



NATIONAL
SAFETY APPAREL®

HI-VIS WORK WEAR & FOUL WEATHER GEAR

PROUDLY MANUFACTURING IN THE USA SINCE 1935



Welcome to Vizable 360°™! This high visibility work wear & foul weather catalog will introduce you to our broad line of in-stock and made-to-order best sellers. Vizable 360°™ is proudly manufactured in the USA and is part of the National Safety Apparel® house of brands. The Vizable 360°™ line offers both flame resistant and non-FR hi-vis safety products with the same customization flexibility that is offered by all National Safety Apparel® brands.

Interested in learning more about our products, brands, or our customization capabilities? Visit our website at www.thinkNSA.com or contact our customer service team via email at customerservice@thinkNSA.com, or by phone at 800.553.0672.

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 protective apparel for individuals working in high heat environments. Today, we are a fourth generation family owned business that understands the importance of safety, quality, comfort, and customization. We continue to innovate and enhance our safety products offering. Innovation is the core value that drives us each day."

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 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 able to address your needs, questions, and requests. Since 1935, workers across the country have relied on NSA's quality craftsmanship.

WHY NSA?

HEADQUARTERS

Proudly manufacturing in Cleveland, Ohio 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.

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™**







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FR/AR HI-VIS

Vizable 360TM offers 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/AR HI-VIS MESH VESTS



FR CONTRACTOR ROAD VEST

99703__

- 5.8 oz. Yellow Modacrylic & Para-Aramid Mesh
- 3M™ Scotchlite™ FR silver reflective trim
- FR Hook & 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/cm ²
SIZE	MD-3X
STOCK	✓



1

FR MESH SAFETY VEST

VOOHA2V__

- 5.8 oz. Yellow Modacrylic & Para-Aramid Mesh
- 3M™ Scotchlite™ FR segmented silver reflective trim
- FR Hook & loop front closure
- Inside 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/cm ²
SIZE	SM-4X
STOCK	✓

FR/AR HI-VIS MESH VESTS



1

FR MESH SAFETY VEST W/ ZIPPER

- 5.8 oz. Yellow Modacrylic & Para-Aramid Mesh
- 3M™ Scotchlite™ FR segmented silver reflective trim
- Zip front closure
- Inside 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/cm ²
SIZE	SM-4X
STOCK	✓



1

FR HYBRID MESH VEST

VOOAH2V_

- 5.8 oz. Yellow Modacrylic & Para-Aramid Mesh
- 5.3 oz. Navy made from DuPont™ Protera®
- 3M™ Scotchlite™ FR segmented silver reflective trim
- FR Hook & loop front closure
- Inside chest pocket
- Hybrid color blocking delivers clean-style

ANSI/ISEA 107-2010	CLASS 2
OSHA 1910.269	✓
ASTM F1506-10a	✓
NFPA 70E-2015	✓
CSA Z462-15	✓
ARC RATING	Yellow: 4.6 cal/cm ² ; HRC 1 Navy: 8.5 cal/cm ² ; HRC 2
SIZE	SM-4X
MADE-TO-ORDER	

SM
Small

MD
Medium

LG
Large

XL
X-Large

2X
2X-Large

3X
3X-Large

4X
4X-Large

— = SIZE

3

FR/AR HI-VIS MESH VESTS



4

FR DELUXE ROAD VEST

99363__

- 5.8 oz. Yellow Modacrylic & Para-Aramid Mesh
- 3M™ Scotchlite™ FR silver reflective trim
- Zip front closure
- Mic-clip on left shoulder
- Cell phone chest pocket, pencil pocket, & 2 lower pockets



1

CLASS 3 FR MESH SAFETY VEST

VOOHA3V__

- 5.8 oz. Yellow Modacrylic & Para-Aramid Mesh
- 3M™ Scotchlite™ FR segmented silver reflective trim
- FR Hook & loop front closure
- Inside 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/cm ²
SIZE	SM-5X
STOCK	✓

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/cm ²
SIZE	SM-4X
STOCK	✓



4

FR DELUXE ANTI-STATIC MESH VEST

99509_

- 5.8 oz. Yellow Modacrylic Mesh with Nega-Stat®
- 3M™ Scotchlite™ FR silver reflective trim
- Zip front closure
- Fabric meets Gas Probe Shirley Method 138:2000, EN 1149-3/2004 & EN 1149-2008
- Mic-clip on left shoulder
- Cell phone chest pocket, pencil pocket, & 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/cm ²
SIZE	MD-3X
STOCK	✓

DIFFERENCE BETWEEN CLASSES

How do I know if I have a Class 2 or Class 3 garment? The easiest way to tell without measuring square inches is identifying whether the arms or legs are marked with reflective trim.

In order to be Class 3, a vest, shirt or jacket **MUST** have reflective material on the sleeves. The main reason for this is to help drivers distinguish the difference between humans versus cones, delineators, barrels, and other devices marking the roadway. To summarize, a sleeveless vest cannot meet Class 3 on its own.

How do you turn a Class 2 vest or jacket into Class 3? Easy, add Class E leg gaiters, pants or bibs. Legwear that meets the ANSI 107 requirements for Class E devices can be combined with Class 2 garments to create a “Class 3 Ensemble”. See the table of background requirements on page 23 for more information.



CLASS 2 VEST + LEG GAITERS = CLASS 3



SLEEVES WITH REFLECTIVE TRIM = CLASS 3

S
M
SmallM
D
MediumL
G
LargeX
L
X-Large2
X
2X-Large3
X
3X-Large4
X
4X-Large5
X
5X-Large

--- = SIZE

5

FR/AR 100% COTTON VESTS



FR CONTRACTOR SHORT WAIST VEST **99604_**

- 9 oz. Orange 100% FR Cotton, NON-ANSI
- 3M™ Scotchlite™ FR silver reflective trim
- FR Hook & 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
MADE-TO-ORDER	



4

FR DELUXE SHORT WAIST VEST **99223_**

- 9 oz. Orange 100% FR Cotton, NON-ANSI
- 3M™ Scotchlite™ FR silver reflective trim
- Zip front closure
- Mic-clip on left shoulder
- Cell phone chest pocket, pencil pocket, & 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	✓



4

FR SHORT WAIST BREAKAWAY VEST 99345__

- 9 oz. Orange 100% FR Cotton, NON-ANSI
- 3M™ Scotchlite™ FR silver reflective trim
- FR Hook & loop front closure
- 5 Point hook & loop breakaway
- Mic-clip on left shoulder
- Cell phone chest pocket, pencil pocket, & 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	LG-3X
STOCK	✓



7

FR SURVEY VEST 99374__

- 9 oz. Orange 100% FR Cotton, NON-ANSI
- 3M™ Scotchlite™ FR silver reflective trim
- Zip front closure
- Mic-clip on left shoulder
- Right chest cell phone pocket, left chest double pencil/tool pocket with 6 pencil/tool slots, back inside survey pocket, & 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	MD-3X
STOCK	✓

S M
— —
SmallM D
— —
MediumL G
— —
LargeX L
— —
X-Large2 X
— —
2X-Large3 X
— —
3X-Large4 X
— —
4X-Large5 X
— —
5X-Large

— — = SIZE

FR/AR HI-VIS DUAL HAZARD VESTS



FR CONTRACTOR SAFETY VEST

V20TV2V_

- 6.5 oz. Yellow FR Solid Modacrylic Blend
- 3M™ Scotchlite™ FR silver reflective trim
- FR Hook & 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	✓



4

FR DELUXE VEST

V21TV2Z_

- 6.5 oz. Yellow FR Solid Modacrylic Blend
- 3M™ Scotchlite™ FR silver reflective trim
- Zip front closure
- Moisture wicking & breathable
- Mic-clip on left shoulder
- Cell phone chest pocket, pencil pocket, & 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/cm ²
SIZE	SM-4X
STOCK	✓



