



NATIONAL
SAFETY APPAREL®

Innovating for you

Full Line Catalog



- Arc Flash Protection
- FR Rainwear and Hi-Vis
- Heat & Thermal Protection
- Cut & Glass Protection
- Cryogenic Safety





Safety is all that we do. For over seventy-eight years, National Safety Apparel has served workers in the electrical, oil, gas, thermal, cut-protective, FR rainwear and hi-visibility markets.

We offer superior quality products, state of the art innovation and are recognized as best-in-class for our responsiveness.

Our commitment to excellence was recently highlighted as National Safety Apparel received the "Mission Builder Award" and the "Best Places to Work" award for Northeast Ohio.

We believe that providing innovative quality safety apparel is of the utmost importance. A testament to this is our acquisition of Vinatronics, a leader in the manufacturing of high visibility apparel and Spentex, a leader in the manufacturing of flame resistant and thermal protection apparel. National Safety Apparel is proud to include these safety apparel lines as options to facilitate safety requirements.

National Safety Apparel is certified to ISO 9001 with design to assure that we make consistently high quality products time and time again.

National Safety Apparel is working hard to be better stewards of our planet. Our sales team is moving to become paperless through the use of tablet computers for communications. And, because we manufacture in the USA, we have one of the smallest carbon footprints of any safety apparel manufacturer.

I invite you to turn the pages and see for yourself why National Safety Apparel has been recognized as a leader in the safety apparel industry.

Thank you for your business. We are honored to be your partner in safety.

Sincerely,

Duane Siders
VP of Sales and Marketing

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Certified to ISO 9001:2008 with Design

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How to Use Our Catalog

Garment Sizes Within Product Codes


The garment size is contained within NSA's product codes. This way, instead of having to search for individual part numbers, items can be ordered in different sizes by changing two letters and/or numbers.

In our catalog, you will find four different colors of spaces for the size. Please check the note at the bottom of the page for available sizes, and fill in the product code accordingly. If you have any questions, please contact our customer service team for assistance.

Color	Measurement	Size Examples	Used For:
Red (_ _)	Garment size	SM, MD, LG, XL, 2X, 3X	Shirts, Coats, Coveralls
Orange (_ _)	Waist measurement	Inches (30, 32, 34, 36...)	Pants, Jeans
Blue (_ _)	Inseam measurement	Inches (30, 32, 34, 36...)	Pants, Jeans, Coveralls, Overalls, Chaps
Green (_ _)	Glove size	08, 09, 10, 11, 12	Electrical Insulating Gloves

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Stock vs. Made-To-Order Items

We stock a large number of our products for fast delivery of one week or less. All stock products will have a delivery box icon  next to their respective product codes.

For most stock products, we keep sizes **MD, LG, XL,** and **2X** available. Contact customer service for specific size availability of a particular product.

For made-to-order items, typical delivery time is three to four weeks.

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Customization

NSA is proud to be the leader in custom FR apparel. The products listed in our catalog are just a sampling of our most popular products. Because we manufacture all of our garments right here in the USA, we are able to customize just about every garment to fit a specific need.

If you would like to personalize your garment, we can embroider your logo in-house using FR thread.

For more information on our custom garments contact one of our regional sales managers or customer service representatives and they can work with you to develop the necessary products.

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Online Catalog Version

NSA is pleased to announce that this catalog is available in an online/downloadable format. For extended content and product links, visit www.thinkNSA.com.

Arc Flash & Flash Fire Protection





Guide to Arc Flash - NFPA 70E

The National Fire Protection Association (NFPA) is an international non-profit/US trade association that was created to reduce the worldwide burden of fire and other hazards on the quality of life by providing consensus codes and standards.

The NFPA 70E standard began in 1976, and was printed for the first time in 1979. It provides a practical safe workplace relative to the hazards associated with electrical energy. The latest update came in 2012, which is the current version of the standard.

To comply with NFPA 70E, an organization is required to determine the appropriate Personal Protective Equipment (PPE) required for a task where an arc flash hazard is present by one of two methods.

One method is for the organization to perform an arc flash hazard analysis and calculate the potential incident energy. This method is labor intensive and can often be costly.

Another method provided by NFPA 70E is to use table 130.7(C)(15)(a) for alternating current or table 130.7(C)(15)(b) for direct current to determine the required hazard risk category (HRC) for a specific task on energized equipment. These arc flash categories and their minimum requirements are shown in the table below.

Hazard Risk Category	Clothing Options	Required Minimum
HRC 1	Balaclava, FR Shirt & FR Pant or FR Coveralls	4 cal/cm ²
HRC 2	Balaclava, FR Shirt & FR Pant or FR Coveralls	8 cal/cm ²
HRC 3	FR Shirt & FR Pant or FR Coveralls and Arc Flash Suit	25 cal/cm ²
HRC 4	FR Shirt & FR Pant or FR Coveralls and Arc Flash Suit	40 cal/cm ²

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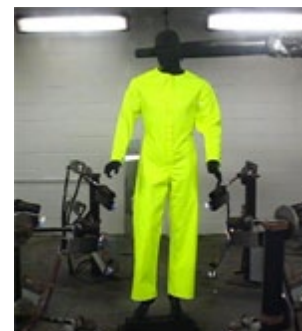
Guide to Flash Fire - NFPA 2112

NFPA 2112 is described as the “standard on flame-resistant garments for protection of industrial personnel against flash fire.”

It specifies the minimum performance requirements and test methods for flame resistant fabrics and components, as well as the design and certification requirements for garments used in areas at risk of flash fires.

A key component of the NFPA 2112 standard is the **third party garment certification**. All flame resistant garments that are labeled as being compliant with this standard shall meet or exceed all applicable requirements specified in this standard and shall be certified.

The fabric must exhibit less than 50% total predicted body burn in a 3-second vertical flame test (pictured, right).










A simulated flash fire on an FR garment.



ArcGuard® Task-Based Garments

When a job or task requires additional protection, National Safety Apparel offers several options to meet your needs. You will find a wide variety of protection levels, fabrics, and colors of arc flash suits designed for electrical work. If you have a specific need, we customize!

ArcGuard® UltraSoft® HRC 2 (8 and 12 cal/cm²)

Product Code	Description
 C88UJ _ _ _	7 oz. Navy UltraSoft® Coverall with Zipper Closure (8 cal/cm²)
 C88UP _ _ _	9 oz. Navy UltraSoft® Coverall with Zipper Closure (12 cal/cm²)
 C04UP _ _ 3203	9 oz. Navy UltraSoft® Short Coat (12 cal/cm²)
 C45UP _ _ 32	9 oz. Navy UltraSoft® Bib Overall (12 cal/cm²)
 C04UP _ _ 4903	9 oz. Navy UltraSoft® Long Coat (12 cal/cm²)
 L05UP _ _	9 oz. Navy UltraSoft® Knee-Length Leggings (Only Large, XL and 2X are in-stock) (12 cal/cm²)
C19UP _ _ 3209	9 oz. Navy UltraSoft® Hooded Parka with FR Hook & Loop Closures (12 cal/cm²)
 H65UPHH	9 oz. Navy UltraSoft® Hood with Faceshield, Universal Adapter (12 cal/cm²)
TSPUP _ _	9 oz. Navy UltraSoft® Overpant with FR Hook & Loop Closures (12 cal/cm²)



Denotes item in-stock for fast delivery

 **UltraSoft®**



C88UJ _ _



C04UP _ _ 3203



C45UP _ _ 32



C19UP _ _ 3209



TSPUP _ _



C04UP _ _ 4903



L05UP _ _



Meets Standards:
ASTM F1506-10a
OSHA 1910.269
NFPA 70E-2012

ArcGuard® UltraSoft® HRC 2 (20 cal/cm²)

Product Code	Description
C04UW _ _ 3203	13 oz. Navy UltraSoft® Short Coat (20 cal/cm²)
C45UW _ _ 32	13 oz. Navy UltraSoft® Bib Overall (20 cal/cm²)
C88UW _ _ _	13 oz. Navy UltraSoft® Coverall, Zipper Closure (20 cal/cm²)


 **UltraSoft®**

Dashes (_) are reserved for garment size: SM, MD, LG, XL, 2X, 3X
Dashes (_) are reserved for inseam (e.g. 30, 32)



Arc Flash & Flash Fire Protection

ArcGuard® Protera® HRC 2 (8.5 and 12 cal/cm²)

Product Code	Description
 C88LI _ _ _	6.5 oz. Khaki Protera® Coverall with Zipper Closure (8.5 cal/cm²)
C88LB _ _ _	6.5 oz. Navy Protera® Coverall with Zipper Closure (8.5 cal/cm²)
C88LE _ _ _	6.5 oz. Medium Blue Protera® Coverall with Zipper Closure (8.5 cal/cm²)
C04LE _ 3203	6.5 oz. Medium Blue Protera® Short Coat (8.5 cal/cm²)
C45LE _ 32	6.5 oz. Medium Blue Protera® Bib Overall (8.5 cal/cm²)
C88LY _ _ _	8 oz. Navy Protera® Coverall with Zipper Closure (12 cal/cm²)
C04LY _ 3203	8 oz. Navy Protera® Short Coat (12 cal/cm²)
C45LY _ 32	8 oz. Navy Protera® Bib Overall (12 cal/cm²)
C19LY _ 3209	8 oz. Navy Protera® Hooded Parka with FR Hook & Loop Closures (12 cal/cm²)
TSPLY _ _	8 oz. Navy Protera® Overpant (12 cal/cm²)
H65LYHH	8 oz. Navy Protera® Hood with Faceshield, Universal Adapter (12 cal/cm²)



Denotes item in-stock for fast delivery

DuPont™
Protera®



C88LI _ _ _



C45LE _ 32



C04LY _ 3203



Meets Standards:
ASTM F1506-10a
OSHA 1910.269
NFPA 70E-2012

Dashes (_) are reserved for garment size: SM, MD, LG, XL, 2X, 3X

Dashes (_) are reserved for inseam (e.g. 30, 32)





HRC 2 Faceshield Units and Kits





- HRC 2 faceshields available in **10, 12, or 20 cal/cm²** ratings
- Multiple adapter types (universal and slotted adapters, standard and full brim fitting)

Hard Hat Type: Type 1 Class E

Faceshield: Anti-fog, high visual light transmission

Note: Arc rating is assigned to shield/adapter and chin guard only. Chin guard must be attached to achieve the given arc rating.





High VLT Anti-Fog Faceshield (10 cal/cm²)

Product Code	Description
 H16HAT10CALCAFS	Slotted Hard Hat & Chin Guard
 H16XX10CALCAFS	Slotted Adapter without Hard Hat
 H16XX10CALCAF	Universal Adapter without Hard Hat
 H16XX10CALCAFUB	Full Brim Adapter without Hard Hat



H16HAT10CALCAFS





Anti-Fog Faceshield (12 cal/cm²)

Product Code	Description
 H50HAT12CALCAFS	Slotted Hard Hat & Chin Guard
 H50XX12CALCAFS	Slotted Adapter without Hard Hat
 H50XX12CALCAF	Universal Adapter without Hard Hat
 H50XX12CALCAFUB	Full Brim Adapter without Hard Hat







H50XX12CALCAF
Universal Adapter

Anti-Fog Faceshield (20 cal/cm²)

Product Code	Description
 H20HAT20CALCAFS	Slotted Hard Hat & Chin Guard
 H20XX20CALCAFS	Slotted Adapter without Hard Hat
 H20XX20CALCAF	Universal Adapter without Hard Hat
 H20XX20CALCAFUB	Full Brim Adapter without Hard Hat

Head Protection (HRC 2) Kits

Product Code	Description
 KITHP	Head Protection Kit with 10 cal/cm² Faceshield Unit, Hard Hat, Storage Bag, Balaclava, & Safety Glasses
 KITHP12	Head Protection Kit with 12 cal/cm² Faceshield Unit, Hard Hat, Storage Bag, Balaclava, & Safety Glasses
 KITHP20	Head Protection Kit with 20 cal/cm² Faceshield Unit, Hard Hat, Storage Bag, Balaclava, & Safety Glasses

 Denotes item in-stock for fast delivery



KITHP



HRC 2 ArcGuard® Kits





National Safety Apparel sets the standard for all-in-one arc flash kits. Our kits are designed specifically for electrical workers, and include all the essential components for your task in a convenient gear bag.


Kit Components

- Three garment choices: coverall, short coat and bib overall, or long coat and leggings
- Arc flash shield with slotted hard hat
- Safety glasses
- Class 0 gloves and leather protectors (colors vary)
- Faceshield bag and glove bag
- Electrical gear bag
- Balaclava (optional)



ArcGuard® UltraSoft® Kits (8 cal/cm²)

Product Code	Description
 KIT2CV08__NG	Navy UltraSoft® Coverall Kit, No Gloves (8 cal/cm ²)
 KIT2CV08__	Navy UltraSoft® Coverall Kit (8 cal/cm ²)
 KIT2CV08__NGB	Navy UltraSoft® Coverall Kit with Balaclava Knit Hood, No Gloves (8 cal/cm ²)
 KIT2CV08__B	Navy UltraSoft® Coverall Kit with Balaclava (8 cal/cm ²)

 Denotes item in-stock for fast delivery

KIT2CV08__B













Meets Standards:


ASTM F1506-10a
OSHA 1910.269
NFPA 70E-2012



KIT2SC11__B

ArcGuard® UltraSoft® Kits (12 cal/cm²)

Product Code	Description
 KIT2CV11__NG	Navy UltraSoft® Coverall Kit, No Gloves (12 cal/cm ²)
 KIT2CV11__	Navy UltraSoft® Coverall Kit (12 cal/cm ²)
 KIT2CV11__NGB	Navy UltraSoft® Coverall Kit with Balaclava Knit Hood, No Gloves (12 cal/cm ²)
 KIT2CV11__B	Navy UltraSoft® Coverall Kit with Balaclava Knit Hood (12 cal/cm ²)
 KIT2SC11__	Navy UltraSoft® Short Coat & Bib Overall Kit (12 cal/cm ²)
 KIT2SC11__B	Navy UltraSoft® Short Coat & Bib Overall Kit with Balaclava (12 cal/cm ²)
 KIT2LC11__	Navy UltraSoft® Long Coat & Leggings Kit (12 cal/cm ²)
 KIT2LC11__B	Navy UltraSoft® Long Coat & Leggings Kit with Balaclava (12 cal/cm ²)

 Denotes item in-stock for fast delivery





KIT2LC11__B

Please note - glove color you receive may vary from gloves pictured in catalog.

