VEST V00HA2V_ _

- 5.8 oz. Yellow Modacrylic & Para-Aramid Mesh
- 3M™ Scotchlite™ FR segmented silver reflective trim
- FR Hook and loop front closure
- Single chest pocket

ANSI/ISEA 107-2010	CLASS 2
OSHA 1910.269	√
ASTM F1506-10a	√
NFPA 70E-2015	√
CSA Z462-15	√
HRC	1
ARC RATING	4.6 cal/cm²
SIZE	SM - 4X
STOCK	√

FR MESH SAFETY VEST V00HA2Z_ _

- 5.8 oz. Yellow Modacrylic & Para-Aramid Mesh
- 3M™ Scotchlite™ FR segmented silver reflective trim
- FR Zip front closure
- Single chest pocket

ANSI/ISEA 107-2010	CLASS 2
OSHA 1910.269	√
ASTM F1506-10a	√
NFPA 70E-2015	√
CSA Z462-15	√
HRC	1
ARC RATING	4.6 cal/cm²
SIZE	SM - 4X
STOCK	√

FR MESH SAFETY VEST

V00HA3V_ _

- 5.8 oz. Yellow Modacrylic & Para-Aramid Mesh
- 3M™ Scotchlite™ FR segmented silver reflective trim
- FR Hook and loop front closure
- Single chest pocket

ANSI/ISEA 107-2010	CLASS 3
OSHA 1910.269	√
ASTM F1506-10a	√
NFPA 70E-2015	√
CSA Z462-15	√
HRC	1
ARC RATING	4.6 cal/cm²
SIZE	SM - 4X
STOCK	√

FR CONTRACTOR ROAD VEST

99703_ _

- 5.8 oz. Yellow Modacrylic & Para-Aramid Mesh
- 3M™ Scotchlite™ FR silver reflective trim
- FR Hook and loop front closure

ANSI/ISEA 107-2010	CLASS 2
OSHA 1910.269	√
ASTM F1506-10a	√
NFPA 70E - 2015	√
CSA Z462-15	√
HRC	1
ARC RATING	4.6 cal/cm²
SIZE	MD - 3X
STOCK	√

FR DELUXE ROAD VEST 99363_ _

- 5.8 oz. Yellow Modacrylic & Para-Aramid Mesh
- 3M™ Scotchlite™ FR silver reflective trim
- FR Zip front closure
- Cell, pencil & 2 lower pockets

ANSI/ISEA 107-2010	CLASS 2
OSHA 1910.269	√
ASTM F1506-10a	√
NFPA 70E-2015	√
CSA Z462-15	√
HRC	1
ARC RATING	4.6 cal/cm²
SIZE	SM - 5X
STOCK	√

FR DELUXE ANTI-STATIC MESH VEST 99509_ _

- 6 oz. Modacrylic Mesh with Nega-Stat®
- 3M™ Scotchlite™ FR silver reflective trim
- FR Zip front closure
- Fabric meets Gas Probe Shirley Method 138:2000, EN 1149-3/2004 & EN 1149-2008
- Cell, pencil & 2 lower pockets

ANSI/ISEA 107-2010	CLASS 2
OSHA 1910.269	√
ASTM F1506-10a	√
NFPA 70E-2015	√
CSA Z462-15	√
HRC	1
ARC RATING	5.1 cal/cm²
SIZE	MD - 3X
STOCK	√

WHAT IS AN HRC?

Hazard Risk Category (HRC) was a term used by NFPA 70E to refer to levels of protection required for various job applications. In the updated 2015 NFPA 70E Standard this term was changed to "Arc Flash PPE" and HRC was deleted from the standard. One thing that hasn't changed is National Safety Apparel's use of HRC for flame resistant garments. We will continue to use this familiar term to assist our customers with quickly identifying what level of protection our clothing meets.

ARC FLASH PPE	REQUIRED MINIMUM
HRC LEVEL 1	4 cal/cm^2
HRC LEVEL 2	8 cal/cm^2
HRC LEVEL 3	25 cal/cm^2
HRC LEVEL 4	40 cal/cm^2

FR CONTRACTOR SHORT WAIST VEST 99604_ _

- 9 oz. Orange 100% FR Cotton, NON-ANSI
- 3M™ Scotchlite™ FR silver reflective trim
- FR Hook and loop front closure

NON-ANSI	Class 2 Pattern
OSHA 1910.269	√
ASTM F1506-10a	√
NFPA 70E-2015	√
CSA Z462-15	√
HRC	2
ARC RATING	9.4 cal/cm^2
SIZE	MD - 3X
STOCK	√

FR DELUXE SHORT WAIST VEST 99223_ _

- 9 oz. Orange 100% FR Cotton, NON-ANSI
- 3M™ Scotchlite™ FR silver reflective trim
- FR Zip front closure
- Cell, pencil & 2 lower pockets