1

FR STANDARD VEST

VOOTD2Z_

- 7.7 oz. Yellow UltraSoft®
- 3M™ Scotchlite™ FR segmented silver reflective trim
- Zip front closure
- Durable & lightweight
- Inside 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/cm ²
SIZE	SM-4X
STOCK	✓



1

ULTRASOFT® ADJUSTABLE WAIST VEST

V27TD2V_

- 7.7 oz. Yellow UltraSoft®
- 3M™ Scotchlite™ FR silver reflective trim
- FR Hook & loop closure
- FR Hook & loop adjustable waist band
- Inside 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/cm ²
SIZE	Regular (RG) Fits MD-2X Jumbo (J) Fits 2X-5X
STOCK	✓

SM
SmallMD
MediumLG
LargeXL
X-Large2X
2X-Large3X
3X-Large4X
4X-Large

--- = SIZE

9

FR/AR HI-VIS SOLID VESTS



4

FR DELUXE ROAD VEST

99222_ _

- 5.5 oz. Orange FR Solid Modacrylic Blend
- 3M™ Scotchlite™ FR silver reflective trim
- Zip front closure
- Mic-clip on left shoulder
- Cell phone chest pocket, pencil pocket, & 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	✓



7

FR SURVEY VEST

99375_ _

- 6.5 oz. Yellow FR Solid Modacrylic Blend
- 3M™ Scotchlite™ FR silver reflective trim
- Zip front closure
- Mic-clip on left shoulder
- Right chest cell phone pocket, left chest double pencil/tool pocket with 6 pencil/tool slots, back inside survey pocket, & 2 lower pockets

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	✓



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.*

You can add your company logo, safety slogan, name or title to the front or back of most jackets, shirts and vests. If you provide high resolution artwork and garment location for the logo, we will provide a full color proof of the customized garment for your final approval. Contact customer service for a quote at customerservice@thinkNSA.com or 1.800.553.0672.

Due to the new ANSI 107-2015 Standard specifying logo allowances and balanced design criteria for vests, we recommend maximum 2"x4" logos for the front chest and maximum of 8"x8" logos for the back. This should assist in maintaining compliance with the requirements of the 2015 ANSI High Visibility Standard.



FR RESPONDER VEST

99340R-RED

- 9.6 oz. 100% FR Cotton Red Front
- 7.5 oz. FR Modacrylic Yellow Back
- 3M™ Scotchlite™ FR silver reflective trim
- Adjustable size fits over outerwear
- 5 Point hook & loop breakaway
- 2 Mic-clip with pen pockets
- 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	8.6 cal/cm ² (FR Cotton Front) 9.4 cal/cm ² (FR Modacrylic Back)
SIZE	Regular (R) Fits MD-2X
STOCK	✓

MD
MediumLG
LargeXL
X-Large2X
2X-Large3X
3X-Large

--- = SIZE



FR LEG GAITERS

L05TVCE

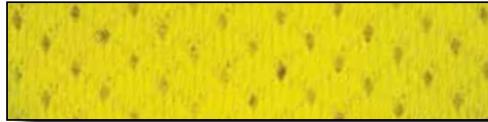
- 6.5 oz. Yellow FR Solid Modacrylic Blend
- 3M™ Scotchlite™ FR segmented silver reflective trim
- FR Hook & loop closure
- Moisture wicking & breathable
- Combine with Class 2 vest for Class 3 ensemble

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	✓

DID YOU KNOW...

The Vizable 360™ line offers a wide range of choices for FR/AR fabrics that can be used in high visibility vest, shirts, and other styles of PPE.

- **HA** - This mesh fabric has the highest air permeability and is the lightest weight fabric choice for a vest. An example of this vest that is found in this catalog is VOOAH2V_ _ on page 3.
- **HG** - Not only is this a mesh fabric, it also has the additional benefit of an anti-static carbon grid to dissipate static in combustible environments. Our FR Deluxe Anti-Stat Mesh Vest (99509_ _) is found on page 5 in this catalog.
- **TV** - This is a solid modacrylic blended fabric that offers moisture wicking performance along with breathability in a NFPA 2112-2012 compliant fabric. Check out V21TV2Z_ _ on page 8.
- **HZ** - This lightweight orange solid fabric is FR/AR and ANSI/ISEA 107 certified. A vest made from this fabric is 99222_ _ and is found on page 10.
- **TD** - The TD fabric is made from Westex® UltraSoft® and is a triple hazard 88/12 FR cotton. Our FR Standard Vest (VOOTD2Z_ _) is found on page 9.
- **BX900** - This bright orange 100% FR cotton fabric has FR/AR protection without ANSI certification. We make our FR Deluxe Short Waist Vest (99223_ _) found on page 6 out of this orange FR cotton fabric.

**HA** - 5.8 oz. | 4.6 cal/cm²**HG** - 5.8 oz. | 4.6 cal/cm²**TV** - 6.5 oz. | 8.9 cal/cm²**HZ** - 5.5 oz | 5.5 cal/cm²**TD** - 7.7 oz. | 9.2 cal/cm²**BX900** - 9.6 oz. | 8.6 cal/cm²

WHAT IS THE DIFFERENCE IN FLAME RESISTANT (FR) AND ARC RATED (AR) FABRIC?



Scan the QR code above to see how flame resistant reflective trim and flammable reflective trim react when an ignition source is removed.

► This is a great question that is often asked by customers. The simple answer is: **All arc rated fabrics are flame resistant**. However, **all flame resistant fabrics are NOT arc rated**. The long answer is a bit more complicated and revolves around textile and garment testing standards.

In order to be considered **flame resistant**, the fabric must not melt or drip and cannot exceed the char length (per ASTM F1506, less than 6"; per NFPA 2112, less than 4") or afterflame time when tested according to ASTM D6413. This test method measures the vertical flame resistance of fabrics. According to specifications for flame resistant fabrics and garments, once the ignition source has been removed the fabric must self-extinguish, cannot melt or drip, and the char length cannot exceed the specific test specification. This test is perfect to establish if a fabric is flammable (will catch on fire and/or will melt and/or drip) or **flame resistant** (self-extinguishes) in a controlled test setting. Scan the QR code to the left to see how flame resistant reflective trim and flammable reflective trim react when an ignition source is removed.

Arc rated (AR) fabrics are tested to ASTM 1959, which requires any fabric submitted for testing to be flame resistant. This test method is a bit more complicated, and is used to measure and describe the properties of fabrics in response to convective and radiant energy generated by an electric arc under controlled laboratory conditions. By simulating an electric arc, the test measures the incident energy on a fabric that results in a 50% probability of the on-set of second-degree skin burn injury. Arc ratings can be reported as ATPV (Arc Thermal Performance Value) or EBT (EBT Breakopen Threshold Energy).

Summary: **All AR (arc rated) garments are FR (flame resistant), but not all FR is AR!** Be sure you are selecting the right PPE.

Contact us with any questions you may have at 800.553.0672 or by email at customerservice@thinkNSA.com.



VISIT US FOR
MORE INFO
www.thinkNSA.com

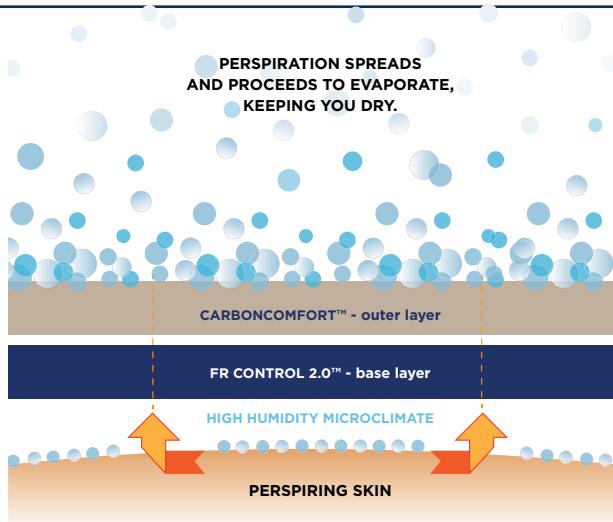
We offer several layering options to help you meet a variety of PPE requirements. Have a question regarding layering? Give us a call and our customer service representatives will be happy to guide you in the right direction.