Dashes (__) are reserved for garment size: SM, MD, LG, XL, 2X, 3X

Dashes (__) are reserved for glove size: 08, 09, 10, 11, 12





ArcGuard® UltraSoft® Kits (20 cal/cm²)

Product Code	Description
KIT2CV20 _ _ _	Navy UltraSoft® Coverall Kit (20 cal/cm²)
KIT2CV20 _ _ NG	Navy UltraSoft® Coverall Kit, No Gloves (20 cal/cm²)
KIT2SC20 _ _ _	Navy UltraSoft® Short Coat & Bib Overall Kit (20 cal/cm²)
KIT2SC20 _ _ NG	Navy UltraSoft® Short Coat & Bib Overall Kit, No Gloves (20 cal/cm²)

UltraSoft®








KIT2CV20 _ _ _



Meets Standards:
ASTM F1506-10a
OSHA 1910.269
NFPA 70E-2012

ArcGuard® Protera® Kits (8.5 cal/cm²)

Product Code	Description
 KIT2CVPR08 _ _ NG	Khaki Protera® Coverall Kit, No Gloves (8.5 cal/cm²)
 KIT2CVPR08 _ _ _	Khaki Protera® Coverall Kit (8.5 cal/cm²)
 KIT2CVPR08 _ _ NGB	Khaki Protera® Coverall Kit with Balaclava Knit Hood, No Gloves (8.5 cal/cm²)
 KIT2CVPR08 _ _ _ B	Khaki Protera® Coverall Kit with Balaclava Knit Hood (8.5 cal/cm²)

 Denotes item in-stock for fast delivery

DuPont™
Protera®



KIT2CVPR08 _ _ _

Please note - glove color you receive may vary from gloves pictured in catalog.

Dashes (_) are reserved for garment size: SM, MD, LG, XL, 2X, 3X

Dashes (_) are reserved for glove size: 08, 09, 10, 11, 12



Hand Protection Reference Guide

Testing, Dates, Usage

- Rubber insulating gloves are electrically tested, and marked with the initial test date.
- Rubber insulating gloves must be put into use within 12 months of the test date.
- Rubber insulating gloves must be tested every 6 months after being put into service.
- Leather protectors are not required to be marked with a date.

Cleaning, Storage, Inspection

- Rubber insulating gloves should be cleaned in warm water with mild soap. A small amount of chlorine bleach can be used to disinfect.
- Air dry or tumble dry on low heat.
- Store rubber gloves in a glove bag, unfolded, with leather protectors taken off.
- Glove bag should be hung in a cool, dry place away from sunlight and ozone.
- Rubber glove inspections should occur before each use.
- Inspection methods are outlined in ASTM F1236.

For more details on the in-service care of rubber insulating gloves, refer to ASTM F496.

Leather Protectors

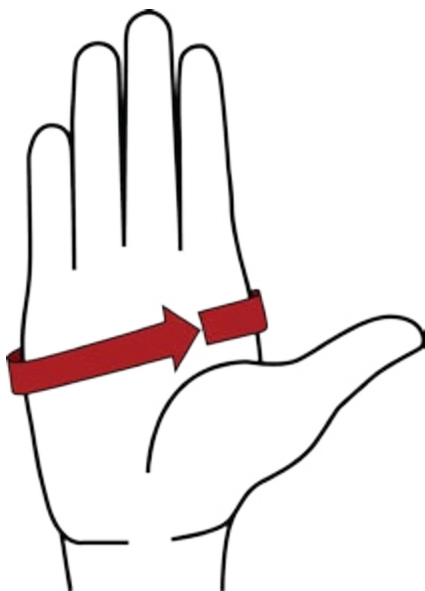
Leather protectors should be used any time rubber insulating gloves are in use. Make sure to match the size of glove with the size of leather protector.

Table 4 of ASTM F496 specifies the required gap between the top of the cuff of the leather protector to the rolled top of the rubber glove cuff.

- Class 0 and 00: no less than 1/2" gap
- Class 2: no less than 2" gap

Measuring Your Glove Size




To find out what size gloves you should wear, measure your hand around the palm, just above the thumb. This measurement, in inches, will give you your glove size.



Size Codes

8" Hand Measurement	= 08
9" Hand Measurement	= 09
10" Hand Measurement	= 10
11" Hand Measurement	= 11
12" Hand Measurement	= 12

Rubber Insulating Gloves

Product Code	Description
 DWH1100__	Class 00 Rubber Insulating Gloves, 11" Long
 DWH110__	Class 0 Rubber Insulating Gloves, 11" Long
 DWH142__	Class 2 Rubber Insulating Gloves, 14" Long



DWH1100__






DWH110__



DWH142__

Leather Protectors

Product Code	Description
 DWH10L__	Leather Protector, 10" Long
 DWH10CS__	Leather Protector with Pull Strap, 10" Long
 DWH12L__	Leather Protector with Pull Strap, 12" Long







DWH10L__



DWH12L__

Glove Kits

Product Code	Description
 KITGC00__	Glove Kit with Class 00 Rubber Insulating Gloves, Leather Protectors and Glove Storage Bag
 KITGC0__	Glove Kit with Class 0 Rubber Insulating Gloves, Leather Protectors and Glove Storage Bag
 KITGC2__	Glove Kit with Class 2 Rubber Insulating Gloves, Leather Protectors and Glove Storage Bag

 Denotes item in-stock for fast delivery



KITGC00__



KITGC0__




KITGC2__


Please note - glove color you receive may vary from gloves pictured in catalog.

Dashes (__) are reserved for glove size: 08, 09, 10, 11, 12



ArcGuard® UltraSoft® HRC 3 (25 cal/cm²)

Product Code	Description
C04UTUK__3225	Khaki Multi-Layer UltraSoft® Short Coat with FR Hook & Loop Closure (25 cal/cm ²)
C45UTUK__3225	Khaki Multi-Layer UltraSoft® Bib Overall, 32" Inseam (25 cal/cm ²)
C04UTUK__4925	Khaki Multi-Layer UltraSoft® Long Coat with FR Hook & Loop Closure (25 cal/cm ²)
L05UTUK__25	Khaki Multi-Layer UltraSoft® Leggings (25 cal/cm ²)
H65UTUKHH25	Khaki Multi-Layer UltraSoft® Hood with Faceshield, Universal Adapter (25 cal/cm ²)
H65UTUKHAT25	Khaki Multi-Layer UltraSoft® Hood with Faceshield, Slotted Adapter, and Hard Hat (25 cal/cm ²)
H65UTUKFAN25	Khaki Multi-Layer UltraSoft® Hood with Faceshield, Hard Hat, and CrossVent™ Fans (25 cal/cm ²)
 H04CAL25AF	Anti-Fog Replacement Faceshield for HRC 2 Hoods (25 cal/cm ²)

 Denotes item in-stock for fast delivery



Meets Standards:

ASTM F1506-10a
OSHA 1910.269
NFPA 70E-2012



C45UTUK__3225







C04UTUK__4925




Pictured with
CrossVent™ Fans



ArcGuard® Economy HRC 4 (40 cal/cm²)










Product Code	Description
 C07HKHK__32EC	ArcGuard® Economy Multi-Layer Khaki 88/12 Short Coat with FR Hook & Loop Closure (40 cal/cm ²)
 C45HKHK__32EC	ArcGuard® Economy Multi-Layer Khaki 88/12 Bib Overall (40 cal/cm ²)
 H65HKHKHHEC	ArcGuard® Economy Multi-Layer Khaki 88/12 Hood with Faceshield and Universal Adapter (40 cal/cm ²)
 H65HKHKHATEC	ArcGuard® Economy Multi-Layer Khaki 88/12 Hood with Faceshield and Slotted Adapter and Hard Hat (40 cal/cm ²)


 Denotes item in-stock for fast delivery

Dashes (__) are reserved for garment size: SM, MD, LG, XL, 2X, 3X



ArcGuard® Compliance™ with UltraSoft® HRC 4 (40 cal/cm²)

Product Code	Description
 C04UQUQ__3240	Navy Multi-Layer ArcGuard® Compliance™ UltraSoft® Short Coat with FR Hook & Loop Closure (40 cal/cm²)
 C04UQUQ__3240Z	Navy Multi-Layer ArcGuard® Compliance™ UltraSoft® Short Coat with FR Zipper Closure (40 cal/cm²)
 C45UQUQ__3240	Navy Multi-Layer ArcGuard® Compliance™ UltraSoft® Bib Overall, 32" Inseam (40 cal/cm²)
 C04UQUQ__4940	Navy Multi-Layer ArcGuard® Compliance™ UltraSoft® Long Coat with FR Hook & Loop Closure (40 cal/cm²)
 L05UQUQ__40	Navy Multi-Layer ArcGuard® Compliance™ UltraSoft® Leggings (LG, XL, and 2X in-stock) (40 cal/cm²)
 H65UQUQHH40	Navy Multi-Layer ArcGuard® Compliance™ UltraSoft® Hood with Faceshield, Universal Adapter (40 cal/cm²)
 H65UQUQ40HAT	Navy Multi-Layer ArcGuard® Compliance™ UltraSoft® Hood with Faceshield, Slotted Adapter and Hard Hat (40 cal/cm²)
 H65UQUQFAN40	Navy Multi-Layer ArcGuard® Compliance™ UltraSoft® Hood with Faceshield, Hard Hat, and CrossVent™ Fans (40 cal/cm²)
 H04CAL40AF	Anti-Fog Replacement Faceshield for HRC 4 Hoods (40 cal/cm²)

 Denotes item in-stock for fast delivery

ArcGuard
COMPLIANCE™
with  **UltraSoft®**



Pictured with
CrossVent™ Fans



H65UQUQHH40



C04UQUQ__3240



C45UQUQ__3240









Meets Standards:
ASTM F1506-10a
OSHA 1910.269
NFPA 70E-2012

Dashes (_) are reserved for garment size: SM, MD, LG, XL, 2X, 3X



ArcGuard® Protera® Inherent Blend HRC 4 (40 cal/cm²)

Product Code	Description
 C04LIQT__3240	Khaki Multi-Layer Protera® Inherent Blend Short Coat with FR Hook & Loop Closure (40 cal/cm²)
C04LIQT__3240Z	Khaki Multi-Layer Protera® Inherent Blend Short Coat with FR Zipper Closure (40 cal/cm²)
 C45LIQT__3240	Khaki Multi-Layer Protera® Inherent Blend Bib Overall, 32" Inseam (40 cal/cm²)
 H65LIQTHH40	Khaki Multi-Layer Protera® Inherent Blend Hood and Faceshield with Universal Adapter (40 cal/cm²)
 H65LIQT40HAT	Khaki Multi-Layer Protera® Inherent Blend Hood with Faceshield, Slotted Adapter and Hard Hat (40 cal/cm²)
 H65LIQTFAN40	Khaki Multi-Layer Protera® Inherent Blend Hood with Faceshield, Hard Hat, and CrossVent™ Fans (40 cal/cm²)
H04CAL40AF	Anti-Fog Replacement Faceshield for HRC 4 Hoods (40 cal/cm²)

 Denotes item in-stock for fast delivery

DuPont™
Protera™



C04LIQT__3240



H65LIQTFAN40



C45LIQT__3240



Meets Standards:

ASTM F1506-10a
OSHA 1910.269
NFPA 70E-2012

Dashes (__) are reserved for garment size: SM, MD, LG, XL, 2X, 3X










ArcGuard® RevoLite™ HRC 4 (40 cal/cm²)

The ArcGuard® RevoLite™ is our premium 40 cal arc flash suit. The revolutionary Carbon/Para-Aramid material is ultra-lightweight - 50 percent lighter than standard 40 cal/cm² suits.

Pictured with
CrossVent™ Fans



Product Code	Description
C04NPQH__32LT	Olive Green Carbon/Para-Aramid Short Coat with FR Hook & Loop Closure, Quilted Liner (40 cal/cm²)
 C04NPQH__32LTD	Olive Green Carbon/Para-Aramid Short Coat with FR Hook & Loop Closure, Quilted Liner, with Drawstring Waist (40 cal/cm²)
 C45NPQH__32LT	Olive Green Carbon/Para-Aramid Bib Overall with Quilted Liner, 32" Inseam (40 cal/cm²)
H65NPQHHLT	Olive Green Carbon/Para-Aramid Hood with Quilted Liner, Faceshield, Universal Adapter (40 cal/cm²)
 H65NPQHHTLT	Olive Green Carbon/Para-Aramid Hood with Quilted Liner, Faceshield, Slotted Adapter, and Hard Hat (40 cal/cm²)
 H65NPQHFNLT	Olive Green Carbon/Para-Aramid Hood with Quilted Liner, Faceshield, Hard Hat, and CrossVent™ Fans (40 cal/cm²)
H04CAL40AF	Anti-Fog Replacement Faceshield for HRC 4 Hoods (40 cal/cm²)
 Denotes item in-stock for fast delivery	

ArcGuard®
REVOLite



C04NPQH__32LTD



H65NPQHHTLT



C45NPQH__32LT











Meets Standards:


ASTM F1506-10a
OSHA 1910.269
NFPA 70E-2012

Dashes (__) are reserved for garment size: SM, MD, LG, XL, 2X, 3X



ArcGuard® Kevlar®/Nomex®/Para-Aramid HRC 4 (65 cal/cm²)

Product Code	Description
 C04KDQT__3203	Caramel Brown Multi-Layer Kevlar®/Nomex®/Para-Aramid Short Coat with FR Hook & Loop Closure (65 cal/cm²)
 C45KDQT__32	Caramel Brown Multi-Layer Kevlar®/Nomex®/Para-Aramid Bib Overall, 32" Inseam (65 cal/cm²)
 C04KDQT__4903	Caramel Brown Multi-Layer Kevlar®/Nomex®/Para-Aramid Long Coat with FR Hook & Loop Closure (65 cal/cm²)
 L05KDQT__	Caramel Brown Multi-Layer Kevlar®/Nomex®/Para-Aramid Leggings (65 cal/cm²) (Only Large, XL and 2X are in-stock)
 G51KDQT14	Caramel Brown Multi-Layer Kevlar®/Nomex®/Para-Aramid Arc Flash Glove, 14" Long (65 cal/cm²)
 H65KDQTHH	Caramel Brown Multi-Layer Kevlar®/Nomex®/Para-Aramid Hood with Faceshield, Universal Adapter (65 cal/cm²)
 H65KDQT65HAT	Caramel Brown Multi-Layer Kevlar®/Nomex®/Para-Aramid Hood with Faceshield and Hard Hat (65 cal/cm²)
 H65KDQTFAN	Caramel Brown Multi-Layer Kevlar®/Nomex®/Para-Aramid Hood with Faceshield, Hard Hat, and CrossVent™ Fans (65 cal/cm²)
H04CAL65AF	Anti-Fog Replacement Faceshield for HRC 4 Hoods (50 Or 65 cal/cm²)