NON-ANSI	Class 2 Pattern
OSHA 1910.269	√
ASTM F1506-10a	√
NFPA 70E-2015	√
CSA Z462-15	√
HRC	2
ARC RATING	9.4 cal/cm^2
SIZE	SM - 5X
STOCK	√

FR SHORT WAIST BREAKAWAY VEST 99345_ _

- 9 oz. Orange 100% FR Cotton, NON-ANSI
- 3M™ Scotchlite™ FR silver reflective trim
- FR Hook and loop front closure
- Five point breakaway
- Cell, pencil & 2 lower pockets

NON-ANSI	Class 2 Pattern
OSHA 1910.269	√
ASTM F1506-10a	√
NFPA 70E-2015	√
CSA Z462-15	√
HRC	2
ARC RATING	9.4 cal/cm²
SIZE	LG - 3X
STOCK	√

FR SURVEY VEST 99374_ _

- 9 oz. Orange 100% FR Cotton, NON-ANSI
- 3M™ Scotchlite™ FR silver reflective trim
- FR Zip front closure
- Back survey pocket, 4 outside, 2 inside

NON-ANSI	Class 2 Pattern
OSHA 1910.269	√
ASTM F1506-10a	√
NFPA 70E-2015	√
CSA Z462-15	√
HRC	2
ARC RATING	9.4 cal/cm²
SIZE	MD - 3X
STOCK	√

FR CONTRACTOR SAFETY VEST V20TV2V_ _

- 6.5 oz. Yellow FR Woven Modacrylic Blend
- 3M™ Scotchlite™ FR silver reflective trim
- FR Hook and loop front closure
- Moisture wicking & breathable

ANSI/ISEA 107-2010	CLASS 2
OSHA 1910.269	√
ASTM F1506-10a	√
NFPA 70E-2015	√
CSA Z462-15	√
NFPA 2112-2012	√
HRC	2
ARC RATING	8.9 cal/cm^2
SIZE	SM - 4X
STOCK	√

FR STANDARD VEST VOOTV2Z_ _

- 6.5 oz. Yellow FR Woven Modacrylic Blend
- 3M™ Scotchlite™ FR segmented silver reflective trim
- FR Zip front closure
- Moisture wicking & breathable
- Single chest pocket

ANSI/ISEA 107-2010	CLASS 2
OSHA 1910.269	√
ASTM F1506-10a	√
NFPA 70E-2015	√
CSA Z462-15	√
NFPA 2112-2012	√
HRC	2
ARC RATING	8.9 cal/cm^2
SIZE	SM - 4X
MADE-TO-ORDER	

FR DELUXE VEST

V21TV2Z_ _

- 6.5 oz. Yellow FR Woven Modacrylic Blend
- 3M™ Scotchlite™ FR silver reflective trim
- FR Zip front closure
- Moisture wicking & breathable
- Cell, pencil & 2 lower pockets

ANSI/ISEA 107-2010	CLASS 2
OSHA 1910.269	√
ASTM F1506-10a	√
NFPA 70E-2015	√
CSA Z462-15	√
NFPA 2112-2012	√
HRC	2
ARC RATING	8.9 cal/cm²
SIZE	SM - 4X
STOCK	√

ULTRASOFT® ADJUSTABLE WAIST VEST

V27TD2Z_ _

- 7.7 oz. UltraSoft®
- 3M™ Scotchlite™ FR silver reflective trim
- FR Hook and loop closure
- FR Hook and loop adjustable waist band
- Inside left chest pocket

ANSI/ISEA 107-2010	CLASS 2
OSHA 1910.269	√
ASTM F1506-10a	√
NFPA 70E-2015	√
CSA Z462-15	√
NFPA 2112-2012	√
HRC	2
ARC RATING	9.2 cal/cm²
SIZE	One size fits most
STOCK	√

WANT TO CREATE A CLASS 3 ENSEMBLE?

FR LEG GAITERS

L05TVCE_ _

- 6.5 oz. Yellow FR Woven Modacrylic Blend
- 3M™ Scotchlite™ FR segmented silver reflective trim
- FR Hook and loop closure
- Moisture wicking & breathable
- Combine with Class 2 vest for class 3 esemble

ANSI/ISEA 107-2010	CLASS E **AS A PAIR**
OSHA 1910.269	√
ASTM F1506-10a	√
NFPA 70E-2015	√
CSA Z462-15	√
HRC	2
ARC RATING	8.9 cal/cm^2
SIZE	One size fits most
STOCK	√

SM	MD	LG	XL	2X	3X	4X
Small	Medium	Large	X-Large	2X-Large	3X-Large	4X-Large

_ _ = SIZE

 # = NUMBER OF POCKETS

V20TV2V_ _

OR

V00TV2Z_ _

OR

V21TV2Z_ _

+

L05TVCE

=

CLASS 3 ENSEMBLE

Combine ANSI legwear, bibs, or pants with a Class 2 vest and the ensemble is considered Performance Class 3. For greater conspicuity with the work environment and in higher hazard situations. The combinations above provide triple hazard protection, meeting NFPA 70E-2015 for arc flash, UL Certified to NFPA 2112 for flash fire, and it meets ANSI/ISEA 107-2010 Class 3 “ensemble”.