MOISTURE MANAGEMENT SYSTEM

Our FR Control 2.0™ performance FR/AR base layer garments offer both proactive and reactive properties. The proactive technology works to actively regulate body temperature and test reports show that perspiration is reduced by as much as 34%. Once perspiration starts, the reactive technology will wick moisture from the skin by absorbing and forcing it to the exterior of the fabric, away from the body. Moisture wicking is one of the most important steps in creating a layering system, which is why we built it into our FR layering system.

FR Daily wear garments, like our CARBONCOMFORT™ Work Shirt, contain breathable and wicking properties to create a moisture management layering system. Once a base layer wicks liquid away from the skin and pushes it to the exterior, the moisture can become trapped or be wicked by the primary or outer layer depending on the fabric properties of the outer layer. A complete moisture management system can be structured to not only provide increased FR protection, but increased comfort, breathability, and drying rate as well.

HOW IT WORKS



DID YOU KNOW...



We offer base layers in the same FR Control 2.0™ fabric in a variety of colors, including navy and desert sand. Interested in learning more about our FR Control 2.0™ line? Scan the QR code below to view the products on our website at thinkNSA.com.



FR CONTROL 2.0™ BASE LAYER TEE

BSTJTRC2_

- 5.5 oz. Yellow Modacrylic Blend
- 3M™ Scotchlite™ FR segmented silver reflective trim
- Proactively regulates body temperature
- Antimicrobial 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/cm ²
SIZE	SM-3X
STOCK	✓

SM
SmallMD
MediumLG
LargeXL
X-Large2X
2X-Large3X
3X-Large

-- = SIZE

FR/AR HI-VIS T-SHIRTS



FR SHORT SLEEVE T-SHIRT

C54HYC3_

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



FR LONG SLEEVE T-SHIRT

C54HYLSC3_

- 7.75 oz. Hi-Vis Yellow FR Modacrylic/Cotton Blend
- 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 Regular (RG)
	LG-3X Tall (T)
STOCK	✓

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 Regular (RG)
	MD-3X Tall (T)
STOCK	✓

HYBRID FR™ T-SHIRTS



HYBRID FR™ LONG SLEEVE T-SHIRT

C54HYLSHC3_

- 7.75 oz. Hi-Vis Yellow FR Modacrylic/Cotton Blend
- 6.5 oz Navy FR Modacrylic/Cotton Blend
- 3M™ Scotchlite™ FR segmented silver reflective trim
- Hybrid color blocking delivers clean-style

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/cm ²
	Navy: 9.8 cal/cm ²
SIZE	SM-4X
STOCK	✓



HYBRID FR™ LONG SLEEVE HENLEY

C54HYBLSHC3_

- 7.75 oz. Hi-Vis Yellow FR Modacrylic/Cotton Blend
- 6.5 oz Navy FR Modacrylic/Cotton Blend
- 3M™ Scotchlite™ FR segmented silver reflective trim
- 3 Button front placket
- Hybrid color blocking delivers clean-style

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/cm ²
	Navy: 9.8 cal/cm ²
SIZE	SM-4X
MADE-TO-ORDER	

S M
Small

M D
Medium

L G
Large

X L
X-Large

2 X
2X-Large

3 X
3X-Large

4 X
4X-Large

R G
Regular

T
Tall

-- = SIZE

FR/AR HI-VIS WORK SHIRTS



1

FR BUTTON DOWN WORK SHIRT

SHRTV3C3__RG

- 6.5 oz. Yellow FR Woven Modacrylic Blend
- 3M™ Scotchlite™ FR segmented silver reflective trim
- Button down collar
- 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/cm ²
SIZE	SM-4X
MADE-TO-ORDER	



1

ULTRASOFT® FR BUTTON DOWN WORK SHIRT

SHRTD3C3__RG

- 7.7 oz. Yellow UltraSoft®
- 3M™ Scotchlite™ FR segmented silver reflective trim
- Button down collar
- 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/cm ²
SIZE	SM-4X
STOCK	✓

HYBRID FR™ ENSEMBLE



1

HYBRID FR™ CLASS 3 WORK SHIRT

- 6.5 oz. Yellow FR Woven Modacrylic Blend
- 7 oz. Navy UltraSoft®
- 3M™ Scotchlite™ FR segmented silver reflective trim
- Adjustable 2 button cuff closure
- Hybrid color blocking delivers clean-style

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	Yellow: 8.9 cal/cm ²
	Navy: 8.7 cal/cm ²
SIZE	SM-3X
STOCK	✓

4

HYBRID FR™ CLASS E WORK PANT

- 8.5 oz. Navy FR Modacrylic Blend
- 6.5 oz. Hi-Vis FR Modacrylic Blend Overlay
- 3M™ Scotchlite™ FR segmented silver reflective trim
- Hybrid color blocking delivers clean-style



ANSI/ISEA 107-2010	CLASS E
OSHA 1910.269	✓
ASTM F1506-10a	✓
NFPA 70E-2015	✓
CSA Z462-15	✓
NFPA 2112-2012	✓
HRC	2
ARC RATING	Yellow: 8.9 cal/cm ²
	Navy: 8.8 cal/cm ²
WAIST	30" - 46" (Even Sizes)
INSEAM	28" - 34" (Even Sizes)
MADE-TO-ORDER	

S M
Small

M D
Medium

L G
Large

X L
X-Large

2 X
2X-Large

3 X
3X-Large

4 X
4X-Large

— X —
Waist Inseam

— — = SIZE

19

FR/AR HI-VIS SWEATSHIRTS



1

FR HOODED PULLOVER SWEATSHIRT C21HC03C3_

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



2

FR HOODED ZIP FRONT SWEATSHIRT C21HC05C3_

- 10.5 oz. Yellow FR Modacrylic/Cotton
- 3M™ Scotchlite™ FR segmented silver reflective trim
- Zip front closure
- Drawstring hood with cord locks
- 2 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/cm ²
SIZE	SM-4X
STOCK	✓

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



2

HYBRID FR™ DELUXE SWEATSHIRT

C21HC08C3__

- 10.5 oz. Yellow FR Modacrylic/Cotton
- 14.25 oz. Navy FR Fleece
- 3M™ Scotchlite™ FR segmented silver reflective trim
- Zip front closure with FR hook & loop at neck
- 2 Front hand warmer pockets
- Hybrid color blocking delivers clean-style

ANSI/ISEA 107-2010	CLASS 3
OSHA 1910.269	✓
ASTM F1506-10a	✓
NFPA 70E-2015	✓
CSA Z462-15	✓
ARC RATING	Yellow: 20 cal/cm ² ; HRC 2 Navy: 34 cal/cm ² ; HRC 3
SIZE	SM-4X
STOCK	✓



2

HYBRID FR™ DELUXE SWEATSHIRT W/ LINING

C21HCWE08C3__

- 10.5 oz. Yellow FR Modacrylic/Cotton
- 14.25 oz. FR Navy Fleece
- 9 oz. Grey Waffle Weave Lining
- 3M™ Scotchlite™ FR segmented silver reflective trim
- Zip front closure with FR hook & loop at neck
- 2 Front hand warmer pockets
- Hybrid color blocking delivers clean-style

ANSI/ISEA 107-2010	CLASS 3
OSHA 1910.269	✓
ASTM F1506-10a	✓
NFPA 70E-2015	✓
CSA Z462-15	✓
HRC	3
ARC RATING	Yellow: 34 cal/cm ² Navy: 35 cal/cm ²
SIZE	SM-4X
STOCK	✓

S M
SmallM D
MediumL G
LargeX L
X-Large2 X
2X-Large3 X
3X-Large4 X
4X-Large

--- = SIZE



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.