 Denotes item in-stock for fast delivery



Pictured with CrossVent™ Fans



L05KDQT__



G51KDQT14



C45KDQT__32



C04KDQT__3203



H65KDQT65HAT








Meets Standards:
ASTM F1506-10a
OSHA 1910.269
NFPA 70E-2012


Dashes (__) are reserved for garment size: SM, MD, LG, XL, 2X, 3X





ArcGuard® Kevlar®/Nomex®/Para-Aramid HRC 4 (100 cal/cm²)

Product Code	Description
 C04KDQE__3203	Caramel Brown Multi-Layer Kevlar®/Nomex®/Para-Aramid Short Coat with FR Hook & Loop Closure (100 cal/cm²)
 C45KDQE__32	Caramel Brown Multi-Layer Kevlar®/Nomex®/Para-Aramid Bib Overall, 32" Inseam (100 cal/cm²)
 G51KDQE18	Caramel Brown Multi-Layer Kevlar®/Nomex®/Para-Aramid Arc Flash Glove, 18" Long (100 cal/cm²)
 H65KDQE100HAT	Caramel Brown Multi-Layer Kevlar®/Nomex®/Para-Aramid Hood with Faceshield and Hard Hat (100 cal/cm²)
 H65KDQEFAN	Caramel Brown Multi-Layer Kevlar®/Nomex®/Para-Aramid Hood with Faceshield, Hard Hat, and CrossVent™ Fans (100 cal/cm²)
H04CAL100AF	Anti-Fog Replacement Faceshield for HRC 4 Hoods (100 cal/cm²)

 Denotes item in-stock for fast delivery

NOMEX

KEVLAR


Pictured with CrossVent™ Fans



Meets Standards:

ASTM F1506-10a
 OSHA 1910.269
 NFPA 70E-2012



C45KDQE__32



G51KDQE18



H65KDQEFAN



C04KDQE__3203





Dashes (_) are reserved for garment size: SM, MD, LG, XL, 2X, 3X



HRC 4 ArcGuard Kits

ArcGuard® Economy™ HRC 4 Kits (40 cal/cm²)

Product Code	Description
 KIT4SC40EC _ _ _ _	ArcGuard® Economy Khaki Multi-Layer 88/12 Short Coat & Bib Overall Kit (40 cal/cm²)
 KIT4SC40EC _ _ NG	ArcGuard® Economy Khaki Multi-Layer 88/12 Short Coat & Bib Overall Kit, No Gloves (40 cal/cm²)





Kit Components


- Short coat and bib overall, or long coat and leggings
- Arc flash hood with 40 cal/cm² faceshield
- Safety glasses
- Class 2 gloves and leather protectors (colors vary)
- Hood storage bag and glove bag
- Large electrical gear bag

KIT4SC40EC _ _ _ _



ArcGuard® Compliance™ with UltraSoft® HRC 4 Kits (40 cal/cm²)

Product Code	Description
 KIT4SC40 _ _ _ _	ArcGuard® Compliance™ Navy UltraSoft® Short Coat & Bib Overall Kit (40 cal/cm²)
 KIT4SC40 _ _ NG	ArcGuard® Compliance™ Navy UltraSoft® Short Coat & Bib Overall Kit, No Gloves (40 cal/cm²)
 KIT4LC40 _ _ _ _	ArcGuard® Compliance™ Navy UltraSoft® Long Coat & Leggings Kit (40 cal/cm²)
 KIT4LC40 _ _ NG	ArcGuard® Compliance™ Navy UltraSoft® Long Coat & Leggings Kit, No Gloves (40 cal/cm²)



 Denotes item in-stock for fast delivery


ArcGuard
COMPLIANCE™
with  UltraSoft®

KIT4SC40 _ _ _ _



ArcGuard® Protera® HRC 4 Kits (40 cal/cm²)

Product Code	Description
 KIT4SCPR40 _ _ _ _	ArcGuard® Khaki Protera® Short Coat & Bib Overall Kit (40 cal/cm²)
 KIT4SCPR40 _ _ NG	ArcGuard® Khaki Protera® Short Coat & Bib Overall Kit, No Gloves (40 cal/cm²)

 Denotes item in-stock for fast delivery

DuPont™
Protera™

KIT4SCPR40 _ _ _ _



Meets Standards:
ASTM F1506-10a
OSHA 1910.269
NFPA 70E-2012

Please note - glove color you receive may vary from gloves pictured in catalog.



Dashes (_) are reserved for garment size: SM, MD, LG, XL, 2X, 3X

Dashes (_) are reserved for glove size: 08, 09, 10, 11, 12





ArcGuard® RevoLite™ HRC 4 Kits (40 cal/cm²)

Product Code	Description
 KIT4SCLT40 _ _ _	ArcGuard® RevoLite™ Olive Green Short Coat & Bib Overall Kit (40 cal/cm²)
 KIT4SCLT40 _ _ NG	ArcGuard® RevoLite™ Olive Green Short Coat & Bib Overall Kit, No Gloves (40 cal/cm²)









Meets Standards:


ASTM F1506-10a
OSHA 1910.269
NFPA 70E-2012

KIT4SCLT40 _ _ _

Please note - glove color you receive may vary from gloves pictured in catalog.

ArcGuard® Kevlar®/Nomex®/Para-Aramid Kits (65 and 100 cal/cm²)

Product Code	Description
 KIT4SC65 _ _ NG	ArcGuard® Caramel Brown Kevlar®/Nomex®/Para-Aramid Kit with Short Coat and Bib Overall, No Gloves (65 cal/cm²)
 KIT4SC65 _ _ _	ArcGuard® Caramel Brown Kevlar®/Nomex®/Para-Aramid Kit with Short Coat and Bib Overall, Rubber Gloves (65 cal/cm²)
 KIT4SC65 _ _ _ AG	ArcGuard® Caramel Brown Kevlar®/Nomex®/Para-Aramid Kit with Short Coat, Bib Overall, Rubber Gloves, and Arc Gloves (65 cal/cm²)
 KIT4SC100 _ _ NG	ArcGuard® Caramel Brown Kevlar®/Nomex®/Para-Aramid Kit with Short Coat and Bib Overall, No Gloves (100 cal/cm²)
 KIT4SC100 _ _ _	ArcGuard® Caramel Brown Kevlar®/Nomex®/Para-Aramid Kit with Short Coat and Bib Overall, Rubber Gloves (100 cal/cm²)
 KIT4SC100 _ _ _ AG	ArcGuard® Caramel Brown Kevlar®/Nomex®/Para-Aramid Kit with Short Coat, Bib Overall, Rubber Gloves, and Arc Gloves (100 cal/cm²)

 Denotes item in-stock for fast delivery



KIT4SC65 _ _ _ AG

Please note - glove color you receive may vary from gloves pictured in catalog.

Dashes (_) are reserved for garment size: SM, MD, LG, XL, 2X, 3X

Dashes (_) are reserved for glove size: 08, 09, 10, 11, 12



ArcGuard® Suppression Blanket

Our arc suppression blanket was created to help combat arc flash incidents in enclosed spaces. The blanket is designed to shield workers from an arc blast that would otherwise endanger anyone in the confines of a small enclosure where electrical work is being done. The blanket has been tested to ASTM F2676 with a rating of 25kA and breakthrough threshold performance (BTP) of 362 kA*cycles.

Kit Components

- Arc suppression blanket
- 4' or 6' straps
- Strap carrying bag
- Kit storage bag

Blanket Kits

Product Code	Description
K25KIT4F5F	25 kA ArcGuard® Suppression Blanket Kit, 4' x 5' (1.22m by 1.52m)
K25KIT4F8F	25 kA ArcGuard® Suppression Blanket Kit, 4' x 8' (1.22m by 2.44m)



ARCBAG

Components

Product Code	Description
K25LB4F5F	25 kA ArcGuard® Suppression Blanket, 4' x 5' (1.22m by 1.52m)
K25LB4F8F	25 kA ArcGuard® Suppression Blanket, 4' x 8' (1.22m by 2.44m)
ARCSTRAP4F	4' High-Strength Kevlar® Webbing Strap for ArcGuard® Blanket
ARCSTRAP6F	6' High-Strength Kevlar® Webbing Strap for ArcGuard® Blanket
ARCBAG	Black Carrying Bag for Arc Blanket Kit
BCFGGLBAG	Strap Storage Bag



BCFGGLBAG



Meets Standards:

ASTM F2676
OSHA 1910.269 (T)(7)
NFPA 70E-2012

ARCSTRAP4F



K25LB4F5F Front






K25LB4F5F Back



Goggle/Balaclava Combo Systems

National Safety Apparel's arc goggle balaclava combo sets are an alternative to traditional beekeeper-style arc flash hoods. These head protection kits are tested using the ASTM F2178 test method for face and head protection. It should be noted that both the goggle *and* balaclava need to be worn to achieve compliance.



Product Code	Description
 KITHP12GGL	12 cal/cm² HRC 2 Goggle/Balaclava Combo
 KITHP27	27 cal/cm² HRC 3 Goggle/Balaclava Combo
 KITHP45	45 cal/cm² HRC 4 Goggle/Balaclava Combo



Meets Standards:
ASTM F2178
OSHA 1910.269





KITHP12GGL Components



Product Code	Description
 H73RY	Single Layer UltraSoft® Balaclava Hood with Eye Opening for Arc Goggle
 H12GGL	Standard Arc Goggle




KITHP45 Components

Product Code	Description
 H49CX	Triple-Layer CarbonX® Balaclava Hood with Breathing Chamber & Eye Holes for Arc Goggle
 H10GGLNN	High Energy Arc Goggle

KITHP27 Components

Product Code	Description
 H62RK	Double-Layer Carbon Para-Aramid Balaclava Hood with Eye Opening for Arc Goggle
 H08GGL	Medium Energy Arc Goggle





 Denotes item in-stock for fast delivery


Please find our full range of balaclavas on Page 47.



Faceshield Replacements

Our faceshields, brackets, and beekeeper-style hoods feature fully replaceable and easy-to-install components.

Product Code	Description
 H04CAL25AF	Faceshield, Light Green (Used in 12, 20, & 25 cal/cm² Hood Systems)
 H04CAL40AF	Faceshield, Medium Green (Used in 40 cal/cm² Hood Systems)
 H04CAL65AF	Faceshield, Dark Green (Used in 50 & 65 cal/cm² Hood Systems)
 H04CAL100AF	Faceshield, Amber Green (Used in 100 cal/cm² Hood Systems)

 Denotes item in-stock for fast delivery



H04CAL25AF



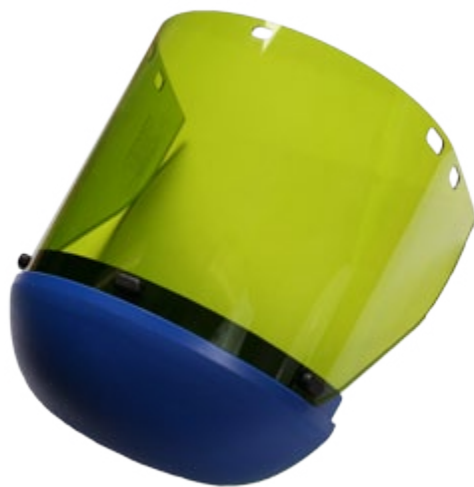
H04CAL40AF



H04CAL65AF








H04CAL100AF



I ZFS2130085

I ZFS2140016

Product Code	Description
 I ZFS23AF6FL70	Faceshield, Light Green, Anti-Fog (10 cal/cm² When Used with Chin Guard). <i>Chin Guard Sold Separately.</i>
 I ZFSCPHD	Chin Guard
 I ZFS2130085	Faceshield, Light Green, Anti-Fog with Permanent Chin Guard (12 cal/cm²)
 I ZFS2140016	Faceshield, Light Green, Anti-Fog with Permanent Chin Guard (20 cal/cm²)

 Denotes item in-stock for fast delivery



I ZFS23AF6FL70






I ZFSCPHD





Accessories

Faceshield Brackets

Product Code	Description
 I ZFSCB6HD	Dielectric Hat Bracket (Universal Hat Adapter)
 I ZFSCB2HD	Dielectric Slotted Hat Bracket
 I ZFSHB2HD	Dielectric Full Brim Hat Bracket



Hard Hats

Product Code	Description
 I ZHH34018	Basic Slotted Hard Hat with 1-Touch Suspension, Type 1, Class E
 I ZHH475358	Slotted Hard Hat with Ratchet Suspension, Type 1, Class E

I ZHH34018 I ZHH475358







Electrical Tool Kit


Product Code	Description
 I KITTOOL9	9-Piece Insulated Electrician Tool Kit Set



DFDLBAG30

Bags & Accessories

Product Code	Description
 DFDLBAG40	Standard Royal Blue Electrical Gear Bag, 14"x14"x18"
 DFDLBAG30	Oversized Navy Blue Electrical Gear Bag, 25½"x14"x16"
 BCFSHIELD	Faceshield Unit Storage Bag
 BCFHOOD	Hood Unit Storage Bag
 DLWGLOVEBAGC2	Glove Storage Bag
 DFDLBAGRW	Orange Mesh Rain Gear Bag

 Denotes item in-stock for fast delivery



DFDLBAG40



BCFSHIELD

BCFHOOD



DLWGLOVEBAGC2



DFDLBAGRW



Base Layers

FR Control™

Our revolutionary FR Control™ garments are the first flame resistant and arc rated items that actively regulate body temperature, keeping you comfortable in warm and cool environments.

Applications

- Base layer for arc flash and FR protection
- Hot and cold work environments
- All other heat stress activity



C51FRSR _ _







Meets Standards:

ASTM F1506-10a
OSHA 1910.269
NFPA 70E-2012

Features

- Light weight 4 oz. khaki fabric
- Arc rating of **3.6 cal/cm²**
- A perfect base layer for your arc flash application
- Available in short sleeve T-shirt, long sleeve T-shirt, and underwear bottoms





Product Code	Description
 C51FRSR _ _	FR Control™ Short Sleeve T-Shirt, Khaki
 C51FRSRLS _ _	FR Control™ Long Sleeve T-Shirt, Khaki
 U51FRSR _ _	FR Control™ Long Underwear Bottoms, Khaki

 Denotes item in-stock for fast delivery

FR Control 2.0™

Features

- Stretchy 5.5 oz. navy fabric
- Arc Rating: **4.0 cal/cm²**
- Tagless shirt collar
- Available in long sleeve T-shirt, short sleeve T-shirt, underwear bottoms, and balaclava

Product Code	Description
 C52FKSR _ _	FR Control 2.0™ Short Sleeve T-Shirt, Navy
 C52FKSRLS _ _	FR Control 2.0™ Long Sleeve T-Shirt, Navy
 H85FK	FR Control 2.0™ Balaclava, Navy
 U52FKSR _ _	FR Control 2.0™ Long Underwear Bottoms, Navy

 Denotes item in-stock for fast delivery



Tagless Label



C52FKSRLS _ _



C52FKSR _ _

Dashes (_ _) are reserved for garment size: SM, MD, LG, XL, 2X, 3X





FR Performance Wear™

National Safety Apparel's FR Performance Wear™ shirts are a perfect base layer for arc flash and flame resistant applications. They are lightweight, very comfortable, and available in several configurations.