FR DELUXE ROAD VEST

99222_ _

- 5.5 oz. Orange FR Modacrylic Blend
- 3M™ Scotchlite™ FR silver reflective trim
- FR Zip front closure
- Cell, pencil & 2 lower pockets

ANSI/ISEA 107-2010	CLASS 2
OSHA 1910.269	√
ASTM F1506-10a	√
NFPA 70E-2015	√
CSA Z462-15	√
HRC	1
ARC RATING	5.5 cal/cm^2
SIZE	MD - 3X
STOCK	√

FR SURVEY VEST

99375_ _

- 6.5 oz. Yellow FR Modacrylic Blend
- 3M™ Scotchlite™ FR silver reflective trim
- FR Zip front closure
- Back survey pocket, 4 outside, 2 inside

ANSI/ISEA 107-2010	CLASS 2
OSHA 1910.269	√
ASTM F1506-10a	√
NFPA 70E-2015	√
CSA Z462-15	√
HRC	2
ARC RATING	8.9 cal/cm^2
SIZE	MD - 3X
STOCK	√

99340

MIC-CLIP

LARGE RADIO POCKETS

3M™ SCOTCHLITE™ SILVER REFLECTIVE TRIM

FR RESPONDER VEST 99340_ _

- 9.6 oz. 100% FR Cotton Red Front
- 6.5 oz. FR Modacrylic Yellow Back
- 3M™ Scotchlite™ FR silver reflective trim
- Snap up waist
- FR Hook and loop front closure
- 2 Radio pockets & 2 inside pockets

ANSI/ISEA 207-2011	√
OSHA 1910.269	√
ASTM F1506-10a	√
NFPA 70E-2015	√
CSA Z462-15	√
HRC	2
ARC RATING	8.9 cal/cm²
SIZE	Regular fits MD - 2X
STOCK	√

SM	MD	LG	XL	2X	3X	4X
Small	Medium	Large	X-Large	2X-Large	3X-Large	4X-Large

_ _ = SIZE

 # = NUMBER OF POCKETS

FR SHORT SLEEVE T-SHIRT C54HYC3_ _

- 7.75 oz. Yellow FR Blend Hi-Vis Jersey Knit
- 3M™ Scotchlite™ FR segmented silver reflective trim
- Lightweight & breathable

ANSI/ISEA 107-2010	CLASS 3
OSHA 1910.269	√
ASTM F1506-10a	√
NFPA 70E-2015	√
CSA Z462-15	√
HRC	2
ARC RATING	10 cal/cm^2
SIZE	SM - 4X
STOCK	√

FR LONG SLEEVE T-SHIRT C54HYLSC3_ _

- 7.75 oz. Yellow FR Blend Hi-Vis Jersey Knit
- 3M™ Scotchlite™ FR segmented silver reflective trim
- Lightweight & breathable

ANSI/ISEA 107-2010	CLASS 3
OSHA 1910.269	√
ASTM F1506-10a	√
NFPA 70E-2015	√
CSA Z462-15	√
HRC	2
ARC RATING	10 cal/cm^2
SIZE	SM - 4X
STOCK	√

FR CONTROL 2.0™ BASE LAYER

C52JTSRC2_ _

- 5.5 oz. Yellow Modacrylic Blend
- 3M™ Scotchlite™ FR segmented silver reflective trim
- Pro-actively regulates body temperature
- Anti-microbial fabric to resist odors
- Moisture wicking & breathable

ANSI/ISEA 107-2010	CLASS 2
OSHA 1910.269	√
ASTM F1506-10a	√
NFPA 70E-2015	√
CSA Z462-15	√
HRC	1
ARC RATING	4 cal/cm²
SIZE	SM - 3X
STOCK	√

YOU provide high resolution artwork for garments to be customized.

WE develop a full color visual mockup of the finished custom piece.

THEN you're able to properly represent a company when sporting your new NSA gear.

ASK our customer service representatives to add this to your next order!

MAKE YOUR GARMENT
CUSTOM
WITH YOUR LOGO

**Garments do not come standard with the National Safety Apparel (full-color, large) logo on the back. The customer must provide their own artwork.*

SM	MD	LG	XL	2X	3X	4X
Small	Medium	Large	X-Large	2X-Large	3X-Large	4X-Large

_ _ = SIZE

 # = NUMBER OF POCKETS

INTERESTED IN HYBRID CLOTHING?

Interested in a different look than the standard high visibility garment options? Well, you've come to the right place. Introducing the Hybrid line of hi-vis, a combination of high visibility and dark fabric to provide a fresh new look for those required to wear hi-vis protective garments. The combination of the two creates a practical, protective garment that retains a fresh new appearance longer and offers an innovative two tone hi-vis option for multiple work applications.