	<u>CLASS 1</u>	<u>CLASS 2</u>	<u>CLASS 3</u>	<u>CLASS E</u>
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 page 55 for further information regarding ANSI Classes

ANSI/ISEA 207-2011 - 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 (0.29m²)

RETROREFLECTIVE TAPE 201 in.² (0.13 m²)

ANSI/ISEA UPDATES

► Our designs are ready for the new labeling and categories of ANSI/ISEA 107-2015. We are in the process of updating certificates for the new labeling requirements. Visit our website at www.thinkNSA.com or see page 50 for more information.





FR/AR HI-VIS RAINWEAR & FOUL WEATHER GEAR

The Vizable 360°TM arc rated and flash fire foul weather gear offers protection from the elements, potential arc flash hazards, and open flames.

This section offers some of the most advanced flame resistant foul weather gear available in the market today. This allows customers to create the ultimate flame resistant foul weather system by layering these safety garments. Need assistance finding the right foul weather system? Contact us today at 800.553.0672 or send us an email at customerservice@thinknsa.com.



Scan the QR code to the left with your mobile device to view the Vizable 360°TM line of FR/AR Foul Weather Gear.



2

30" LONG ARC H₂O™ FR RAIN JACKET

R30RQ06__

- Fluorescent Orange PU/FR Cotton Knit
- 100% Waterproof with welded seams
- Covered zip front closure with snap storm flap
- 2 Front pockets with flaps
- Back ventilation system with d-ring opening

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

ARC H₂O™ FR BIB OVERALL

R40RQ14__

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

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



2

30" LONG ARC H₂O™ FR RAIN JACKET

R30RL06_

- Fluorescent Yellow PU/FR Cotton Knit
- 100% Waterproof with welded seams
- Covered zip front closure with snap storm flap
- 2 Front pockets with flaps
- Back ventilation system with d-ring opening

ANSI/ISEA 107-2010	CLASS 3
OSHA 1910.269	✓
ASTM F1891-12	✓ (Arc Flash)
NFPA 70E-2015	✓
CSA Z462-15	✓
ASTM F2733-09	✓ (Flash Fire)
HRC	2
ARC RATING	24 cal/cm ²
SIZE	SM-4X
STOCK	✓

ARC H₂O™ FR BIB OVERALL

R40RL14_

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

ANSI/ISEA 107-2010	CLASS E
OSHA 1910.269	✓
ASTM F1891-12	✓ (Arc Flash)
NFPA 70E-2015	✓
CSA Z462-15	✓
ASTM F2733-09	✓ (Flash Fire)
HRC	2
ARC RATING	24 cal/cm ²
SIZE	SM-4X
STOCK	✓

S M
— —
SmallM D
— —
MediumL G
— —
LargeX L
— —
X-Large2 X
— —
2X-Large3 X
— —
3X-Large4 X
— —
4X-Large

— — = SIZE



2

30" LONG ARC H₂O™ FR RAIN JACKET R30RL05__

- Fluorescent Yellow PU/FR Cotton Knit
- 100% Waterproof with welded seams
- Covered zip front closure with snap storm flap
- 2 Front pockets with flaps
- Back ventilation system with d-ring opening

ANSI/ISEA 107-2010	CLASS 2
OSHA 1910.269	✓
ASTM F1891-12	✓ (Arc Flash)
NFPA 70E-2015	✓
CSA Z462-15	✓
ASTM F2733-09	✓ (Flash Fire)
HRC	2
ARC RATING	24 cal/cm ²
SIZE	SM-4X
STOCK	✓



2

49" LONG ARC H₂O™ FR TRENCH COAT R31RL06__

- Fluorescent Yellow PU/FR Cotton Knit
- 100% Waterproof with welded seams
- Covered zip front closure with snap storm flap
- 2 Front pockets with flaps
- Back ventilation system with d-ring opening

ANSI/ISEA 107-2010	CLASS 3
OSHA 1910.269	✓
ASTM F1891-12	✓ (Arc Flash)
NFPA 70E-2015	✓
CSA Z462-15	✓
HRC	2
ARC RATING	24 cal/cm ²
SIZE	SM-4X
STOCK	✓

ARC H₂O™ KIT

KITRQC3__

- Fluorescent Orange PU/FR Cotton Knit
- Kit includes Arc H₂O™ Jacket, Bib Overall, & mesh bag
- Drip dry mesh bag for storage

ARC H₂O™ KIT

KITRLC3__

- Fluorescent Yellow PU/FR Cotton Knit
- Kit includes Arc H₂O™ Jacket, Bib Overall, & mesh bag
- Drip dry mesh bag for storage

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

ANSI/ISEA 107-2010	CLASS 3 (Jacket)
ANSI/ISEA 107-2010	CLASS E (Bib Overall)
OSHA 1910.269	✓
ASTM F1891-12	✓ (Arc Flash)
NFPA 70E-2015	✓
CSA Z462-15	✓
ASTM F2733-09	✓ (Flash Fire)
HRC	2
ARC RATING	24 cal/cm ²
SIZE	SM-4X
STOCK	✓

S M
Small

M D
Medium

L G
Large

X L
X-Large

2 X
2X-Large

3 X
3X-Large

4 X
4X-Large

--- = SIZE



- 8.3 oz. GORE-TEX® products with GORE® PYRAD® fabric technology
- 3M™ Scotchlite™ FR segmented silver reflective trim
- Zip-off adjustable hood
- Covered zip front closure with zipper pull
- Covered d-ring opening for fall protection

ANSI/ISEA 107-2010	CLASS 3
OSHA 1910.269	✓
ASTM F1891-12	✓ (Arc Flash)
NFPA 70E-2015	✓
CSA Z462-15	✓
Exceeds ANSI 107 Breathability (ASTM E96-05 B & BW)	
HRC	3
ARC RATING	Yellow: 31 cal/cm ²
	Black: 34 cal/cm ²
SIZE	SM-4X
MADE-TO-ORDER	



STORM SHOWER TESTED &
FIELD PROVEN TO KEEP WORKERS DRY

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 OWN POCKET
- DESIGN ALLOWED WEARERS TO PERFORM TASKS AS IF NOT WEARING RAIN GEAR

GORE® PYRAD®
FABRIC

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



HYDROLITE FR™ BIB OVERALL

HYDROBIB-YB-__

- 8.3 oz. GORE-TEX® products with GORE® PYRAD® fabric technology
- 3M™ Scotchlite™ FR segmented silver reflective trim
- Heavy duty quick release suspender system
- Covered zipper closure on legs
- Front bib pocket & snap fly closure

ANSI/ISEA 107-2010	CLASS E
OSHA 1910.269	✓
ASTM F1891-12	✓ (Arc Flash)
NFPA 70E-2015	✓
CSA Z462-15	✓
ASTM F2733-09	✓ (Flash Fire)
Exceeds ANSI 107 Breathability (ASTM E96-05 B & BW)	
HRC	3
ARC RATING	Yellow: 31 cal/cm ²
	Black: 34 cal/cm ²
SIZE	MD-3X
STOCK	✓



HYDROLITE FR™ BIB OVERALL

HYDROBIB-OB-__

- 8.3 oz. GORE-TEX® products with GORE® PYRAD® fabric technology
- 3M™ Scotchlite™ FR segmented silver reflective trim
- Heavy duty quick release suspender system
- Covered zipper closure on legs
- Front bib pocket & snap fly closure

ANSI/ISEA 107-2010	CLASS E
OSHA 1910.269	✓
ASTM F1891-12	✓ (Arc Flash)
NFPA 70E-2015	✓
CSA Z462-15	✓
ASTM F2733-09	✓ (Flash Fire)
Exceeds ANSI 107 Breathability (ASTM E96-05 B & BW)	
HRC	3
ARC RATING	Orange: 31 cal/cm ²
	Black: 34 cal/cm ²
SIZE	MD-3X
MADE-TO-ORDER	