Features

- Unique SmartSilver® anti-microbial fabric technology eliminates 99.9% of bacteria & odors
- Available in olive green, khaki, and heathered navy
- Long and short sleeve shirts available



**Performance
WEAR**



Meets Standards:

ASTM F1506-10a
OSHA 1910.269
NFPA 70E-2012



Product Code	Description	Color
 C54DK__LSNP	Khaki Performance Wear™ Long Sleeve T-shirt (1.9 cal/cm ²)	
 C54DK__NP	Khaki Performance Wear™ Short Sleeve T-Shirt (1.9 cal/cm ²)	
 C54DV__LSNP	Navy Performance Wear™ Long Sleeve T-Shirt (1.9 cal/cm ²)	
C54DV__NP	Navy Performance Wear™ Short Sleeve T-Shirt (1.9 cal/cm ²)	
C54DL__LSNP	Olive Green Performance Wear™ Long Sleeve T-Shirt (1.9 cal/cm ²)	
C54DL__NP	Olive Green Performance Wear™ Short Sleeve T-Shirt (1.9 cal/cm ²)	



Denotes item in-stock for fast delivery




Nomex® Waffle Long Underwear

Features

- Enhances your warmth, comfort, and protection when used as a base layer
- 100% Nomex® waffle weave fabric provides great insulation
- Rib knit cuffs at wrists and ankles
- Arc rating: **4 cal/cm² (HRC 1)**



U50WW__

Product Code	Description
 U10WW__	Nomex® Waffle Weave Long Underwear Crewneck Long Sleeve Top
 U20WW__	Nomex® Waffle Weave Long Underwear Mock Turtleneck Long Sleeve Top
 U50WW__	Nomex® Waffle Weave Long Underwear Bottoms



Denotes item in-stock for fast delivery



U10WW__



U20WW__

NOMEX
CORPORATION

Dashes (__) are reserved for garment size: SM, MD, LG, XL, 2X, 3X



Knit Shirts

Our exclusive FR Classic Cotton Knits™ are the first single-layer **12 cal/cm²** option in the industry. The soft and stretchy 100% FR cotton offers maximum comfort, and the quality you expect in every National Safety Apparel product.



Features

- Made from soft, durable 6.25 oz. FR cotton
- Arc Rating: **12 cal/cm² (HRC 2)**
- Available in long and short sleeves
- Left breast pocket



C54PQ__BSLS

Product Code	Description	Color
 C54PA__BSLS	Khaki FR Classic Cotton™ Long Sleeve Henley	
 C54PQ__BSLS	Orange FR Classic Cotton™ Long Sleeve Henley	
 C54PG__BSLS	Grey FR Classic Cotton™ Long Sleeve Henley	
C54PG__BS	Grey FR Classic Cotton™ Short Sleeve Henley	
 C54PI__BSLS	Navy FR Classic Cotton™ Long Sleeve Henley	
C54PI__BS	Navy FR Classic Cotton™ Short Sleeve Henley	
C54VM__BSLS	Light Blue FR Classic Cotton™ Long Sleeve Henley	
C54MS__BSLS	Royal Blue FR Classic Cotton™ Long Sleeve Henley	



Meets Standards:

ASTM F1506-10a
OSHA 1910.269
NFPA 70E-2012

Product Code	Description	Color
 C54PA__LS	Khaki FR Classic Cotton™ Long Sleeve T-Shirt	
 C54PA__	Khaki FR Classic Cotton™ Short Sleeve T-Shirt	
 C54PQ__LS	Orange FR Classic Cotton™ Long Sleeve T-Shirt	
 C54PG__LS	Grey FR Classic Cotton™ Long Sleeve T-Shirt	
 C54PG__	Grey FR Classic Cotton™ Short Sleeve T-Shirt	
 C54PI__LS	Navy FR Classic Cotton™ Long Sleeve T-Shirt	
 C54PI__	Navy FR Classic Cotton™ Short Sleeve T-Shirt	
C54VM__LS	Light Blue FR Classic Cotton™ Long Sleeve T-shirt	
C54MS__LS	Royal Blue FR Classic Cotton™ Long Sleeve T-Shirt	



C54PG__

C54PI__LS



C54PA__PSLS

Product Code	Description	Color
 C54PA__PSLS	Khaki FR Classic Cotton™ Long Sleeve Polo	
C54PQ__PSLS	Orange FR Classic Cotton™ Long Sleeve Polo	
C54PG__PSLS	Grey FR Classic Cotton™ Long Sleeve Polo	
C54PI__PSLS	Navy FR Classic Cotton™ Long Sleeve Polo	
C54VM__PSLS	Light Blue FR Classic Cotton™ Long Sleeve Polo	
C54MS__PSLS	Royal Blue FR Classic Cotton™ Long Sleeve Polo	



Denotes item in-stock for fast delivery

Dashes (__) are reserved for garment size: SM, MD, LG, XL, 2X, 3X



TrueComfort™ Knit Shirts

Our high-performance knit shirts provide you with outstanding protection while offering some of the most comfortable fabrics anywhere.








Features









- Lightweight at 5.5 oz.
- Arc Rating = **8.9 cal/cm² (HRC 2)**
- UL Certified to NFPA 2112
- Rib-knit collar and cuffs
- Standard with left front pocket
- Customizable
- WorkWear for Her options available










Meets Standards:
ASTM F1506-10a
OSHA 1910.269
NFPA 70E-2012






Product Code	Description	Color
 C54VY__BSLS	Navy TrueComfort™ FR Knit Long Sleeve Henley	
 C54VG__BSLS	Grey TrueComfort™ FR Knit Long Sleeve Henley	
C54VR__BSLS	Orange TrueComfort™ FR Knit Long Sleeve Henley	
 C54VK__BSLS	Khaki TrueComfort™ FR Knit Long Sleeve Henley	

Product Code	Description	Color
 C54VY__LS	Navy TrueComfort™ FR Knit Long Sleeve T-shirt	
 C54VG__LS	Grey TrueComfort™ FR Knit Long Sleeve T-shirt	
 C54VR__LS	Orange TrueComfort™ FR Knit Long Sleeve T-shirt	
 C54VK__LS	Khaki TrueComfort™ FR Knit Long Sleeve T-shirt	

Product Code	Description	Color
 C54VY__PSLSSC	Navy TrueComfort™ FR Knit Long Sleeve Polo	
C54VG__PSLSSC	Grey TrueComfort™ FR Knit Long Sleeve Polo	
C54VR__PSLSSC	Orange TrueComfort™ FR Knit Long Sleeve Polo	
 C54VK__PSLSSC	Khaki TrueComfort™ FR Knit Long Sleeve Polo	

 Denotes item in-stock for fast delivery

Modacrylic/Cotton Blend Shirts

Product Code	Description	Color
C54BV__LS	Navy Modacrylic Blend Long Sleeve T-Shirt (9.8 cal/cm²)	
C54BV__BSLS	Navy Modacrylic Blend Long Sleeve Henley (9.8 cal/cm²)	
C54BV__PSLS	Navy Modacrylic Blend Long Sleeve Polo (9.8 cal/cm²)	

 TrueComfort™ Knits



C54VG__BSLS



C54VR__LS



C54VY__PSLSSC

Dashes (__) are reserved for garment size: SM, MD, LG, XL, 2X, 3X



Work Shirts

We created our flame resistant workwear line to have a retail look and feel. From high quality fabrics to functional optional features, our workwear will have you looking your best at all times.

Features

- Button-down front
- Dog house sleeve placket
- Standard left breast pocket
- Elongated tail/front curve
- High-quality FR fabrics

Applications





- Electrical work
- Welding
- Oil & Gas/Utilities

FLAME RESISTANT
WorkWear
by NSA™



UltraSoft® Work Shirts



Product Code	Description	Color
 SHRUK__RG	7 oz. Khaki UltraSoft® Long Sleeve Work Shirt (8 cal/cm²)	
SHRUS__RG	7 oz. Medium Blue UltraSoft® Long Sleeve Work Shirt (8 cal/cm²)	
SHRUJ__RG	7 oz. Navy UltraSoft® Long Sleeve Work Shirt (8 cal/cm²)	






NFPA 2112
CERTIFIED



Meets Standards:
ASTM F1506-10a
OSHA 1910.269
NFPA 70E-2012
NFPA 2112-2012

UltraSoft AC™ Work Shirts








Product Code	Description	Color
SHRQV__RG	7 oz. Khaki UltraSoft AC™ Long Sleeve Work Shirt (8 cal/cm²)	
SHRQY__RG	7 oz. Medium Blue UltraSoft AC™ Long Sleeve Work Shirt (8 cal/cm²)	
SHRYB__RG	7 oz. Navy Blue UltraSoft AC™ Long Sleeve Work Shirt (8 cal/cm²)	
 SHRDR__RG3	7 oz. Royal Blue UltraSoft AC™ Long Sleeve Work Shirt with button down collar (8 cal/cm²)	




SHRUK__RG

Protera® Work Shirts



Product Code	Description	Color
 SHRLI__RG	6.5 oz. Khaki Protera® Long Sleeve Work Shirt (8.5 cal/cm²)	
 SHRLE__RG	6.5 oz. Medium Blue Protera® Long Sleeve Work Shirt (8.5 cal/cm²)	
SHRLB__RG	6.5 oz. Navy Blue Protera® Long Sleeve Work Shirt (8.5 cal/cm²)	

 Denotes item in-stock for fast delivery



SHRLE__RG

Customize Your Work Shirt!

Add the number of the desired feature to the end of your product code.

Example: SHRUJ__RG34

Optional Features

1. Double breast pockets with flaps
2. Pencil pocket on left sleeve
3. Button-down collar
4. Short sleeves

Dashes (__) are reserved for garment size: SM, MD, LG, XL, 2X, 3X





Lab Coats

Our FR lab coats provide an excellent way to protect against arc flash, flash fire and lab contaminants all in one garment.

Features

- Standard left breast pocket and two lower lab pockets
- Pass-through slits on sides for access to base layer
- Snap closure down front
- 42" Long

Product Code	Description
C09UJ__42LC	7 oz. Navy UltraSoft® Lab Coat, Snap Front (8 cal/cm²)
 C09UP__42LC	9 oz. Navy UltraSoft® Lab Coat, Snap Front (12 cal/cm²)
C09LY__42LC	6 oz. Navy Protera® Lab Coat, Snap Front (8.5 cal/cm²)
C09NM__42LC	6 oz. Navy Nomex IIIA® Lab Coat, Snap Front (5 cal/cm²)

 Denotes item in-stock for fast delivery

 UltraSoft®

DuPont™
Protera®

 NOMEX®



Meets Standards:
ASTM F1506-10a
OSHA 1910.269
NFPA 70E-2012

**We'll customize
your lab coats for
you! Contact us for
details.**



C09UP__42LC

Arc Flash Food Processing




We offer arc flash resistant garments for the food industry to provide FR protection while keeping food off of your daily wear.


FR Food Processing Shirt & Lab Coat

- No pockets and buttons for food industry
- Concealed snap closures down front and on wrists
- Pass-through slits on sides for access to inner clothing (C09 lab coat only)

FR Hairnet and Beardnet

- Made with flame resistant Nomex® fabric
- Standard size shown fits most
- Other sizes available
- 42" Long

Product Code	Description
 C09UJ__42LCFS	7 oz. Navy UltraSoft® Food Processing Lab Coat (8 cal/cm²)
 C56UJ__FS	7 oz. Navy UltraSoft® Food Processing Shirt (8 cal/cm²)
 H01NYHN	Gray Nomex® Knit FR Hair Net (2.4 cal/cm²)
 H01NYBN	Gray Nomex® Knit FR Beard Net (2.4 cal/cm²)

 Denotes item in-stock for fast delivery



C56UJ__FS



C09UJ__42LCFS



H01NYHN



H01NYBN

Dashes (_) are reserved for garment size: SM, MD, LG, XL, 2X, 3X






Work Pants

National Safety Apparel's FR work pants ensure that you will look your best every day. Protection, comfort, and function are all rolled into one premium pant.

Features

- Comfortable and durable fabrics
- Two side pockets and two back pockets
- HRC 2 protection

Product Code	Description
 PNTLY__X__	8 oz. Navy Protera® Pant (12 cal/cm²)
PNTQU__X__	9 oz. Navy UltraSoft AC® Pant (not NFPA 2112 certified) (12 cal/cm²)
 PNTUP__X__	9 oz. Navy UltraSoft® Pant (12 cal/cm²)
PNTUD__X__	11 oz. Navy UltraSoft® Duck Pant (13 cal/cm²)
PNTUM__X__	11 oz. Brown UltraSoft® Duck Pant (13 cal/cm²)

 Denotes item in-stock with unfinished inseam for fast delivery

DuPont™

Protera®



UltraSoft®



UltraSoft AC™

Customize Your Work Pants!

Add the number of the desired feature to the end of your product code.

Example: PNTLY__X__13

Optional Features

1. Cargo pockets with flaps
2. Knee reinforcement patches
3. Flaps on back pockets
4. Adjustable waist tabs

FLAME RESISTANT
WorkWear
by NSA™



Meets Standards:

ASTM F1506-10a
OSHA 1910.269
NFPA 70E-2012
NFPA 2112-2012



PNTLY__X__3

PNTUP__X__




J01DJ__W__I

J02DJRS__W__I

Jeans

Features

- 14 oz. denim Indura®
- Optional 7 oz. red sanded Indura® liner
- HRC 2 or HRC 3 - see below for arc ratings

Product Code	Description
J01DJ__W__I	14 oz. Denim Indura® Jean (18 cal/cm²)
J02DJRS__W__I	14 oz. Denim Indura® Jean with 7 oz. Red Sanded Indura® Liner (26 cal/cm²)
 PNTDY__W__J	13.5 oz. Flame Resistant Cotton (17 cal/cm²)

 Indura®

Meets Standards:

ASTM F1506-10a
OSHA 1910.269
NFPA 70E-2012



Dashes (__) are reserved for waist (e.g. 30, 32, 34, 36, 38, 40, 42, 44, 46)

Dashes (__) are reserved for inseam (e.g. 30, 32)





Coveralls

Our FR coveralls set the industry standard for arc flash and flash fire protection. We make them highly customizable to fit your company's needs down to the last detail.