C88TVHC3__32

SHRTV3C2YN__RG

C21HCWE08C3__

V00HAH2V_ _

V00TVH2V_ _

FR HYBRID LONG SLEEVE T-SHIRT

C54HYLSHC3_ _

- 7.75 oz. Yellow FR Blended Jersey Knit
- 6.5 oz Navy FR Modacrylic Blend
- 3M™ Scotchlite™ FR segmented silver reflective trim
- Two tone design for a fresh new look that lasts longer

ANSI/ISEA 107-2010	CLASS 3
OSHA 1910.269	√
ASTM F1506-10a	√
NFPA 70E-2015	√
CSA Z462-15	√
HRC	2
ARC RATING	Yellow: 10 cal/cm² ; Navy 9.8 cal/cm²
SIZE	SM - 4X
STOCK	√

SM	MD	LG	XL	2X	3X	4X
Small	Medium	Large	X-Large	2X-Large	3X-Large	4X-Large

_ _ = SIZE

= NUMBER OF POCKETS

FR BUTTON DOWN WORK SHIRT SHRTV3C3_ _RG

- 6.5 oz. Yellow FR Woven Modacrylic Blend
- 3M™ Scotchlite™ FR segmented silver reflective trim
- Button down front closure
- Moisture wicking & breathable

ANSI/ISEA 107-2010	CLASS 3
OSHA 1910.269	√
ASTM F1506-10a	√
NFPA 70E-2015	√
CSA Z462-15	√
NFPA 2112-2012	√
HRC	2
ARC RATING	8.9 cal/cm²
SIZE	SM - 4X Regular/LG,XL,3X Long
MADE-TO-ORDER	

ULTRASOFT® FR BUTTON DOWN WORK SHIRT SHRTD3C3_ _RG

- 7 oz. Hi-Vis UltraSoft®
- 3M™ Scotchlite™ FR segmented silver reflective trim
- Button down front closure

ANSI/ISEA 107-2010	CLASS 3
OSHA 1910.269	√
ASTM F1506-10a	√
NFPA 70E-2015	√
CSA Z462-15	√
NFPA 2112-2012	√
HRC	2
ARC RATING	9.2 cal/cm²
SIZE	SM - 4X
STOCK	√

FR HOODED PULLOVER SWEATSHIRT C21HC03C3_ _

- 10 oz. Yellow Modacrylic/Cotton
- 3M™ Scotchlite™ FR segmented silver reflective trim
- Drawstring hood with cord locks
- Large reinforced pocket

ANSI/ISEA 107-2010	CLASS 3
OSHA 1910.269	√
ASTM F1506-10a	√
NFPA 70E-2015	√
CSA Z462-15	√
HRC	2
ARC RATING	20 cal/cm²
SIZE	SM - 4X
STOCK	√

FR HOODED ZIP FRONT SWEATSHIRT C21HC05C3_ _

- 10 oz. Yellow Modacrylic/Cotton
- 3M™ Scotchlite™ FR segmented silver reflective trim
- FR zip front closure
- Drawstring hood with cord locks
- Two reinforced pockets

ANSI/ISEA 107-2010	CLASS 3
OSHA 1910.269	√
ASTM F1506-10a	√
NFPA 70E-2015	√
CSA Z462-15	√
HRC	2
ARC RATING	20 cal/cm²
SIZE	SM - 4X
STOCK	√

ANSI SIMPLIFIED...

THERE'S A CLASS FOR THAT

ANSI/ISEA 107-2010 is the accepted standard for high-visibility safety apparel. The standard was last updated in 2010, and outlines the details of the construction of the garment, activities where each class should be used, and percentages of high-visibility background fabric and retroreflective tape required for each class. This chart helps showcase the material requirements for each class.

	CLASS 1	CLASS 2	CLASS 3	CLASS E
BACKGROUND MATERIAL	217 in.^{2} (0.14 m^2)	775 in.^{2} (0.50 m^2)	1240 in.^{2} (0.80 m^2)	465 in.^{2} (0.30 m^2)
RETROREFLECTIVE TAPE	155 in.^{2} (0.10 m^2)	201 in.^{2} (0.13 m^2)	310 in.^{2} (0.20 m^2)	108 in.^{2} (0.07 m^2)
MINIMUM WIDTH OF TAPE	0.98 in. (25 mm)	1.38 in. (35 mm)	1.97 in. (50 mm)	1.97 in. (50 mm)

** See pg. 33 for further information regarding ANSI Classes*

ANSI/ISEA 207-2011 is different from ANSI/ISEA 107, in that it does not have a performance class. This standard specifies performance requirements for high-visibility vests for use by **PUBLIC SAFETY WORKERS**.