SM
Small

MD
Medium

LG
Large

XL
X-Large

2X
2X-Large

3X
3X-Large

4X
4X-Large

— = SIZE

HYDROLITE FR™ FOUL WEATHER GEAR



2

HYDROLITE FR™ STORM JACKET

HYDROJACK-YB-__

- 8.3 oz. GORE-TEX® products with GORE® PYRAD® fabric technology
- 3M™ Scotchlite™ FR segmented silver reflective trim
- Zip-off adjustable hood
- 2-Way covered zip front closure with zipper pull
- Covered d-ring opening for fall protection

ANSI/ISEA 107-2010	CLASS 3
OSHA 1910.269	✓
ASTM F1891-12	✓ (Arc Flash)
NFPA 70E-2015	✓
CSA Z462-15	✓
ASTM F2733-09	✓ (Flash Fire)
Exceeds ANSI 107 Breathability (ASTM E96-05 B & BW)	
HRC	3
ARC RATING	Yellow: 31 cal/cm ²
	Black: 34 cal/cm ²
SIZE	MD-3X
STOCK	✓



2

HYDROLITE FR™ STORM JACKET

HYDROJACK-OB-__

- 8.3 oz. GORE-TEX® products with GORE® PYRAD® fabric technology
- 3M™ Scotchlite™ FR segmented silver reflective trim
- Zip-off adjustable hood
- 2-Way covered zip front closure with zipper pull
- Covered d-ring opening for fall protection

ANSI/ISEA 107-2010	CLASS 3
OSHA 1910.269	✓
ASTM F1891-12	✓ (Arc Flash)
NFPA 70E-2015	✓
CSA Z462-15	✓
ASTM F2733-09	✓ (Flash Fire)
Exceeds ANSI 107 Breathability (ASTM E96-05 B & BW)	
HRC	3
ARC RATING	Orange: 31 cal/cm ²
	Black: 34 cal/cm ²
SIZE	MD-3X
MADE-TO-ORDER	



HYDROLITE FR™ PANT

Covered zipper closure on legs



HYDROPAINT-YB-__

- 8.3 oz. GORE-TEX® products with GORE® PYRAD® fabric technology
- 3M™ Scotchlite™ FR segmented silver reflective trim
- Leg opening with zipper & storm flap
- Inside FR hook & loop waist adjustment ensures comfortable fit
- Snap fly closure & belt loops

ANSI/ISEA 107-2010	CLASS E
OSHA 1910.269	✓
ASTM F1891-12	✓ (Arc Flash)
NFPA 70E-2015	✓
CSA Z462-15	✓
Exceeds ANSI 107 Breathability (ASTM E96-05 B & BW)	
HRC	3
ARC RATING	Yellow: 31 cal/cm ²
	Black: 34 cal/cm ²
SIZE	SM-4X
MADE-TO-ORDER	



HYDROLITE FR™ PANT

HYDROPAINT-B-__

- 8.3 oz. GORE-TEX® products with GORE® PYRAD® fabric technology
- 3M™ Scotchlite™ FR segmented silver reflective trim
- Leg opening with zipper & storm flap
- Inside FR hook & loop waist adjustment ensures comfortable fit
- Snap fly closure & belt loops

OSHA 1910.269	✓
ASTM F1891-12	✓ (Arc Flash)
NFPA 70E-2015	✓
CSA Z462-15	✓
Exceeds ANSI 107 Breathability (ASTM E96-05 B & BW)	
HRC	3
ARC RATING	Black: 34 cal/cm ²
SIZE	SM-4X
MADE-TO-ORDER	

SM
Small

MD
Medium

LG
Large

XL
X-Large

2X
2X-Large

3X
3X-Large

4X
4X-Large

--- = SIZE

HYDROLite FR™ FOUL WEATHER GEAR



HYDROLITE FR™ KIT

KITHYDRO-YB-__

- 8.3 oz. GORE-TEX® products with GORE® PYRAD® fabric technology
- 3M™ Scotchlite™ FR segmented silver reflective trim
- Kit includes HYDROLite FR™ Storm Jacket, Bib Overall & mesh bag
- Waterproof - Garments passed a one-hour Storm Shower Test
- Fast drying, lightweight fabric

ANSI/ISEA 107-2010	CLASS 3 (Jacket)
ANSI/ISEA 107-2010	CLASS E (Bib Overall)
OSHA 1910.269	✓
ASTM F1891-12	✓ (Arc Flash)
NFPA 70E-2015	✓
CSA Z462-15	✓
ASTM F2733-09	✓ (Flash Fire)
Exceeds ANSI 107 Breathability (ASTM E96-05 B & BW)	
HRC	3
ARC RATING	Yellow: 31 cal/cm ²
	Black: 34 cal/cm ²
SIZE	MD-3X
STOCK	✓



HYDROLITE FR™ KIT

KITHYDRO-OB-__

- 8.3 oz. GORE-TEX® products with GORE® PYRAD® fabric technology
- 3M™ Scotchlite™ FR segmented silver reflective trim
- Kit includes HYDROLite FR™ Storm Jacket, Bib Overall & mesh bag
- Waterproof - Garments passed a one-hour Storm Shower Test
- Fast drying, lightweight fabric

ANSI/ISEA 107-2010	CLASS 3 (Jacket)
ANSI/ISEA 107-2010	CLASS E (Bib Overall)
OSHA 1910.269	✓
ASTM F1891-12	✓ (Arc Flash)
NFPA 70E-2015	✓
CSA Z462-15	✓
ASTM F2733-09	✓ (Flash Fire)
Exceeds ANSI 107 Breathability (ASTM E96-05 B & BW)	
HRC	3
ARC RATING	Orange: 31 cal/cm ²
	Black: 34 cal/cm ²
SIZE	MD-3X
MADE-TO-ORDER	



2

FR FLEECE LINED OUTERWEAR VEST

OWVRLFLC2__

- Fluorescent Yellow FR/PU Cotton Knit
- 7.6 oz. Fleece Lining made from DuPont™ Nomex® IIIA
- 3M™ Scotchlite™ FR silver reflective trim
- 2 Lower zipper hand warmer pockets
- Covered d-ring opening for fall protection
- Ideal for building a foul weather layering system

ANSI/ISEA 107-2010	CLASS 2
OSHA 1910.269	✓
ASTM F1506-10a	✓
NFPA 70E-2015	✓
CSA Z462-15	✓
HRC	2
ARC RATING	24 cal/cm ² (Shell)
SIZE	SM-4X
MADE-TO-ORDER	



FR FOUL WEATHER GEAR



2

FR FLEECE LINED OUTERWEAR VEST

OWVRQFLC2__

- Fluorescent Orange PU/FR Cotton Knit
- 7.6 oz. Fleece Lining made from DuPont™ Nomex® IIIA
- 3M™ Scotchlite™ FR silver reflective trim
- 2 Lower zipper hand warmer pockets
- Covered d-ring opening for fall protection
- Ideal for building a foul weather layering system

ANSI/ISEA 107-2010	CLASS 2
OSHA 1910.269	✓
ASTM F1506-10a	✓
NFPA 70E-2015	✓
CSA Z462-15	✓
HRC	2
ARC RATING	19 cal/cm ² (Shell)
SIZE	SM-4X
MADE-TO-ORDER	

SM
Small

MD
Medium

LG
Large

XL
X-Large

2X
2X-Large

3X
3X-Large

4X
4X-Large

— = SIZE



2

FR HI-VIS QUILTED LINED OUTERWEAR VEST OWVTZMQC2__

- 8.3 oz. Extreme Weather with 10 oz. FR Quilted Lining
- 3M™ Scotchlite™ FR silver reflective trim
- 2 Lower zipper hand warmer pockets
- Covered d-ring opening for fall protection
- Ideal for building a foul weather layering system
- Water repellent, wind resistant, & 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	11 cal/cm ² (Shell)
SIZE	SM-4X
MADE-TO-ORDER	