Features










- Arc rated to NFPA 70E, HRC 2
- UL Certified to NFPA 2112 for flash fire
- Crafted for a comfortable fit


**We make CE
Certified coveralls!
Contact us for
details.**



UltraSoft® Coveralls



Product Code	Description	Color
 C88UJ _ _ _	7 oz. Navy UltraSoft® Coverall with Zipper Closure (8 cal/cm²)	
C88UJ _ _ _ LZ	7 oz. Navy UltraSoft® Coverall with Zipper Closure, Leg Zipper Openings (8 cal/cm²)	
C88UK _ _ _	7 oz. Khaki UltraSoft® Coverall with Zipper Closure (8 cal/cm²)	
 C88UP _ _ _	9 oz. Navy UltraSoft® Coverall with Zipper Closure (12 cal/cm²)	
C88UR _ _ _	9 oz. Royal Blue UltraSoft® Coverall with Zipper Closure (12 cal/cm²)	
C88UJ _ _ _ CE	7 oz. Navy UltraSoft® Coverall, CE Certified (8 cal/cm²)	
C88UP _ _ _ CE	9 oz. Navy UltraSoft® Coverall, CE Certified (12 cal/cm²)	

 Denotes item in-stock for fast delivery

C88UP _ _ _



Meets Standards:

ASTM F1506-10a
OSHA 1910.269
NFPA 70E-2012
NFPA 2112-2012

Dashes (_) are reserved for garment size: SM, MD, LG, XL, 2X, 3X




Dashes (_) are reserved for inseam (e.g. 30, 32)




Coveralls

We make coveralls in many different fabrics, weights, and colors, and specialize in creating custom coveralls. We can outfit you with extra-long leg zippers, additional pockets, and many reflective trim configurations.

Protera® Coveralls

Product Code	Description	Color
 C88LI _ _ _ _	6.5 oz. Khaki Protera® Coverall with Front Zipper Closure (8.5 cal/cm²)	
C88LY _ _ _ _	8 oz. Navy Protera® Coverall with Front Zipper Closure (12 cal/cm²)	

 Denotes item in-stock for fast delivery

DuPont™
Protera



**C88LY _ _ _ _ with
Enhanced Visibility Trim**







C88XN _ _ _ _

C88NM _ _ _ _



Meets Standards:
ASTM F1506-10a
OSHA 1910.269
NFPA 70E-2012
NFPA 2112-2012

Nomex IIIA® Coveralls

Product Code	Description	Color
C88XN _ _ _ _	4.5 oz. Khaki Nomex IIIA® Coverall with Zipper (4 cal/cm²)	
C88BN _ _ _ _	4.5 oz. Navy Nomex IIIA® Coverall with Zipper (4 cal/cm²)	
C88XA _ _ _ _	6.0 oz. Khaki Nomex IIIA® Coverall with Zipper (5 cal/cm²)	
C88NM _ _ _ _	6.0 oz. Navy Nomex IIIA® Coverall with Zipper (5 cal/cm²)	

NOMEX
DuPont™

Dashes (_ _) are reserved for garment size: SM, MD, LG, XL, 2X, 3X
Dashes (_ _) are reserved for inseam (e.g. 30, 32)









FR Fleece Sweatshirts


National Safety Apparel takes great pride in setting the standard for high quality FR fleece sweatshirts. We offer many styles, fabrics, and sizes for immediate delivery.

Features

- Three classic designs: crewneck, hoodie, and zip-hoodie
- **HRC 2** and **HRC 3** sweatshirts available
- Available with embroidery, reflective striping, printed logos

UltraSoft® Sweatshirts

Product Code	Description	Color
 C21WT__03	11 oz. Navy UltraSoft® Fleece Hooded Pullover Sweatshirt (21 cal/cm²)	
 C21WT__05	11 oz. Navy UltraSoft® Fleece Hooded Sweatshirt with Plastic Zipper (21 cal/cm²)	
C21WI__03	11 oz. Orange UltraSoft® Fleece Hooded Pullover Sweatshirt (21 cal/cm²)	
C21WI__05	11 oz. Orange UltraSoft® Fleece Hooded Sweatshirt with Plastic Zipper (21 cal/cm²)	

 Denotes item in-stock for fast delivery





Meets Standards:

ASTM F1506-10a
OSHA 1910.269
NFPA 70E-2012
NFPA 2112-2012

Style Guide





C21WT__03



C21IF__05

Modacrylic/Cotton Blend Sweatshirts

Product Code	Description	Color
 C21IF__02	14 oz. Navy FR Modacrylic Blend Fleece Crewneck Sweatshirt (28 cal/cm²)	
 C21IF__03	14 oz. Navy FR Modacrylic Blend Fleece Hooded Pullover Sweatshirt (28 cal/cm²)	
 C21IF__05	14 oz. Navy FR Modacrylic Blend Fleece Hooded Zip Front Sweatshirt (28 cal/cm²)	
 C23IF__01HZ	14 oz. Navy FR Modacrylic Blend Fleece Half-Zip Sweatshirt (28 cal/cm²)	
 C21IG__03	14 oz. Gray FR Modacrylic Blend Fleece Hooded Pullover Sweatshirt (28 cal/cm²)	
 C21IG__05	14 oz. Gray FR Modacrylic Blend Fleece Hooded Zip Front Sweatshirt (28 cal/cm²)	

 Denotes item in-stock for fast delivery





Meets Standards:


ASTM F1506-10a
OSHA 1910.269
NFPA 70E-2012

Dashes (__) are reserved for garment size: SM, MD, LG, XL, 2X, 3X



FR Lined Sweatshirts

Product Code	Description
 C21IFWE__03	21 oz. Navy FR Modacrylic Blend Fleece Sweatshirt with Waffle Weave Liner, Hooded Pullover (43 cal/cm²)
 C21IFWE__05	21 oz. Navy FR Modacrylic Blend Fleece Sweatshirt with Waffle Weave Liner, Hooded Zip Front (43 cal/cm²)

 Denotes item in-stock for fast delivery




Meets Standards:


ASTM F1506-10a
OSHA 1910.269
NFPA 70E-2012



C21IFWE__05

Nomex® Fleece Sweatshirts

Product Code	Description
V04FO__PS	Black Nomex® Fleece Vest with Plastic Snap Closure (24 cal/cm²)
C23FO__05	Black Nomex® Fleece Hooded Sweatshirt with Plastic Zipper (24 cal/cm²)
 C23FL__05	Navy Nomex® Fleece Hooded Sweatshirt with Plastic Zipper (24 cal/cm²)
C24FO__01	Black Nomex® Deluxe Comfort Fleece Zipper Jacket with Reinforced Forearms and Shoulders (24 cal/cm²)

 Denotes item in-stock for fast delivery



V04FO__PS



C23FL__05



C23FO__05

Dashes (__) are reserved for garment size: SM, MD, LG, XL, 2X, 3X



DWR FR Fleece Sweatshirt

Keep warm and dry with our new water repellent fleece.



Features


- DWR Finish (Durable Water Repellent up to 20 home washes)
- Reliant Soil Release (Aids in the release of hard to remove stains during home laundering)



Meets Standards:

ASTM F1506-10a
OSHA 1910.269
NFPA 70E-2012
NFPA 2112-2012

Product Code	Description
C21iW__01HZ	DWR Unlined half-zip with stand-up collar (34 cal/cm²)
C21iW__02	DWR Unlined crew neck (34 cal/cm²)
C21iWJB__02	DWR Lined crew neck (Outer shell - 34 cal/cm² Liner - 9 cal/cm²)
 C21iW__03	DWR Unlined pullover hoodie (34 cal/cm²)
C21iWJB__03	DWR Lined pullover hoodie (Outer shell- 34 cal/cm² Liner - 9 cal/cm²)
C21iW__03HZ	DWR Unlined pullover half-zip (34 cal/cm²)
 C21iW__05	DWR Unlined zip-up hoodie (34 cal/cm²)
C21iWJB__05	DWR Lined zip-up hoodie (Outer shell- 34 cal/cm² Liner - 9 cal/cm²)

 Denotes item in-stock for fast delivery



C21iW__03

Field Coats

One of our most popular jackets is the field coat, a versatile midway jacket that will work in a variety of environments.

Features

- UltraSoft® outer lining with khaki or red sanded Indura® liner
- Oversized patch pockets in front
- Vislon® front zipper closure

ArcGuard® *Legacy*™



C55UPRS__30T

C55UPST__RG

Product Code	Description
C55UPRS__30T	9 oz. Navy UltraSoft® Field Coat with 7 oz. Red Sanded Indura® Liner (32 cal/cm²)
C55UPST__RG	9 oz. Navy UltraSoft® Legacy™ Field Coat with 7oz. Khaki Sanded Indura® Liner (32 cal/cm²)

 **UltraSoft®**



Meets Standards:

ASTM F1506-10a
OSHA 1910.269
NFPA 70E-2012

Dashes (__) are reserved for garment size: SM, MD, LG, XL, 2X, 3X



FR Outerwear

2112 Certified Outerwear





When we created our new line of performance outerwear, we consulted with many workers, evaluated the competition, and created what we believe is the finest outerwear available.



Features

- Various fabric combinations for different climates
- HRC 4 protection
- Custom features available - see below for details
- Durable Water Repellent (DWR) finish

Brown UltraSoft® Duck Outer with Modaquilt Lining (47 cal/cm²)

Product Code	Description
 C18UMMQ__RG Parka	
 HOODUMMQ Hood (for parka, sold separately)	
 C45UMMQ__RG Bib Overall	
 C34UMMQ__RG Bomber Jacket	





Brown UltraSoft® Duck Outer with Thinsulate™ Lining (47 cal/cm²)


Product Code	Description
C18UMLQ__RG Parka	
HOODUMLQ Hood (for parka, sold separately)	
C45UMLQ__RG Bib Overall	
C34UMLQ__RG Bomber Jacket	

Navy UltraSoft® Duck Outer with Modaquilt Lining (47 cal/cm²)

Product Code	Description
C18UDMQ__RG Parka	
HOODUDMQ Hood (for parka, sold separately)	
C45UDMQ__RG Bib Overall	
C34UDMQ__RG Bomber Jacket	

Navy UltraSoft® Duck Outer with Thinsulate™ Lining (47 cal/cm²)

Product Code	Description
 C18UDLQ__RG Parka	
 HOODUDLQ Hood (for parka, sold separately)	
 C45UDLQ__RG Bib Overall	
 C34UDLQ__RG Bomber Jacket	

 Denotes item in-stock for fast delivery

HOODUDLQ

C18UDLQ__RG

C34UMMQ__RG

C45UDLQ__RG





Meets Standards:

ASTM F1506-10a
OSHA 1910.269
NFPA 70E-2012
NFPA 2112-2012

To select additional features, add the option number to the end of the part number.

Example: C18UMLQ__RG1, C45UDLQ__24, C34UDMQ__1234

Parka Options:

1. Two way, double slider front zipper
2. Inside water resistant cuff
3. Expandable lower pockets
4. FR reflective triple trim

Bomber Options:

1. Outside breast pocket with mic clip
2. Inside water resistant cuffs
3. Outside lower patch pockets
4. FR reflective triple trim

Bib Overall Options:

1. Outside leg zipper flap
2. Inside water resistant cuff
3. Knee reinforcements
4. FR reflective triple trim

Dashes (__) are reserved for garment size: SM, MD, LG, XL, 2X, 3X





Balaclavas

National Safety Apparel carries a wide variety of arc flash balaclavas. We have a great selection to keep you safe and comfortable.



H85FK

Navy FR Control 2.0™ Knit Hood (**4.0 cal/cm²**)



H61NK

White Nomex® Double Layer Knit Hood (**10 cal/cm²**)



H11RY

Navy UltraSoft® Knit Hood (**12 cal/cm²**)



H11MI

Khaki Modacrylic Blend Knit Hood (**12 cal/cm²**)



H11BA

Navy Modacrylic Blend Knit Hood (**12 cal/cm²**)



H61MK

Beige Modacrylic Nomex® Double Layer Knit Hood (**15 cal/cm²**)



H11RV

Navy UltraSoft® Knit Hood (**20 cal/cm²**)



H18CX

Black CarbonX® Double Layer Knit Hood (**23 cal/cm²**)



H25CX

Black CarbonX® Double Layer Knit Hood (Wider Cut) (**23 cal/cm²**)



H61RK

Green Double Layer Carbon Para-Aramid Hood (**27 cal/cm²**)





Denotes item in-stock for fast delivery



Arc Rated Hats and Liners

We offer an assortment of head coverings to meet your needs in all seasons.

Product Code	Description
 H01TJDRML	Khaki UltraSoft® Woven Doo Rag (5.5 cal/cm ²)
 H01UXDRLT	Khaki UltraSoft® Knit Doo Rag (11 cal/cm ²)

 **UltraSoft®**



H01UXDRLT



H01TJDRML







H74UP11



H74FL10






H01FLCAP

Product Code	Description
 H74FL10	Navy Nomex® Fleece Winter Hat Liner (24 cal/cm ²)
 H74FO10	Black Nomex® Fleece Winter Hat Liner (24 cal/cm ²)
 H01FLCAP	Navy Nomex® Fleece Hat (24 cal/cm ²)
H01FOCAP	Black Nomex® Fleece Hat (24 cal/cm ²)
 H74UP11	Navy UltraSoft® Winter Liner with Red Indura® Brushed Lining (32 cal/cm ²)

 **UltraSoft®**

NOMEX®

OUTLINE

Product Code	Description
 HMOD2BK	Black Modacrylic Hat (28 cal/cm ²)
 HNC2OR	Orange Nomex® Hat (35 cal/cm ²)
 HNC2BK	Black Nomex® Hat (35 cal/cm ²)

NOMEX®

OUTLINE



HMOD2BK

HNC2OR




HNC2BK




DGRUPCAP

DGRURCAP

DGRNMCAP

Product Code	Description
 DGRUPCAP	Navy UltraSoft® Baseball Cap (12 cal/cm ²)
 DGRURCAP	Royal Blue UltraSoft® Baseball Cap (12 cal/cm ²)
 DGRNMCAP	Navy Nomex IIIA® Baseball Cap (5.7 cal/cm ²)

 Denotes item in-stock for fast delivery

NOMEX®

OUTLINE

Flame Resistant Rainwear



Guide to FR Rainwear

National Safety Apparel's rainwear carries certifications for arc flash, flash fire, and high visibility. Its resistance to all three hazards make it an ideal solution for electrical, oil & gas, and construction applications.

Arc Flash Resistance Test (ASTM F1891)

ASTM F1891 is a standard that provides minimum arc flash resistance requirements for FR rainwear. The standard gives provisions that a garment must meet for arc resistance, construction, water resistance/leak proofing, and tear resistance.