MINIMUM AREAS OF VISIBLE MATERIAL

BACKGROUND MATERIAL	450 in.^{2} (0.29m^2)
RETROREFLECTIVE TAPE	201 in.^{2} (0.13 m^2)

FR/AR HI-VIS RAINWEAR

NSA's arc and flash fire rated hi-visibility FR Rainwear offers protection from the elements, potential arc hazards and open flames.

The Arc H_2O™ is available in fluorescent yellow or orange FR Polyurethane (PU) moisture barrier with an FR Cotton weft knit fabric offering lightweight and flexible comfort that combines superior arc rating along with hi-visibility protection. The FR PU material is durable, flexible and will not become brittle as it ages.

CHECK OUT THIS VIDEO!
NSA ARC H_2O™ FLASH FIRE TEST

30" LONG ARC H_2O™ FR RAIN JACKET

R30RQ06_ _

- Fluorescent Orange PU/FR Cotton Knit
- 100% Waterproof with welded seams
- Covered front closure with snap storm flap
- D-ring opening for fall protection
- Back ventilation system w/ FR mesh for increased airflow

ANSI/ISEA 107-2010	CLASS 3
OSHA 1910.269	√
ASTM F1891-12	√ **(for Arc Flash)**
NFPA 70E-2015	√
CSA Z462-15	√
ASTM F2733-09	√ **(for Flash Fire)**
HRC	2
ARC RATING	19 cal/cm²
SIZE	SM - 4X
STOCK	√

ARC H_2O™ FR BIB OVERALL

R40RQ14_ _

- Fluorescent Orange PU/FR Cotton Knit
- 100% Waterproof with welded seams
- FR Hook and loop tabs to adjust leg cuff
- Heavy duty quick release suspender system

ANSI/ISEA 107-2010	CLASS E
OSHA 1910.269	√
ASTM F1891-12	√ **(for Arc Flash)**
NFPA 70E-2015	√
CSA Z462-15	√
ASTM F2733-09	√ **(for Flash Fire)**
HRC	2
ARC RATING	19 cal/cm²
SIZE	SM - 4X
STOCK	√

2

30" LONG ARC H_2O™ FR RAIN JACKET R30RL06_ _

- Fluorescent Yellow PU/FR Cotton Knit
- 100% Waterproof with welded seams
- Covered front closure with snap storm flap
- D-ring opening for fall protection
- Back ventilation system w/ FR mesh for increased airflow

ANSI/ISEA 107-2010	CLASS 3
OSHA 1910.269	√
ASTM F1891-12	√ **(for Arc Flash)**
NFPA 70E-2015	√
CSA Z462-15	√
ASTM F2733-09	√ **(for Flash Fire)**
HRC	2
ARC RATING	15 cal/cm²
SIZE	SM - 4X
STOCK	√

ARC H_2O™ FR BIB OVERALL R40RL14_ _

- Fluorescent Yellow PU/FR Cotton Knit
- 100% Waterproof with welded seams
- FR Hook and loop tabs to adjust leg cuff
- Heavy duty quick release suspender system

ANSI/ISEA 107-2010	CLASS E
OSHA 1910.269	√
ASTM F1891-12	√ **(for Arc Flash)**
NFPA 70E-2015	√
CSA Z462-15	√
ASTM F2733-09	√ **(for Flash Fire)**
HRC	2
ARC RATING	15 cal/cm²
SIZE	SM - 4X
STOCK	√

30" LONG ARC H_2O™ FR RAIN JACKET R30RL05_ _

- Fluorescent Yellow PU/FR Cotton Knit
- 100% Waterproof with welded seams
- Covered front closure with snap storm flap
- D-ring opening for fall protection
- Back ventilation system w/ FR mesh for increased airflow

ANSI/ISEA 107-2010	CLASS 2
OSHA 1910.269	√
ASTM F1891-12	√ **(for Arc Flash)**
NFPA 70E-2015	√
CSA Z462-15	√
ASTM F2733-09	√ **(for Flash Fire)**
HRC	2
ARC RATING	15 cal/cm²
SIZE	SM - 4X
STOCK	√

49" LONG ARC H_2O™ FR TRENCH R31RL06_ _

- Yellow PU/FR Cotton Knit
- 100% Waterproof with welded seams
- Covered zipper/snap front closure

ANSI/ISEA 107-2010	CLASS 3
OSHA 1910.269	√
ASTM F1891-12	√ **(for Arc Flash)**
NFPA 70E-2015	√
CSA Z462-15	√
HRC	2
ARC RATING	15 cal/cm²
SIZE	SM - 4X
STOCK	√

ARC H_2O™ KIT — KITRQC3_ _

- Fluorescent Orange PU/FR Cotton Knit
- FR Rainwear jacket, bib overall & mesh bag
- Drip dry mesh bag for storage

ANSI/ISEA 107-2010	CLASS 3
OSHA 1910.269	√
ASTM F1891-12	√ **(for Arc Flash)**
NFPA 70E-2015	√
CSA Z462-15	√
ASTM F2733-09	√ **(for Flash Fire)**
HRC	2
ARC RATING	19 cal/cm²
SIZE	SM - 4X
STOCK	√