3

FR HI-VIS FIELD COAT

C55TZWSC3__RG

- 8.3 oz. Extreme Weather with 14.25 oz. FR Fleece Lining
- 3M™ Scotchlite™ FR segmented silver reflective trim
- Front zipper closure with inside flap
- Inside chest pocket
- Knit wrist & elastic at sides of waistband
- Water repellent, wind resistant, & breathable

ANSI/ISEA 107-2010	CLASS 3
OSHA 1910.269	✓
ASTM F1506-10a	✓
NFPA 70E-2015	✓
CSA Z462-15	✓
HRC	2
ARC RATING	11 cal/cm ² (Shell)
SIZE	SM-4X
MADE-TO-ORDER	



HYBRID FR™ EXTREME BOMBER

C34TZMQHC3__RG

- 8.3 oz. Extreme Weather
- 10 oz. FR Quilted Lining
- 3M™ Scotchlite™ FR segmented silver reflective trim
- Covered zip front closure with secure snaps
- Water repellent, wind resistant, & breathable
- Hybrid color blocking delivers clean-style

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	11 cal/cm ² Shell
SIZE	SM-4X
MADE-TO-ORDER	



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 line that allows you to be seen in a whole new way - Hybrid FR™. Hybrid FR™ combines fluorescent and dark fabric bringing a clean-style to ANSI garments. This combination creates a practical garment that retains a fresh, new appearance longer and offers an innovative two-tone hi-vis option for multiple work applications.

Visit pages 17-21 to view additional Hybrid FR™ products or scan the QR code below to view the entire line on our website at www.thinkNSA.com.



SM
Small

MD
Medium

LG
Large

XL
X-Large

2X
2X-Large

3X
3X-Large

4X
4X-Large

— = SIZE 37

NOT FINDING WHAT YOU NEED?

Look no further, we are the custom PPE solution source. With our in house design capabilities and our cut and sew manufacturing located under one roof in Cleveland, Ohio, we can easily build a custom piece of PPE from start to finish. Adding a company logo, employee name, or patch to one of our standard garments is simple with our in house embellishment team. Reflective trim, extra pockets, and color blocking are just few of the common customization requests we receive from customers. The removal of pockets and garment features to create a custom garment is an easy and simple process. We are proud to be flexible and offer fully custom or simply customized garments to our customers.

**All products on this page are custom, made-to-order garments. If you can't find a product to meet your specific hazard and work environment needs, contact customerservice@thinkNSA.com today and we will be happy to assist you in mitigating the hazard.*





DID YOU KNOW...

The driving force behind our PPE lines has been the innovation and evolution of safety products. Today, these key values continue to drive the research, development, and refinement of our safety product lines for today's workforce and generations to come. Our full line of FR products feature some of the most innovative flame resistant performance fabrics available today. We stock a variety of products that utilize high quality FR technologies from well recognized names in the industry such as Westex® and Dupont™, as well as our own proprietary technologies like FR Control 2.0™ and TECGEN Select™. We also have the largest selection of dual hazard (UL Certified to NFPA 2112-2012 and NFPA 70E-2015 Compliant) products on the market. Our product development team works hard to engineer garments that combine protection and functionality with a strong focus on fit and quality.

To view all of our product lines and to stay up-to-date on product developments and innovations, scan the QR code below with your mobile device to be taken to our website at www.thinkNSA.com.







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.

Scan the QR code below with your mobile device to be taken to the Vizable 360°™ Non-FR Hi-Vis section of our website to see the extensive selection of products we offer, stock and made-to-order.



NON-FR HI-VIS ROAD VESTS



4

DELUXE ROAD VEST

8149_ _

- Orange Micro Mesh
- 3M™ Scotchlite™ silver reflective trim
- Zip front closure
- Mic-clip on left shoulder
- Cell phone chest pocket, pencil pocket, & 2 lower pockets

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



4

DELUXE ROAD VEST

8150_ _

- Yellow Micro Mesh
- 3M™ Scotchlite™ silver reflective trim
- Zip front closure
- Mic-clip on left shoulder
- Cell phone chest pocket, pencil pocket, & 2 lower pockets

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



4

DELUXE ROAD VEST

8043_ _

- Solid Orange Polyester
- 3M™ Scotchlite™ yellow reflective trim
- Snap front closure
- Mic-clip on left shoulder
- Cell phone chest pocket, pencil pocket, & 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
- Mic-clip on left shoulder
- Cell phone chest pocket, pencil pocket, & 2 lower pockets

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

S M
SmallM D
MediumL G
LargeX L
X-Large2 X
2X-Large3 X
3X-Large4 X
4X-Large5 X
5X-Large

--- = SIZE 43

NON-FR HI-VIS ROAD VESTS



4

DELUXE ROAD VEST

8328_

- Yellow Micro Mesh
- 3M™ Scotchlite™ silver reflective trim on 4" orange contrast trim
- Zip front closure
- Mic-clip on left front shoulder
- Cell phone chest pocket, pencil pocket, & 2 lower inside pockets

ANSI/ISEA 107-2010	CLASS 2
SIZE	SM-5X
MADE-TO-ORDER	



6

MESH TABLET VEST

9847_

- Yellow Micro Mesh
- 3M™ Scotchlite™ silver reflective trim
- Snap front closure
- Black nylon reinforced edges
- 2 Brass grommets at neck
- Mic-clip on left shoulder
- Cell pocket, pencil pocket, 2 lower pockets, inside zippered tablet pocket, & large patch pocket.

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



For an X back configuration, **add "XB"** to the end of the product number you would like to order.



To add a D-Ring opening to a product you would like to order, **add "D"** to the end of the product number.



If you would like to include dual mic-clip bands to the product you are ordering, **add "MC"** to the end of the product code.

NEED SOMETHING MORE?

► We can add an X back configuration of reflective trim, a d-ring, or mic-clip bands to our standard offerings. Simply add the letter or letters for the feature you would like to add to the end of the standard part number and request a quote from our customer service team.

**All the features to the left are eligible for flame resistant and non-flame resistant hi-vis products except outerwear. If one of these features are wanted, the product is treated as a made-to-order product and requires a 3-4 week lead time. Minimums apply for custom features. Contact our customer service team at customerservice@thinkNSA.com or 1.800.553.0672 to learn more.*



7

CRUISER & CONSTRUCTION VEST

8015_ _

- Orange Micro Mesh
- 3M™ Scotchlite™ silver reflective trim
- Snap front closure
- 2 Brass grommets at neck
- Mic-clip on left front shoulder
- Cell phone chest pocket, pencil pocket, 2 front lower pockets with flaps, 2 inside lower pockets, & back survey pocket with snaps

ANSI/ISEA 107-2010	CLASS 2
SIZE	SM-3X
STOCK	✓



7

CRUISER & CONSTRUCTION VEST

8016_ _

- Yellow Micro Mesh
- 3M™ Scotchlite™ silver reflective trim
- Snap front closure
- 2 Brass grommets at neck
- Mic-clip on left front shoulder
- Cell phone chest pocket, pencil pocket, 2 front lower pockets with flaps, 2 inside lower pockets, & back survey pocket with snaps

ANSI/ISEA 107-2010	CLASS 2
SIZE	SM-3X
STOCK	✓



7

CRUISER & CONSTRUCTION VEST

9750_

- Solid Orange Polyester
- 3M™ Scotchlite™ silver reflective trim
- Snap front closure
- Cell phone chest pocket, pencil pocket, 2 front lower pockets with flaps, 2 inside lower pockets, & back survey pocket with zipper access

ANSI/ISEA 107-2010	CLASS 2
SIZE	SM-3X
MADE-TO-ORDER	



7

CRUISER & CONSTRUCTION VEST

9751_

- Solid Yellow Polyester
- 3M™ Scotchlite™ silver reflective trim
- Snap front closure
- Cell phone chest pocket, pencil pocket, 2 front lower pockets with flaps, 2 inside lower pockets, & back survey pocket with zipper access