What gets tested:

- Arc Thermal Performance (ASTM F1959)
- Resistance to Leaking (ASTM D3393)
- Tear Resistance (ASTM D1117)
- Construction (no zippers, reflective material, snaps, etc. may be electrically conductive).
- Flame Resistance (ASTM D6413)

Flash Fire Resistance Test (ASTM F2733)

ASTM F2733 is a standard that provides minimum flash fire requirements specifically for flame resistant rainwear. This standard includes the same durability tests that ASTM F1891 contains.

The rain garment is flash fire tested, and must exhibit no melting or dripping of the material. The predicted total burn area must be less than or equal to 40% of the body. Closures must be able to be opened after the flame test.

What gets tested:

- Flash Fire Test (ASTM F1930)
- Resistance to Leaking (ASTM D3393)
- Tear Resistance (ASTM D1117)
- Breathability (if rainwear is claimed to be breathable)
- Construction (no components can diminish the performance of the rain garment)
- Flame Resistance (ASTM D6413)



The **Arc H2O** rainwear garments are light, stretchable, and super resistant to water and chemicals. Ideal for the oil and gas industry. Available in both fluorescent yellow and fluorescent orange, ANSI 107 Class 2 and 3.



The **Arc Extreme** line is our first breathable rainwear line. These stylish rain garments are softer, cooler, and feature a Durable Water Repellent (DWR) finish to keep water off the body. Available in fluorescent yellow and navy blue.







Our premium **Arc Extreme Hybrid** rainwear features unrivaled design and material for the best in protection from the elements. The garments boast many features for easy donning and doffing as well as quick access to your tools.



National Safety Apparel is the leader in arc flash and flash fire rainwear. We only use the highest quality components to ensure the garments can withstand the rigors of working in bad weather.

Arc H2O™ Rainwear

Product Code	Description
 R30RL__05	Arc H2O™ Class 2 10 oz. Fluorescent Yellow PU Coated FR Weft Knitted Cotton 30" Jacket (19 cal/cm²)
 R30RL__06	Arc H2O™ Class 3 10 oz. Fluorescent Yellow PU Coated FR Weft Knitted Cotton 30" Jacket (19 cal/cm²)
 R31RL__06	Arc H2O™ Class 3 10 oz. Fluorescent Yellow PU Coated FR Weft Knitted Cotton 48" Trench Coat (19 cal/cm²)
 R40RL__14	Arc H2O™ Class E 10 oz. Fluorescent Yellow PU Coated FR Weft Knitted Cotton Bib Pant (19 cal/cm²)



R30RQ__06





R30RL__06








Meets Standards:

OSHA 1910.269
ASTM F1891-06
ASTM F2733-09
NFPA 70E-2012
ANSI/ISEA 107-2010

Product Code	Description
 R30RQ__06	Arc H2O™ Class 3 10 oz. Fluorescent Orange PU Coated FR Weft Knitted Cotton 30" Jacket (19 cal/cm²)
 R40RQ__14	Arc H2O™ Class E 10 oz. Fluorescent Orange PU Coated FR Weft Knitted Cotton Bib Pant (19 cal/cm²)

Arc H2O™ Rainwear Kits

Product Code	Description
 KITRL__C2	Class 2 Fluorescent Yellow 30" Jacket & Bib Pant Rainwear Kit with Orange Mesh Gear Bag (19 cal/cm²)
 KITRL__C3	Class 3 Fluorescent Yellow 30" Jacket & Bib Pant Rainwear Kit with Orange Mesh Gear Bag (19 cal/cm²)
 KITRQ__C3	Class 3 Fluorescent Orange 30" Jacket & Bib Pant Rainwear Kit with Orange Mesh Gear Bag (19 cal/cm²)
 KITRLCV08__C3	HRC 2, NFPA 2112 Coverall Kit (8 cal/cm²) and Class 3 Arc H2O Fluorescent Yellow 30" Jacket & Bib Overall (19 cal/cm²) Total Protection Kit
 KITRQCV08__C3	HRC 2, NFPA 2112 Coverall Kit (8 cal/cm²) and Class 3 Arc H2O Fluorescent Orange 30" Jacket & Bib Overall (19 cal/cm²) Total Protection Kit

 Denotes item in-stock for fast delivery



KITRL__C3



KITRLCV08__C3

Dashes (__) are reserved for garment size: SM, MD, LG, XL, 2X, 3X



Arc Extreme™ Breathable Rainwear

Product Code	Description
R22EN__20	Arc Extreme™ Navy Nomex®/PTFE Breathable 30" Rain Jacket with Reflective Trim (9.2 cal/cm²)
R41EN__18	Arc Extreme™ Navy Nomex®/PTFE Breathable Bib Overall with Reflective Trim (9.2 cal/cm²)
R22HN__17DC3	Arc Extreme™ Class 3 Hi-Vis Yellow Modacrylic/PTFE Breathable 30" Rain Jacket with D-Ring Opening (18 cal/cm²)
R41HN__18	Arc Extreme™ Hi-Vis Yellow Modacrylic/PTFE Breathable Bib Overall (18 cal/cm²)



R22HN__17DC3



R41HN__18



R22EN__20



R41EN__18



Meets Standards:
 OSHA 1910.269
 ASTM F1891-06
 ASTM F2733-09
 NFPA 70E-2012
 ANSI/ISEA 107-2010

Arc Extreme Hybrid™ Breathable Rainwear

Product Code	Description
R70HN__D	Arc Extreme Hybrid™ Class 3 Hi-Vis Yellow (Modacrylic) & Navy (Nomex®) PTFE Breathable 30" Rain Jacket, D-Ring Opening
R75HN__	Arc Extreme Hybrid™ Class E Hi-Vis Yellow (Modacrylic) & Navy (Nomex®) PTFE Breathable Rain Bib Overall

Note: Hi-Vis Yellow Modacrylic Material (**Arc Rating = 18 cal/cm²**)
 Navy Nomex® Material (**Arc Rating = 9.2 cal/cm²**)



R70HN__D



R75HN__



Meets Standards:
 OSHA 1910.269
 ASTM F1891-06
 ASTM F2733-09
 NFPA 70E-2012
 ANSI/ISEA 107-2010

Dashes (__) are reserved for garment size: SM, MD, LG, XL, 2X, 3X

FR High Visibility





High Visibility Reference Guide

ANSI/ISEA 107-2010

ANSI/ISEA 107 is the accepted standard for high-visibility safety apparel. The standard was last updated in 2010.

This standard 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.

Class 1: Provides high visibility by covering the torso.

Class 2: Provides greater visibility by covering the torso with added reflective material and tape.

Class 3: Provides even greater visibility by covering torso and some or all parts of the arms. *Vests and sleeveless garments do not meet Class 3 requirements.*

Class E: Applies specifically for pants and bib overalls. When Class E high visibility pants or bib overalls are added to Class 2 or 3 garments, the complete outfit achieves Class 3.

Below, you can find the material requirements for each class.





	Class 1	Class 2	Class 3	Class E
Minimum 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)
Minimum Retroreflective Material (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 Retroreflective Tape	1 in. (25 mm)	1.375 in. (35 mm)	2 in. (50 mm)	2 in. (50 mm)



High Visibility Garments

Workers wear high-visibility apparel in many situations where poor lighting or weather conditions can put them in danger. National Safety Apparel's High Visibility line provides enhanced worker visibility and arc flash protection, making them ideal for utility workers and electrical contractors.

Mesh Vests

Product Code	Description
 V00HA__2V	Class 2 FR Hi-Vis Fluorescent Yellow Modacrylic/Kevlar® Blend Mesh Vest with FR Hook & Loop Closure (5.1 cal/cm²)
 V00HA__3V	Class 3 FR Hi-Vis Fluorescent Yellow Modacrylic/Kevlar® Blend Mesh Vest with FR Hook & Loop Closure, Short Sleeve (5.1 cal/cm²)
 V00HA__2Z	Class 2 FR Hi-Vis Fluorescent Yellow Modacrylic/Kevlar® Blend Mesh Vest with Zipper Closure (5.1 cal/cm²)
 V06HA__2V	Class 2 Tear-Away FR Hi-Vis Fluorescent Yellow Modacrylic/Kevlar® Blend Mesh Vest with Zipper Closure (5.1 cal/cm²)



V00HA__3V






V00HA__2Z



V00HA__2V

Dual Action™ T-Shirts

Product Code	Description
 C54HY__C3	Class 3 Dual Action™ FR Hi-Vis Fluorescent Yellow T-Shirt, Short Sleeve (8.6 cal/cm²)
 C54HY__LSC3	Class 3 Dual Action™ FR Hi-Vis Fluorescent Yellow T-Shirt, Long Sleeve (8.6 cal/cm²)

 Denotes item in-stock for fast delivery



C54HY__C3



C54HY__LSC3






Meets Standards:
ANSI/ISEA 107-2010
ASTM F1506-10a
OSHA 1910.269
NFPA 70E-2012

Dashes (__) are reserved for garment size: SM, MD, LG, XL, 2X, 3X



Sweatshirts

Product Code	Description
 C21HC__03C3	10.5 oz. Class 3 FR Hi-Vis Fluorescent Yellow Hooded Pullover Sweatshirt (12 cal/cm²)
 C21HC__05C3	10.5 oz. Class 3 FR Hi-Vis Fluorescent Yellow Hooded Sweatshirt with Front Zipper Closure (12 cal/cm²)
C21HH__03C3	14 oz. Class 3 FR Hi-Vis Fluorescent Yellow Hooded Pullover Sweatshirt (24 cal/cm²)
C21HH__05C3	14 oz. Class 3 FR Hi-Vis Fluorescent Yellow Hooded Sweatshirt with Front Zipper Closure (24 cal/cm²)
C21HCWE__03C3	19.5 oz. Class 3 FR Hi-Vis Fluorescent Yellow Hooded Pullover Sweatshirt with Waffle Weave Liner (26 cal/cm²)
C21HCWE__05C3	19.5 oz. Class 3 FR Hi-Vis Fluorescent Yellow Hooded Sweatshirt with Waffle Weave Liner, Front Zipper Closure (26 cal/cm²)

 Denotes item in-stock for fast delivery



C21HC__03C3



C21HC__05C3



C21HCWE__05C3



Meets Standards:
ANSI/ISEA 107-2010
ASTM F1506-10a
OSHA 1910.269
NFPA 70E-2012

Dashes (_) are reserved for garment size: SM, MD, LG, XL, 2X, 3X



Thermal Protection



Hand Protection Reference Guide

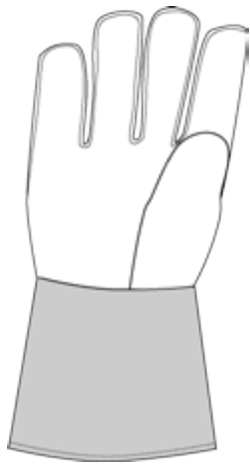
Our wide range of high heat gloves keeps you protected. Because each individual's need is different, we've come up with a quick guide to selecting the best type of hand protection to match your job.

Dexterity

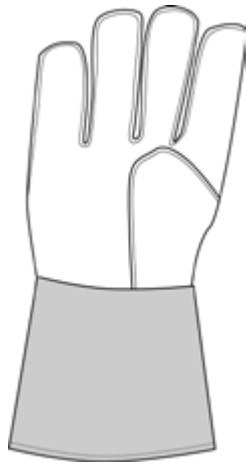
The first decision to make is whether or not you require a **glove** or a **mitten**. Gloves provide individual finger dexterity. Mittens work well if an object is easy to grasp.

Glove Style

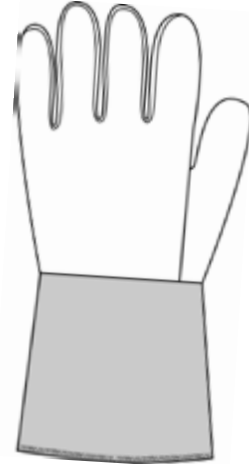
If you have opted for a glove, the next choice would be between a **straight thumb (G51)**, **winged thumb (G64)**, or **ambidextrous (G43/G44/G45)** glove. Wing thumbed gloves are designed to provide protection when holding something in the palm of the hand. Conversely, straight thumb gloves are ideal for applications requiring dexterity and the use of different grips. Finally, ambidextrous gloves allow both sides to be used, extending the life of the glove (not available in all materials).



G51 Straight Thumb Glove



G64 Winged Thumb Glove



G43/44/45 Ambidextrous Glove

Heat Resistance

The most often-asked question regarding our gloves and mittens is "what is the maximum temperature that it can endure?" Although tests are performed and results evaluated on our gloves, it is difficult to give an exact temperature range. This is because heat resistance is so strongly dependent on three outside factors: **duration of contact**, **shape of the object**, and **frequency of use**. For guidance on selecting the correct glove, contact your NSA sales representative.

Radiant Heat and Molten Metal Resistance

If your hands are exposed to **radiant heat**, then you should consider a glove with an aluminized backing. Aluminized materials perform very well when it comes to reflecting heat away from the hand.

Aluminized materials also provide **molten metal** resistance. Refer to the chart on **page 56** for details on the ASTM F955 performance of select aluminized materials.