ARC H_2O™ KIT — KITRLC3_ _

- Fluorescent Yellow PU/FR Cotton Knit
- FR Rainwear jacket, bib overall & mesh bag
- Drip dry mesh bag for storage

ANSI/ISEA 107-2010	CLASS 3
OSHA 1910.269	√
ASTM F1891-12	√ **(for Arc Flash)**
NFPA 70E-2015	√
CSA Z462-15	√
ASTM F2733-09	√ **(for Flash Fire)**
HRC	2
ARC RATING	15 cal/cm²
SIZE	SM - 4X
STOCK	√

NEXT GENERATION IN BREATHABLE FR RAINWEAR

STORM SHOWER TESTED & FIELD PROVEN TO KEEP WORKERS DRY

HYRDOLITE FR™ RAINWEAR

- 8.3 oz. GORE-TEX® products with GORE® PYRAD® fabric technology
- Fast drying lightweight fabric
- 3M™ Scotchlite™ FR Segmented silver reflective trim

HYDROLITE FR™ RAIN JACKET

- Covered FR zip front closure with zipper pull
- Covered D-ring opening for fall protection
- Zip-off adjustable hood
- Two front pockets with hook & loop closure flaps
- Fleece lined hand warmer pockets

HYDROLITE FR™ BIB OVERALL

- Heavy duty quick release suspender system
- Covered FR zipper closure on legs
- Front bib pocket
- Snap fly closure

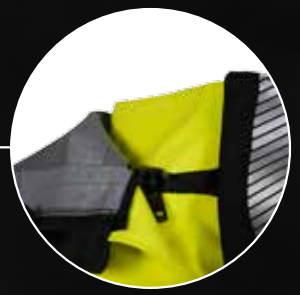
ANSI/ISEA 107-2010	CLASS 3 (JACKET)
ANSI/ISEA 107-2010	CLASS E (BIB)
ASTM F1506-10a	√
NFPA 70E-2015	√
CSA Z462-15	√
ASTM F2733-09	√
ASTM F1891-12	√
Exceeds ANSI 107 Breathability (ASTM E96-05 B & BW)	
ARC RATING	Yellow: 31 cal/cm^2 Black: 34 cal/cm^2
HRC	3
SIZE	MD - 3X

FR RAIN JACKET HYDROJACK-YB-_ _

FR BIB OVERALL HYDROBIB-YB-_ _

SM	MD	LG	XL	2X	3X	4X
Small	Medium	Large	X-Large	2X-Large	3X-Large	4X-Large

_ _ = SIZE



ZIP-OFF ADJUSTABLE HOOD

REVOLUTIONARY FR FABRIC

CONSTRUCTED WITH GORE® PYRAD® FABRIC FROM THE INVENTORS OF GORE-TEX® PRODUCTS

LIGHTWEIGHT & FAST DRYING

WATERPROOF & BREATHABLE PERFORMANCE BEYOND ASTM F1891, ASTM F2733, & ANSI 107 REQUIREMENTS

WEAR TRIALS REVEALED:

- **92% WOULD PAY FOR PRODUCT OUT OF THEIR POCKET**
- **DESIGN ALLOWED WEARERS TO PERFORM TASKS AS IF NOT WEARING RAIN GEAR**

HYRDOLITE FR™ RAINWEAR KIT KITHYDRO-YB-_ _

KIT INCLUDES:

- HYDROlite FR™ Rain Jacket
- HYDROlite FR™ Bib Overall
- Drip dry mesh bag for storage

GORE® PYRAD®
FABRIC

GORE-TEX, PYRAD, GORE, AND DESIGNS ARE TRADEMARKS OF W. L. GORE & ASSOCIATIONS

NON FR/AR HI-VIS

Why Hi-Vis? High visibility garments are intended to distinguish the wearer from the background environment they are working in and around. Properly constructed, high visibility garments provide greater worker visibility in low light and high traffic areas.

Just like our FR/AR garments, our NON-FR garments are made in the USA and are held to the highest standard that we set for our products.

4

DELUXE ROAD VEST 8043_ _

- Solid Orange Polyester
- 3M™ Scotchlite™ yellow reflective trim
- Snap front closure
- Cell, pencil, & 2 lower pockets

ANSI/ISEA 107-2010	CLASS 2
SIZE	SM - 5X
STOCK	√

4

DELUXE ROAD VEST 8083_ _

- Solid Yellow Polyester
- 3M™ Scotchlite™ white reflective trim
- Snap front closure
- Cell, pencil, & 2 lower pockets