ANSI/ISEA 107-2010	CLASS 2
SIZE	SM-3X
MADE-TO-ORDER	

SM
Small

MD
Medium

LG
Large

XL
X-Large

2X
2X-Large

3X
3X-Large

— = SIZE

47

NON-FR HI-VIS SURVEY VESTS



7

CRUISER & CONSTRUCTION VEST

9752_ _

- 6.5 oz. Orange Poly/Cotton Twill Blend
- 3M™ Scotchlite™ silver reflective trim
- Snap front closure
- Mic-clip on left front shoulder
- Cell phone chest pocket, pencil pocket, 2 front lower pockets with flaps, 2 inside lower pockets, & back survey pocket with zipper access

SIZE	SM-3X
MADE-TO-ORDER	



7

CONSTRUCTION SURVEY VEST

86525_ _

- Yellow Micro Mesh
- 3M™ Scotchlite™ silver reflective trim on 4" orange contrast trim
- Snap front closure
- Mic-clip on left front shoulder
- Cell phone chest pocket, pencil pocket, 2 front lower pockets with flaps, 2 inside lower pockets, & back survey pocket with snaps

ANSI/ISEA 107-2010	Class 2
SIZE	MD-3X
MADE-TO-ORDER	



9

CONSTRUCTION SURVEY VEST

9829

- Yellow Poly/Cotton Blend
- 3M™ Scotchlite™ silver reflective trim
- Zip front closure
- 2 Brass grommets at neck
- Mic-clip on left front shoulder
- 2 Double chest pencil/tool pockets, 2 bottom front pockets with flaps, inside lower pocket, inside tablet pocket, & back survey pocket with zippered access

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



11

CONSTRUCTION/FORESTRY VEST

9126D

- 8 oz. Orange Canvas with Polyurethane Coating
- 3M™ Scotchlite™ silver reflective trim
- Snap front closure
- Vented upper mesh back with d-ring opening
- Mic-clip on left front shoulder
- 2 Lower pockets, 2 stacked utility chest pockets, cargo pocket, inside right pocket, inside tablet pocket, inside right chest pocket, zippered back survey pocket, & cargo survey pocket

SIZE	MD-3X
MADE-TO-ORDER	



Scan the QR code to the left to view the product page for the Construction/Forestry Vest and see a product feature video for more information on all the features this vest has to offer.

S M
Small

M D
Medium

L G
Large

X L
X-Large

2 X
2X-Large

3 X
3X-Large

— = SIZE 49

ANSI 107-2015 REVISI~~ONS~~ SIMPLIFIED

DID YOU KNOW...

- In 2015, ANSI/ISEA released an update for all hi-vis products that contains major changes like different names and classes for garments, the joining of ANSI 107 and 207, and specific labeling for non-FR products. The notes on the following page are to help you prepare for the changes that you are going to start seeing in the coming months.

We are in the process of updating our labels to reflect the new standard revisions. To stay up to date on the standard and our products, scan the QR code below with your mobile device to be taken to our website, www.thinkNSA.com, where we publish the most current information whenever there is an update or change made. Also, be on the look out for educational pieces to help make this transitional phase easy to understand. If you have additional questions or would like more information, contact our customer service team today at customerservice@thinkNSA.com or by phone at 800.553.0672.



5 KEY THINGS TO NOTE

1. Current ANSI/ISEA 107-2010 and ANSI/ISEA 207-2011 garments are still acceptable and compliant.

There is no requirement to change any of your existing garments. This standard offers enhancements and clarification that will evolve High Visibility over the coming years.

2. New Garment HVSA Types added to Class Definitions

NEW HVSA Types

- Type O = Off Road - Non Roadway
- Type R = Roadway
- Type P = Public Safety (ANSI 207 merged)



NEW HVSA Class Definitions

- Type O - Class 10
- Type R - Class 2R and Class 3R
- Type P - Class 2P and Class 3P
- Type Supplemental - Class E

3. Smallest Size Garments Type R

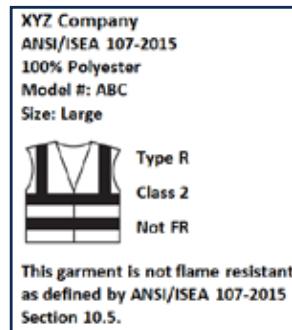
Small size workers wearing oversize garments can be a safety hazard. While we have always offered small sizes, we are pleased the standard now allows for less background material required for the "smallest" size for both ROADWAY type classes.

Smallest size garment may have LESS background material

- Class 2R = 540 instead of 775 square inches
- Class 3R = 1000 instead of 1240 square inches

4. Non FR labeling Now Required

"This garment is non flame resistant as defined by ANSI/ISEA 107-2015 Section 10.5"



Garments not tested to meet Flame Resistant performance criteria of standards listed in ANSI are required to have this Non FR statement on the label. ASTM D6413 and NFPA 701 are NOT accepted as they allow fabrics that melt and drip.

5. Balanced Design including Logo Allowances

Front & Back of garments now required to have no less than 40% of the minimum required background material and reflective.

Logos of non ANSI compliant materials will not cover more than 72 square inches of the background material, no more than 22 square inches of reflective material.

**Example of 72 square inches is a 2"x4" logo on the front chest and an 8"x8" logo on the back. See page 11 for an example.*

NON-FR HI-VIS RESPONDER VESTS



RESPONDER VEST

8383R-ROYAL

- Poly/Cotton front, Micro Mesh Yellow back
- 3M™ Scotchlite™ silver reflective trim
- Snap front closure & snap up waist
- Adjustable waist fits over outerwear
- Double mic-clips with pen/pencil holder
- 2 Radio pockets & 2 inside pockets

ANSI/ISEA 207-2011	✓
SIZE	Regular (R) Fits MD-2X
STOCK	✓



RESPONDER VEST

8383R-RED

- Poly/Cotton front, Micro Mesh Yellow back
- 3M™ Scotchlite™ silver reflective trim
- Snap front closure & snap up waist
- Adjustable waist fits over outerwear
- Double mic-clips with pen/pencil holder
- 2 Radio pockets & 2 inside pockets

ANSI/ISEA 207-2011	✓
SIZE	Regular (R) Fits MD-2X
STOCK	✓



2

RESPONDER VEST

9114R-R

- Poly/Cotton shoulders, Polyester lower
- 3M™ Scotchlite™ silver reflective trim
- Adjustable waist fits over outerwear
- 5 Point breakaway design
- Double mic-clips with pen/pencil holder
- Radio pocket & large patch pocket

ANSI/ISEA 207-2011	✓
SIZE	Regular (R) Fits MD-2X
MADE-TO-ORDER	

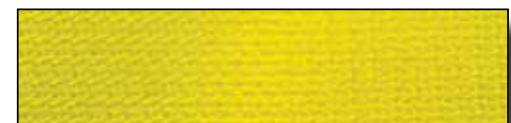
HOW TO DECIDE BETWEEN YELLOW & ORANGE

In terms of safety, the proper choice is to examine the background that the work will be performed in. Which color will create the most contrast? If the environment contains a lot of greenery trees, shrubs etc., orange may be the better choice. If there are a lot of orange cones and delineators on a road work site, yellow may be a better choice. Consider lighting, moving equipment and other changing backgrounds.

- **Micro Mesh** - This mesh fabric is breathable, durable, and is available in both yellow and orange. A sample of the vest we make out of the micro mesh is 8016_ _ and can be found on page 46.
- **Solid Polyester** - Vests that we make out of solid polyester are available in both yellow and orange colors. Take a look at 8083_ _ found on page 43 to view a sample.
- **Poly Cotton Twill** - Our Construction Survey Vest (9829_ _) found on page 49 is a sample of a vest we make out of this heavy duty ANSI compliant fabric.
- **Orange Canvas** - The orange canvas that we make products out of such as 9126D, found on page 49, is NON-ANSI, abrasion resistant, and water repellent to help keep you dry while on the job.