Thermobest (Kevlar®/Fiberglass) Gloves



G51TCGH14072 

14" Long, Straight Thumb 22 oz.
Thermobest Glove with 19 oz.
Goldenbest Cuff, Lined with 12 oz. Wool
Size: **Large**



G64TCVB14GC 

14" Long, Winged Thumb 22 oz.
Thermobest Glove with 19 oz.
Goldenbest Cuff, Lined with 12 oz. Wool
Size: **Large**



G51TCVB14 

14" Long, Straight Thumb 22 oz.
Thermobest Glove with 8 oz. Kevlar®
Twill Cuff, Lined with 12 oz. Wool
Size: **Large**



G64TCSR1408 

14" Long, Winged Thumb 22 oz.
Thermobest Glove with 22 oz. Thermobest
Cuff, Lined with 10 oz. Reversed Wool
Size: **Large**



G51TCVB14115 

14" Long, Straight Thumb 22 oz.
Thermobest Glove with 8 oz. Kevlar®
Twill Cuff and Extra Nomex® Palm
Patch, Lined with 12 oz. Wool
Size: **Large**



G51TCVB14116 

14" Long, Straight Thumb 22 oz.
Thermobest Glove with 19 oz.
Aluminized Thermobest Back, Lined
with 12 oz. Wool
Size: **Large**



G64TCSR1401 

14" Long, Winged Thumb 22 oz.
Thermobest Glove with 13 oz. NSA
Fusion Aluminized Carbon Kevlar® Back,
Lined with Heavy 15 oz. Wool
Size: **Large**



G51TCNL14 

14" Long, Straight Thumb 22 oz.
Thermobest Glove with 13 oz. NSA
Fusion Aluminized Carbon Kevlar® Back,
Lined with 8 oz. Nomex®
Size: **Large**



Denotes item in-stock for fast delivery

PBI/Kevlar® Gloves



G51PBRW14137 

14" Long, Straight Thumb 22 oz. PBI/Kevlar® Glove with 22 oz. Thermobest Cuff, Lined with 10 oz. Reversed Wool
Size: **Large**



G64PBVB14072 

14" Long, Winged Thumb 22 oz. PBI/Kevlar® Glove with 19 oz. Goldenbest Cuff, Lined with 12 oz. Wool
Size: **Large**



G51PCLW14137 

14" Long, Straight Thumb 45 oz. PBI/Kevlar® Glove with 22 oz. Thermobest Cuff, Lined with 10 oz. Wool
Size: **Large**

Kevlar® Terrycloth Gloves



G46KTNL13002 

13" Long, Ambidextrous 20 oz. Kevlar® Terrycloth Glove with Kevlar® Terrycloth Cuff, Lined with Nomex® Felt
Size: **Small**



G43KTSR12F 

12" Long, Ambidextrous 20 oz. Kevlar® Terrycloth Glove with Kevlar® Terrycloth Cuff, Lined with 10 oz. Reversed Wool
Size: **Large**




G45KTSR12 

12" Long, Ambidextrous 20 oz. Kevlar® Terrycloth Glove with Kevlar® Terrycloth Cuff, Lined with 10 oz. Reversed Wool
Size: **Jumbo**



G51KTLW14002 

14" Long, Straight Thumb 20 oz. Kevlar® Terrycloth Glove with Extra Kevlar® Felt Palm & Thumb Patch, Lined with 12 oz. Wool
Size: **Large**

 Denotes item in-stock for fast delivery

Reversed Kevlar® Terrycloth Gloves



G44RTRF12



12" Long, Ambidextrous 20 oz. Reversed Kevlar® Terrycloth Glove with 8 oz. Kevlar® Twill Cuff, Lined with 8 oz. Reversed Wool
Size: **Regular**



G43RTRF12



12" Long, Ambidextrous 20 oz. Reversed Kevlar® Terrycloth Glove with 8 oz. Kevlar® Twill Cuff, Lined with 8 oz. Reversed Wool
Size: **Large**



G45RTRF12



12" Long, Ambidextrous 20 oz. Reversed Kevlar® Terrycloth Glove with 8 oz. Kevlar® Twill Cuff, Lined with 8 oz. Reversed Wool
Size: **Jumbo**



G44RTRF12010



12" Long, Ambidextrous 20 oz. Reversed Kevlar® Terrycloth Glove with FR Duck Cuff, Lined with 8 oz. Reversed Wool
Size: **Regular**



G43RTRF12010



12" Long, Ambidextrous 20 oz. Reversed Kevlar® Terrycloth Glove with FR Duck Cuff, Lined with 8 oz. Reversed Wool
Size: **Large**



G45RTRF12010



12" Long, Ambidextrous 20 oz. Reversed Kevlar® Terrycloth Glove with FR Duck Cuff, Lined with 8 oz. Reversed Wool
Size: **Jumbo**



Denotes item in-stock for fast delivery

Heavy Duty Leather Foundry Gloves

There is no material more resistant to abrasion than leather. These gloves are super-durable and perfect for foundry work. Choose from many different lengths, styles, and materials.



DJXG465



14.75" Long, Straight Thumb Blue Leather Glove with Gray Leather Cuff & Thumb Strap, Wool Lined
Size: **Regular**



DJXG395



13" Long, Winged Thumb Aluminized Rayon Backed Glove with Leather Palm, Wool Lined Back/Cotton Lined Palm Side & Cuff Only
Size: **Regular**



G51MLLW14002



14" Long, Straight Thumb Aluminized Rayon Backed Glove with Leather Palm, Wool Lined
Size: **Large**



DJXG1788DBWLS



13" Long, Winged Thumb Aluminized Leather Backed Glove with Leather Palm & Extra Palm Insulation, Wool Lined
Size: **Regular**



DJXGSP382



13" Long, Winged Thumb Carbon Kevlar® Glove with Leather Palm & Aluminized Leather Finger Patch, Wool Lined
Size: **Regular**



DJXG705185XL



18.5" Long, Straight Thumb Aluminized Rayon Backed Glove, Thermal Leather Palm & Palm Patch, Snaps On Cuff, Wool Lined Palm/Cotton Lined Palm & Cuff
Size: **Long**

Hand Pads



P02TC818I



8" X 8" Thermobest Hand Pad



P86TC004

7" X 8" Thermobest Hand Pad with Finger Slot, Leather Lining Between Thermobest Layers



Denotes item in-stock for fast delivery

Mittens & Covers

For jobs that don't require as much dexterity, we offer a wide range of heat resistant mittens. On the bottom of the page, you'll find mitten covers, which can extend the life of the mitten and provide added protection.



M11TCVB13

13" Long, 22 oz. Thermobest Mitten, Lined with 12 oz. Wool
Size: **Regular**



M11TCRH14

14" Long, 22 oz. Thermobest Mitten with Lined with Heavy 15 oz. Reversed Wool
Size: **Regular**



M11TCVB13022

13" Long, 22 oz. Thermobest Mitten with Extra Insulation in Palm, Lined with 12 oz. Wool Size: **Regular**



M60ZPRH14010

14" Long, 40 oz. ZetexPlus® Mitten with Thumb & Palm Patch, Lined with Heavy 15 oz. Reversed Wool
Size: **Jumbo**



M52PCLW14002

14" Long, 45 oz. PBI/Kevlar® Mitten with Thermobest Cuff, Lined with 10 oz. Wool
Size: **Regular**



M60WHGH13012

13" Long, 48 oz. High-Temperature Fyberbest® Mitten, 8 oz. Nomex, Lined with 12 oz. Wool (Investment Casting)
Size: **Regular**

Mitten Covers



M10TCXX10

22 oz. Thermobest Mitten Cover for M11 & M19 Mittens



M10THXX10001

22 oz. Thermobest Mitten Cover for M11 & M19 Mittens with Nomex® Palm Patch




M59ZPXX10

40 oz. ZetexPlus® Mitten Cover for M60 Mittens



M59WHXX10

48 oz. High Temperature Fyberbest® Mitten Cover (Investment Casting)

 Denotes item in-stock for fast delivery

Aluminized Apparel Reference Guide

Adding an aluminized film to the outside of our flame resistant fabrics increases protection from radiant heat and molten metal splash. These garments are necessary in many high heat environments, such as when working near furnaces or in steel mills. National Safety Apparel is proud to present three new garment lines.



NSA Fusion is our premium aluminized Carbon Kevlar fabric. It's a Kevlar fiber blend wrapped around an oxidized PAN (OPF) core yarn. Fusion offers excellent durability, strength and molten metal splash resistance compared to traditional fabric construction.

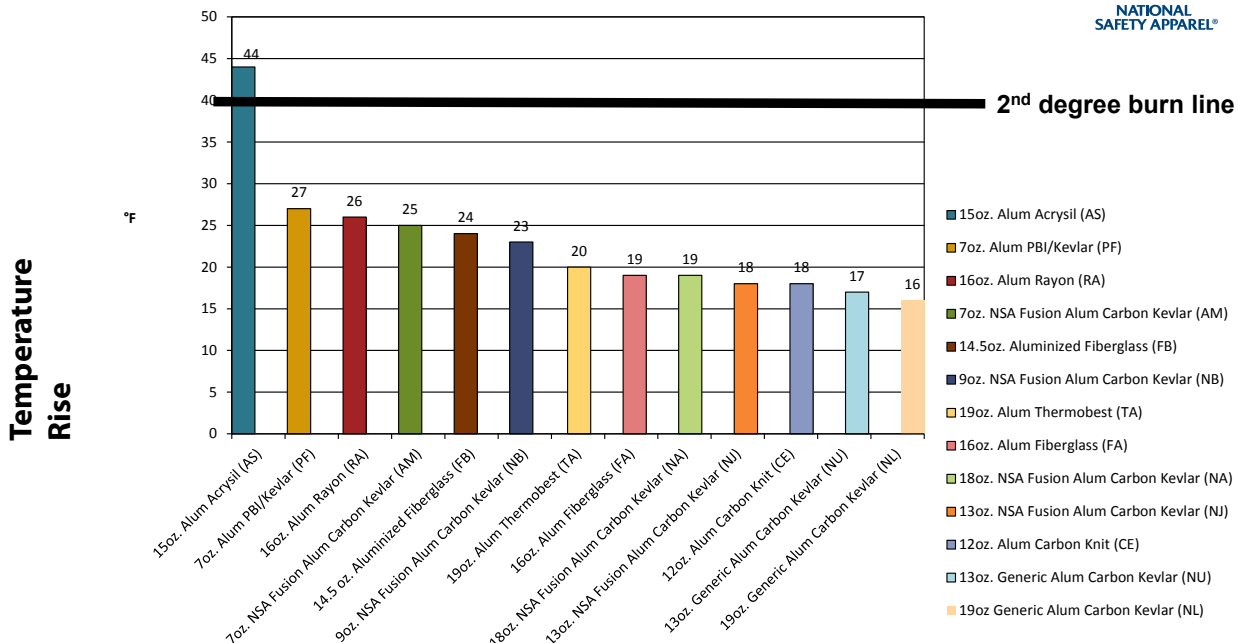
Molten Metal Resistance Test (ASTM F955)

To test for resistance to molten metal splash, 2.2 pounds (1 kg) of molten iron heated to 2850°F (1566°C) is poured from a height of 18 in. (46 cm) onto the fabric, which is positioned at a 70° angle. The temperature is recorded using a calorimeter.

Each material is tested three times, using two calorimeters for each test, yielding six total readings per material.

Listed in the chart below, you will find the average maximum temperature rise of these six readings for NSA's most popular materials. Smaller numbers indicate greater resistance to temperature change, providing stronger thermal protection.

ASTM F955 Test Results



Aluminized Apparel

Coats

Product Code	Description
C17AS__30	30" Long, 16 oz. Aluminized Acrysil Coat
 C17AS__50	50" Long, 16 oz. Aluminized Acrysil Coat
 C22NL__30	30" Long, Ventilated 19 oz. Aluminized Carbon/Para-Aramid Coat
 C22NL__45	45" Long, Ventilated 19 oz. Aluminized Carbon/Para-Aramid Coat
 C22NJ__45008	45" Long, Ventilated 13 oz. NSA Fusion Aluminized Carbon Kevlar® Coat, Green Sateen Back
C22CE__48134	48" Long, Ventilated 12 oz. Aluminized Carbon Knit Coat, Navy Carbon Twill Back, Kevlar® Knit Wrist

 Denotes item in-stock for fast delivery



C22NJ__45008






C22CE__48134



A02AS24I36I



Aprons

Product Code	Description
 A02AS24I36I	24" X 36" 16 oz. Aluminized Acrysil Bib Apron
 A02AS24I48I	24" X 48" 16 oz. Aluminized Acrysil Bib Apron
 A02NL24I36I	24" X 36" 19 oz. Aluminized Carbon/Para-Aramid Bib Apron

 Denotes item in-stock for fast delivery

Dashes (_) are reserved for garment size: SM, MD, LG, XL, 2X, 3X

Sleeves

Product Code	Description
 S02NJ18I	18" Long, 13 oz. NSA Fusion Aluminized Carbon Kevlar Sleeve with Snap Wrist Closure & Open Top
 S02NL18I	18" Long, 19 oz. Aluminized Carbon/Para-Aramid Sleeve with Snap Wrist Closure & Open Top

 Denotes item in-stock for fast delivery






S02NL18I



L09TATA__VCXX

L05NLNL__VCXX

Spats & Leggings




Product Code	Description
 L09TATA__VCXX	19 oz. Aluminized Thermobest Spat with Hook & Loop Closure (sizes RG, LG, and XL)
 L05TATA__VCXX	19 oz. Aluminized Thermobest Legging with Hook & Loop Closure (sizes RG, LG, and XL)
 L05NLNL__VCXX	19 oz. Aluminized Carbon/Para-Aramid Legging with Hook & Loop Closure (sizes RG, LG, and XL)



L40NLNL38I

T45NL__W32I

Chaps & Pants

Product Code	Description
 L40NLNL38I	Standard 19 oz. Aluminized Carbon/Para-Aramid Chaps with Aluminized Foot Flap (38" Long)
 L40NLNL40I	Standard 19 oz. Aluminized Carbon/Para-Aramid Chaps with Aluminized Foot Flap (40" Long)
 T45NL__W32I	19 oz. Aluminized Carbon/Para-Aramid Pants (32" Inseam)



H58TARG

Hoods & Faceshields

Product Code	Description
 H58TARG	Deluxe 19 oz. Aluminized Thermobest Hood with Ratchet Headgear & Gold Film Cover
 H58NLHG	Deluxe 19 oz. Aluminized Carbon/Para-Aramid Hood with Clips for Hard Hat, Gold Film Cover
 I ZWW	Replacement Faceshield (Clear)
 X04GE007I011I	Replacement Gold Film Cover

 Denotes item in-stock for fast delivery

Dashes (_) are reserved for garment size: SM, MD, LG, XL, 2X, 3X

Proximity Suits

NSA's thermal protection proximity suits are designed for maintenance repairs while working in extreme high heat areas such as furnaces. These aluminized clothing proximity suits are designed for ambient temperatures of no greater than **600°F**, with radiant heat protection up to **2950°F**. These proximity suits feature a unique Neoprene®-coated poly-cotton liner, which serves as an excellent thermal protective vapor barrier from hot liquids or steam.

Product Code	Description
C48FA__PXP	One-Piece Aluminized Fiberglass Lined Proximity Suit with Pouch
C82FA__PX	Two-Piece Aluminized Fiberglass Lined Proximity Suit (Coverall & Hood)
C46FA__PX	Three-Piece Aluminized Fiberglass Lined Proximity Suit (Coat, Pants & Hood)

Product Code	Description
C48PF__PXP	One-Piece 7 oz. Aluminized PBI/Kevlar® Lined Proximity Suit with Pouch
C82PF__PX	Two-Piece 7 oz. Aluminized PBI/Kevlar® Lined Proximity Suit (Coverall & Hood)
C46PF__PX	Three-Piece 7 oz. Aluminized PBI/Kevlar® Lined Proximity Suit (Coat, Pants & Hood)

Approach Suits

NSA's heat protection approach suits, while providing approximately 95 percent heat reflectivity, are unlined. The standard hard-hat style, fiberglass-shell headgear features a 7- by 11-inch panoramic window and a gold-film-covered window shield that locks on with an aluminum bracket. NSA's proximity and approach thermal protection aluminized clothing come in a variety of sizes and styles.