ANSI/ISEA 107-2010	CLASS 2
SIZE	SM - 5X
STOCK	√

SM	MD	LG	XL	2X	3X	4X
Small	Medium	Large	X-Large	2X-Large	3X-Large	4X-Large

_ _ = SIZE

= NUMBER OF POCKETS

DELUXE ROAD VEST 8150_ _

- Yellow Micro Mesh
- 3M™ Scotchlite™ silver reflective trim
- Zip front closure
- Cell, pencil, & 2 lower pockets

ANSI/ISEA 107-2010	CLASS 2
SIZE	SM - 5X
STOCK	√

DELUXE ROAD VEST 8149_ _

- Orange Micro Mesh
- 3M™ Scotchlite™ silver reflective trim
- Zip front closure
- Cell, pencil, & 2 lower pockets

ANSI/ISEA 107-2010	CLASS 2
SIZE	SM - 4X
STOCK	√

4

RESPONDER VEST 8383_ _

- Poly/Cotton front, Mesh Yellow back
- 3M™ Scotchlite™ silver reflective trim
- Snap front closure, adjustable snap up waist band
- Breakaway shoulders & sides
- 2 Radio pockets, 2 inside pockets

ANSI/ISEA 207-2011	√
SIZE	Regular fits MD - 2X
STOCK	√

2

RESPONDER VEST 9114_ _

- Poly/Cotton shoulders, Polyester lower
- 3M™ Scotchlite™ silver reflective trim
- Hook and loop front closure
- Breakaway shoulders & sides
- 1 Radio pocket, 1 Large patch pocket

ANSI/ISEA 207-2011	√
SIZE	Regular fits MD - 2X
MADE-TO-ORDER	

9847

MIC CLIP

BRASS GROMMETS

3M™ SCOTCHLITE™ SILVER REFLECTIVE TRIM

MESH TABLET VEST 9847_ _

- Yellow Micro Mesh
- 3M™ Scotchlite™ silver reflective trim
- Snap front closure
- Black nylon reinforced edges
- 2 Brass grommets at neck
- Cell pocket, pencil pocket, 2 lower pockets, 1 inside tablet pocket, & 1 large hook & loop inside pocket

ANSI/ISEA 107-2010	CLASS 2
SIZE	MD - 3X
STOCK	√

TWO INSIDE
TABLET POCKETS

ZIP CLOSURE
FOR SECURE STORAGE

FLASH FIRE

A flash fire is a sudden, intense fire caused by ignition of a mixture of air and a dispersed flammable substance such as a solid (including dust), flammable or combustible liquid (such as an aerosol or fine mist), or a flammable gas. It is characterized by high temperature, short duration, and a rapidly moving flame front.

ARC FLASH

An arc flash is an undesired electric discharge that travels through the air between conductors or from a conductor to a ground. The resulting violent explosion is very dangerous with temperatures that could reach up to 35,000 degrees Fahrenheit. An arc flash can cause fires, ignite clothing and burn skin and be lethal to the worker.

ANSI / ISEA 207-2011

This standard specifies performance requirements for high-visibility vests used by Public Safety Workers. ANSI/ISEA 207 has only one performance class. This standard allows for less background fabric (450 in^2), it also recommends features like breakaway, shorter waist for weapons belt users, and colors and Titles for Incident Command.

ANSI / ISEA 107-2010

High-Visibility Safety Apparel and Headwear is an industry consensus standard that specifies requirements for apparel and headwear that is capable of visually signaling the user's presence.

It was developed by the International Safety Equipment Association (ISEA) and first published in 1999. Since then, the standard has been recognized and compliance mandated by federal, state and local authorities as well as private industry entities. Today, the U.S. Department of Transportation's Federal Highway Administration (FHWA) requires nearly all workers in or near a highway right-of-way to wear garments that comply with the standard.

This standard includes specifications for Performance Class 1, 2, 3, E and Headwear.

Class 1 for Visibility in non-roadway or very low speed conditions

Class 2 for Visibility on or adjacent to the roadway where speeds are over 25MPH and employees are performing tasks

Class 3 for Visibility on or adjacent to the roadway where workers are exposed to significantly higher speeds, low light, complex backgrounds, and employees have a high task load

These brief scenarios are examples only, refer to the complete ANSI 107 standard and/or consult your Safety Professional for recommendations specific to your job and hazard.

CLASS E

Combine ANSI legwear, bibs, or pants with a Class 2 vest and the ensemble is considered Performance Class 3. For greater conspicuity with the work environment and in higher hazard situations you may combine Class E legwear and Class 3 Vests.

NFPA 2112-2012

This is a standard on FR garments for protection of industrial personnel against flash fire. It provides minimum requirements for the design, construction, evaluation, and certification.

Garments are required to be certified by an Accredited 3rd party. The garment must be labeled as compliant and include the certifying agency. NSA Flash Fire garments are all UL Certified compliant with the test methods and design requirements of NFPA 2112.

NFPA 70E-2015

This standard defines requirements for safe work practices to protect personnel by reducing exposure to major electrical hazards. Originally developed at OSHA's request, NFPA 70E helps companies and employees avoid workplace injuries and fatalities due to shock, electrocution, arc flash, and arc blast.