Micro Mesh



Solid Polyester



Poly Cotton Twill



Orange Canvas



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 in²), it also recommends features like breakaway, shorter waist for weapons belt users, and colors and Titles for Incident Command. The New ANSI/ISEA 207-2015 Standard Consolidates Public Safety and General Industry under 1 guideline. It also adds specifications for Class 3 Public Safety Devices. Look for updates to ANSI labeling to occur in 2016.

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 employees are performing tasks

Class 3 for Visibility on or adjacent to the roadway where workers are exposed to 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.

ANSI has published a 2015 version of this standard, you will begin to see labeling and design enhancements from that standard begin to emerge in 2016. All ANSI/ISEA 107-2010 garments are still acceptable and compliant.

ANSI / ISEA 107-2015

The updated standard brings both ANSI 107 and ANSI 207 together under 1 comprehensive standard. The new standard has some of the same requirements along with enhancements. One of the main enhancements is the addition of HVSA TYPES

NEW HVSA Types

- Type O = Off Road - Non Roadway
- Type R = Roadway
- Type P = Public Safety (ANSI 207 merged)

**More information on pages 50-51*

CLASS E

For greater conspicuity with the work environment and in higher hazard situations you may combine Class E legwear, pants, bibs, or gaiters with Class 2 or Class 3 garments for a Class 3 "Ensemble". Specifications for Class E legwear can be found on page 5.

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.

HVSA

A new term from the ANSI/ISEA 107-2015 standard. HVSA refers to High Visibility Safety Apparel.

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.

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.

8015_ _	46	99223_ _	6	C54HYLSHC3_ _	17	R30RL05_ _	28
8016_ _	46	99340R-RED	11	C55TZIWSC3_ _RG	36	R30RL06_ _	27
8043_ _	43	99345_ _	7	HYDROBIB-OB-_ _	31	R30RQ06_ _	26
8083_ _	43	99363_ _	4	HYDROBIB-YB-_ _	31	R31RL06_ _	28
8149_ _	42	99374_ _	7	HYDROBOM-YB-_ _	30	R40RL14_ _	27
8150_ _	42	99375_ _	10	HYDROJACK-OB-_ _	32	R40RQ14_ _	26
8328_ _	44	99509_ _	5	HYDROJACK-YB-_ _	32	SHRTD3C3_ _RG	18
8383_-RED	52	99604_ _	6	HYDROPANT-B-_ _	33	SHRTV3C3_ _RG	18
8383_-ROYAL	52	99703_ _	2	HYDROPANT-YB-_ _	33	SHRTV3C3YN_ _RG	19
86525_ _	48	BSTJTRC2_ _	15	KITHYDRO-OB-_ _	34	VOOHA2V_ _	2
9126D_ _	49	C21HC03C3_ _	20	KITHYDRO-YB-_ _	34	VOOHA2Z_ _	3
9750_ _	47	C21HC05C3_ _	20	KITRLC3_ _	29	VOOHA3V_ _	4
9751_ _	47	C21HC08C3_ _	21	KITRQC3_ _	29	VOOHAH2V_ _	3
9752_ _	48	C21HCWE08C3_ _	21	LO5TVCE	12	VO0TD2Z_ _	9
9829_ _	49	C34TZMQHC3_ _RG	37	OWVRLFLC2_ _	35	V20TV2V_ _	8
9847_ _	44	C54HYBSLSHC3_ _	17	OWVRQFLC2_ _	35	V21TV2Z_ _	8
9114R-R	53	C54HYC3_ _	16	OWVTZMQC2_ _	36	V27TD2V_ _	9
99222_ _	10	C54HYLSC3_ _	16	PNTTECE_ _X_ _	19		



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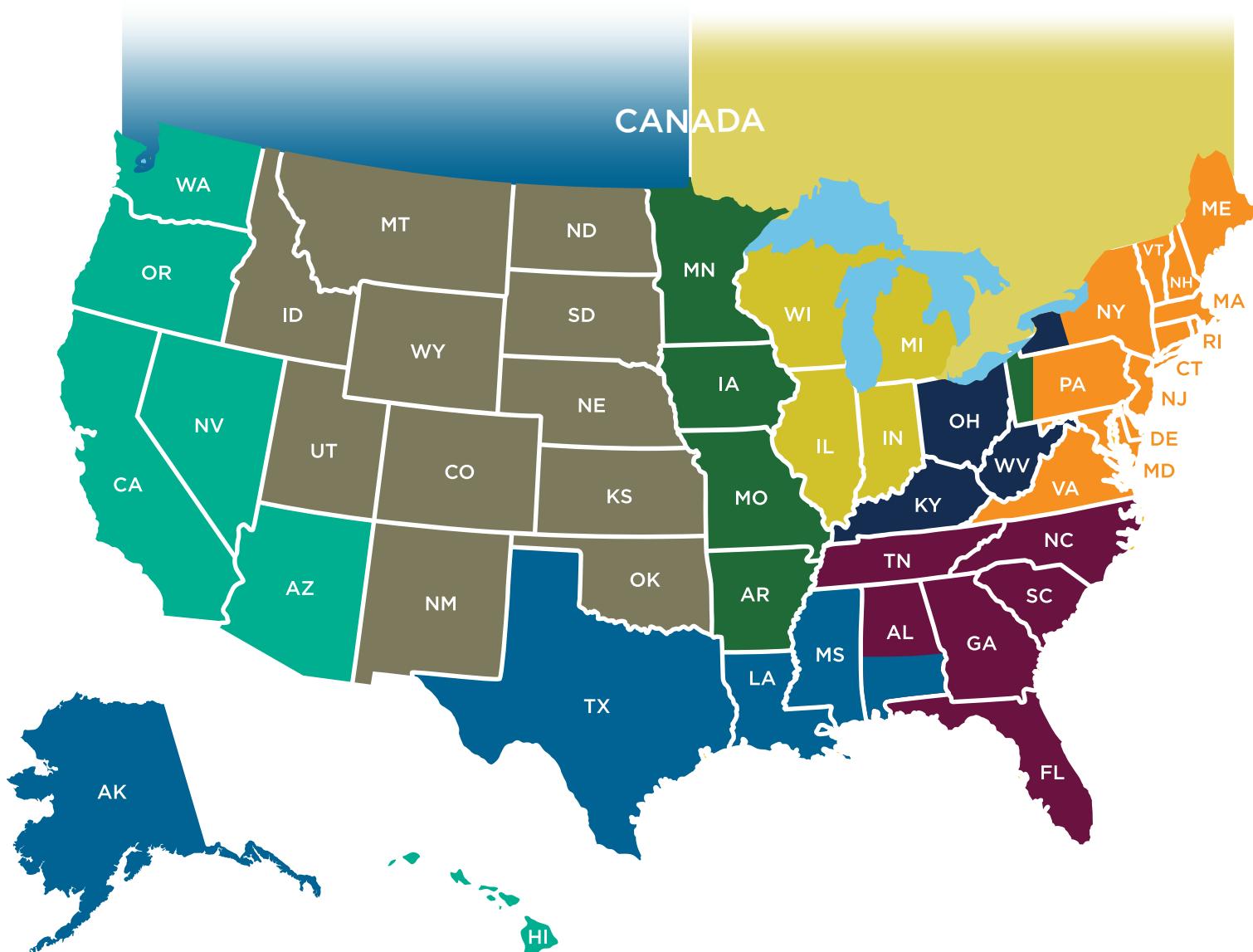
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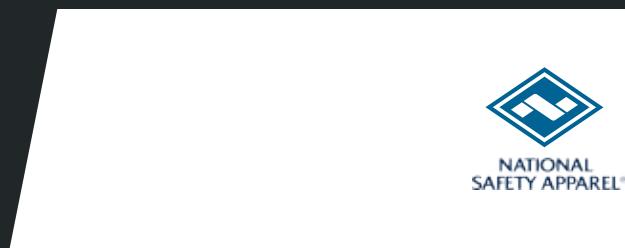
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