CUSTOMIZATION

We make hard easy! If you are looking to add a company logo, embroidery, or patches we have solutions for you. If your organization requires a custom design product we can work with you to develop a design that meets your needs.

ASTM F1891-2006

This is a standard that provides minimum arc flash resistance requirements for FR rainwear. The standard gives provisions that a garment must meet for an arc resistance, construction, water resistance and tear resistance.

ASTM F2733 - 2009

This is a standard that provides minimum flash fire requirements specifically for flame resistant rainwear. This standard includes the same durability test that ASTM F1891 contains.

ANTI-STATIC

Our Anti-Static fabric is flame resistant and includes Nega-stat® anti-static grid which reduces the hazard of ignition of combustible gas, liquid or dust. Our Anti-static fabric passes the Gas Probe Shirley Method 138:2000 as well as EN 1149-3/2004 and EN 1149-5/2008.

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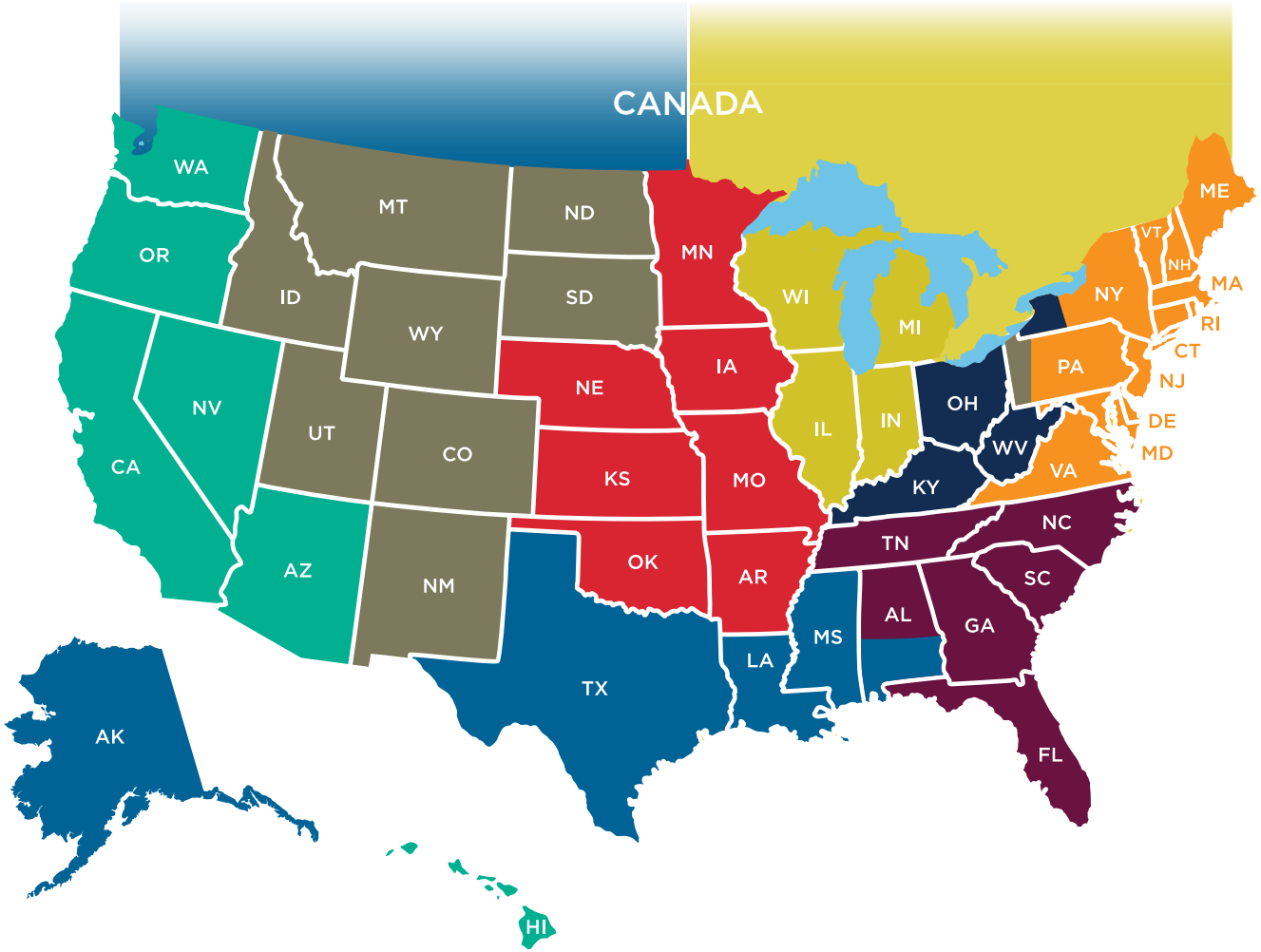

360°

VISIBILITY

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