Product Code	Description
C82FA__AP	Two-Piece Aluminized Fiberglass Approach Suit (Coverall & Hood)
C46FA__AP	Three-Piece Aluminized Fiberglass Approach Suit (Coat, Pants & Hood)
C82PF__AP	Two-Piece Aluminized PBI/Kevlar® Approach Suit (Coverall & Hood)
C46PF__AP	Three-Piece Aluminized PBI/Kevlar® Approach Suit (Coat, Pants, & Hood)

Notes:

- **Radiant heat** is given off by a nearby heat source.
- **Ambient heat** is the surrounding temperature throughout an area.
- All aluminized approach and proximity suits come standard with aluminized gloves, aluminized overshoes, and gear bag.

Dashes (_) are reserved for garment size: SM, MD, LG, XL, 2X, 3X



C46FA__PX

Protective Apparel

NSA Stealth

Our high-tech NSA Stealth unique silicone coated garments offer superior molten metal and heat resistance in a stylish and flexible design.



Product Code	Description
C07RC__30BG	30" Long, 8 oz. NSA Stealth Coat
C07RZ__30BG	30" Long, 10 oz. NSA Stealth Coat
C22RZ__40X	40" Long, 10 oz. NSA Stealth Deluxe Ventilated Coat with Double Layer Sleeve and Front, Orange UltraSoft® Back, Reflective Silver Striping





C22RZ__40X

C07RC__30BG

Wool Coats & Pants




Wool is a natural fabric that is inherently flame resistant, and provides great insulation. This makes it an ideal fabric for use in steel production, which can take place in cold, open refineries, or outdoors.

Product Code	Description
 C09WL__30	30" Long, 32 oz./ly Navy Blue Wool Coat
 C09WN__30	30" Long, 32 oz./ly Heather Grey Wool Coat
T45WL__W32I	32" Inseam, 32 oz./ly Navy Blue Wool Pants
T45WN__W32I	32" Inseam, 32 oz./ly Heather Grey Wool Pants

 Denotes item in-stock for fast delivery



Sleeves

Product Code	Description
 S02GRRG00	18" Long, 9 oz. FR Green Sateen Sleeve with Blue Elastic on Both Ends
 S02TWRG00	18" Long, 8.5 oz. Tuffweld Sleeve with Blue Elastic on Both Ends
 S00KN18I	18" Long, Two-Ply Kevlar® Knit Sleeve
 S00KN18I03	18" Long, Two-Ply Kevlar® Knit Sleeve with Thumbhole

 Denotes item in-stock for fast delivery



S02GRRG00



S02TWRG00



S00KN18I



S00KN18I03

Dashes (_) are reserved for garment size: SM, MD, LG, XL, 2X, 3X

Head and Neck Protection

For thermal protection around your head and neck, we offer a vast number of flame resistant balaclavas in various materials.

Create a custom balaclava! Contact customer service for information.



H11RY

Navy UltraSoft® Knit Hood
(12 cal/cm²)



H11BA

Navy Modacrylic Blend Knit Hood (12 cal/cm²)



H11MI

Khaki Modacrylic Blend Knit Hood (12 cal/cm²)



H85FK

FR Control 2.0™ Knit Hood
(4.0 cal/cm²)



H12NK

Single Layer Nomex® Knit Hood (Short Style)



H31LK

Double Layer Nomex®/Rayon Top with Single Layer Bib Knit Hood



H31NK

Double Layer Nomex® Top with Single Layer Bib Knit Hood



H30NK

Double Layer Nomex® Top with Single Layer Bib (Half-Face Opening) Knit Hood




H67NK

Double Layer Nomex® Top with Single Layer Bib (Elastic Face Opening, Smaller Cut) Knit Hood



H18CX

Double Layer Carbon-X® Knit Hood with Shoulder Gussets (23 cal/cm²)

 Denotes item in-stock for fast delivery



H25CX

Double Layer Carbon-X®
Knit Hood (Wider Cut)
(23 cal/cm²)



H31PK

Double Layer PBI Top with
Single Layer Bib Knit Hood



H31KK

Double Layer Kevlar® Top
with Single Layer Bib Knit
Hood



H61NK

White Nomex® Double Layer
Knit Hood **(10 cal/cm²)**



H61MH

Double Layer Modacrylic/
Nomex® Knit Hood
(15 cal/cm²)



H61RK

Double Layer Carbon
Para-Aramid Knit Hood
(27 cal/cm²)



H41NK



Triple Layer Nomex® Top
with Eye Holes, Single Layer
Bib Knit Hood




H43NK

Triple Layer Nomex® Top
with Small Eye Holes,
Double Layer Bib Knit Hood

Tallyhood & Neck Protector

Product Code	Description
 H74GW001	12 oz. FR Green Twill Tallyhood with Hook & Loop Closure
 H01GR003	9 oz. FR Green Sateen Neck Protector with Elastic Attachment over Hard Hat

 Denotes item in-stock for fast delivery



H74GW001



H01GR003

Cryogen Apparel

NSA's cryogenic gloves and aprons provide excellent hand and body protection when handling ultra-cold materials and containers. The gloves are available in several cuff lengths, from a short wrist cuff to a full hand-to-shoulder length.

Features

- Available in sizes Small (8), Medium (9), Large (10), and Extra Large (11)
- Waterproof gloves include a special waterproof liner for extra hand protection

Note: Gloves are not for immersion in liquid cryogenics.

Water Resistant Gloves

	Product Code	Description
	G99CRBEWR__R	Wrist Standard Cryogenic Gloves
	G99CRBEMA__R	Mid-Arm Standard Cryogenic Gloves
	G99CRBEEL__R	Elbow Standard Cryogenic Gloves
	G99CRBESH__R	Shoulder Standard Cryogenic Gloves

 Denotes item in-stock for fast delivery







Meets Standards:

EN 511 Contact Cold Performance - Level 2
EN 511 Convective Cold Performance - Level 3



Waterproof Lined Gloves

	Product Code	Description
	G99CRBEMA__P	Mid-Arm Cryogenic Gloves with 100% Waterproof Liner
	G99CRBEEL__P	Elbow Cryogenic Gloves with 100% Waterproof Liner
	G99CRBESH__P	Shoulder Cryogenic Gloves with 100% Waterproof Liner

 Denotes item in-stock for fast delivery

Meets Standards:

EN 511 Contact Cold Performance - Level 2
EN 511 Convective Cold Performance - Level 3
Passed IFTH Reference Method ZL0102 for immersion in Liquid Nitrogen (Institut France de Textile l'Habillement)






Dashes (__) are reserved for garment size: SM, MD, LG, XL

Cryogenic Gloves with SaferGrip™

Waterproof SaferGrip gloves provide the same great protection as our standard waterproof cryogenic gloves, plus a specially designed silicone-coated material in the palm for enhanced grip and durability.

SAFERGRIP™



Product Code	Description
 G99CRSGMA__P	Mid-Arm Cryogenic Gloves with SaferGrip™ Palm and 100% Waterproof Liner
 G99CRSGEL__P	Elbow Cryogenic Gloves with SaferGrip™ Palm and 100% Waterproof Liner
 G99CRSGSH__P	Shoulder Cryogenic Gloves with SaferGrip™ Palm and 100% Waterproof Liner

 Denotes item in-stock for fast delivery



Meets Standards:

EN 511 Contact Cold Performance - Level 2
 EN 511 Convective Cold Performance - Level 3
 Passed IFTH Reference Method ZL0102 for immersion in Liquid Nitrogen (Institut France de Textile l'Habillement)

Aprons

SaferGrip™ Palm

Our cryogenic aprons are made from the same cold- and splash-resistant material as our gloves, and feature adjustable straps and strong plastic clips around the neck and torso. We stock the 36 inch, 42 inch, and 48 inch length aprons, and other custom lengths are available as well.




Note: Not for immersion in liquid cryogenics.



A02CR24I36IC

A02CR24I42IC

A02CR24I48IC

Product Code	Description
 A02CR24I36IC	24" X 36" Cryogenic Apron
 A02CR24I42IC	24" X 42" Cryogenic Apron
 A02CR24I48IC	24" X 48" Cryogenic Apron

 Denotes item in-stock for fast delivery



Meets Standards:

EN 511 Contact Cold Performance - Level 2
 EN 511 Convective Cold Performance - Level 3

Dashes (_ _) are reserved for garment size: SM, MD, LG, XL

Cut Protection



Cut Protection Reference Guide

This section features our cut and tear resistant garments that protect the arms, hands, neck, and torso from dangerously sharp edges. Some of the industries that need these items include automotive, glass manufacturing, sheet metal production, metal stamping, and solar panel manufacturing.

Cut Levels Explained

To measure the effectiveness of a cut protection garment, the American National Standards Institute (ANSI) teamed up with the International Safety Equipment Association (ISEA) to define different levels of resistance.

The garments are put through rigorous and repetitive attempts to cut, puncture, and wear down a testing spot. This is done in order to see how the fabric stands up to increasing amounts of pressure.

Below, you will find the benchmarks that a material must meet to fall into each category.

Cut Protection		Puncture Protection		Abrasion Protection	
Level	Weight (g) needed to cut through material with 25mm of blade travel	Level	Puncture (newtons)	Level (tested at 500g load)	Abrasion cycles to fail
0	<200	0	<10	0	<100
1	200-499	1	10-19	1	100-499
2	500-999	2	20-59	2	500-999
3	1000-1499	3	60-99	3	≥1000
4	1500-3499	4	100-149	Level (tested at 1000g load)	
5	≥3500	5	≥150	4	≥3000
				5	≥10000
				6	≥20000

Throughout this section of the catalog, you will find the cut, abrasion, and puncture ratings of each item located in a table like this:

ANSI/ISEA-2011	
Cut	4
Puncture	5
Abrasion	2

This table tells you the performance level when tested to ANSI/ISEA standards.

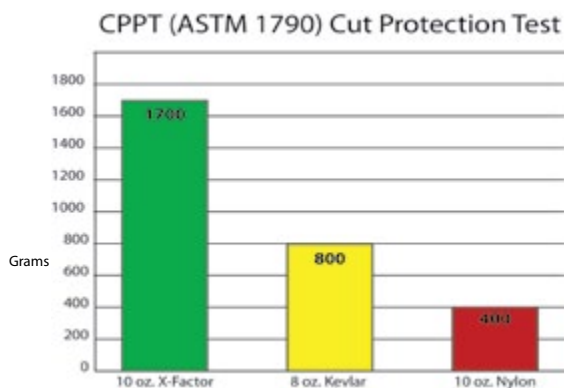
Note: Eyeleted garments have a cut protection entry of N/A, because they cannot be cut using the ASTM F1790 test apparatus.

X-Factor™

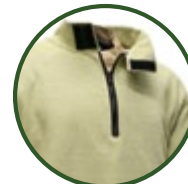
The X-Factor™ line of sweatshirts is our latest innovation in the cut protection industry. The garments are powered by X13™ yarn engineered to deliver superior performance, comfort, and protection.

This unique design wicks away moisture, keeping you cool and comfortable. X-Factor™ provides high cut protection, testing to 1700 grams in the ASTM 1790 test method.

Product Code	Description
C54CH__TN	X-Factor™ Mock Turtleneck Sweatshirt
C21CH__HZ	X-Factor™ Half-Zip Sweatshirt
C21CH__06	X-Factor™ Full-Zip Sweatshirt
H01CH016VC	X-Factor™ Dickey Neck Protector
H01CH117	X-Factor™ Removable Neck Protector



ANSI/ISEA-2011	
Cut	4
Puncture	3
Abrasion	2



C21CH__HZ



H01CH016VC



H01CH117









C21CH__TN

Eyelets

We use eyelets in some varieties of our cut protection jackets for added protection. While unable to be tested, the metal eyelets are a great option for handling sheet metal or glass, and they provide additional breathability.

Surgeon Style Coat Ensemble

Product Code	Description
 C28KVMD33	Surgeon-Style Eyeleted Kevlar® Twill Jacket, Size: Medium - 33" Sleeve
 C28KVLG33	Surgeon-Style Eyeleted Kevlar® Twill Jacket, Size: Large - 33" Sleeve
 C28KVLG36	Surgeon-Style Eyeleted Kevlar® Twill Jacket, Size: Large - 36" Sleeve
 C28KVXL39	Surgeon-Style Eyeleted Kevlar® Twill Jacket, Size: XLarge - 39" Sleeve
 A03TC24I26I01	24" x 26" Split Leg Thermobest® Apron (Attaches to C28KV Jackets)
 A06TC16I18I	16" x 18" Replacement Thermobest® Patch with Hook & Loop (attaches to A03TC apron)

 Denotes item in-stock for fast delivery



C28KVLG36



ANSI/ISEA-2011	
Cut	5
Puncture	4
Abrasion	4



Snap to Eyeleted Jacket

ANSI/ISEA-2011	
Cut	N/A
Puncture	5
Abrasion	2




A03TC24I26I01

Dashes (_ _) are reserved for garment size: SM, MD, LG, XL, 2X, 3X



Eyeleted Jackets

Product Code	Description
 C32KV__001	Eyeleted Kevlar® Twill Half-Jacket
C35KV__001	Eyeleted Kevlar® Twill Eisenhower Jacket
C35KV__04429	Eyeleted Kevlar® Twill Eisenhower Jacket with White Mesh Back (29" Sleeve Length)



C32KV__001



C35KV__04429



ANSI/ISEA-2011

Cut	N/A
Puncture	5
Abrasion	2




A02KV24I36I

ANSI/ISEA-2011

Cut	2
Puncture	4
Abrasion	2

Aprons

Product Code	Description
 A02KV24I36I	24" x 36" Kevlar® Twill Bib Apron
A01KV24I30I	24" x 30" Kevlar® Twill Waist Apron
A03KV24I30I	24" x 30" Kevlar® Twill Split-Leg Waist Apron
A04KV24I42I	24" x 42" Kevlar® Twill Split-Leg Bib Apron




L49TC3401



Leather patch side pocket

Chaps & Leggings

Product Code	Description
 L49TC3401	Standard Thermobest® Chap with Eyeleted Kevlar® Twill Calf, 34" Long (Thermobest® Patch Included)
A06TC16I24I	16" x 24" Thermobest® Patch with Snaps (Attaches to L49TC Chap)



Denotes item in-stock for fast delivery

ANSI/ISEA-2011

Cut	5
Puncture	4
Abrasion	4

22 oz. Thermobest® Apron & Patch

ANSI/ISEA-2011






Cut	N/A
Puncture	5
Abrasion	2

8 oz. Kevlar® Calf

Dashes (_) are reserved for garment size: SM, MD, LG, XL, 2X, 3X



Sleeves

Product Code	Description
 S00KN18I03	18" Long, Two-Ply Kevlar® Knit Sleeve with Thumbhole
 S02KXRG01	20" Long, Kevlar® Armor Twill Sleeve with Blue Elastic and Kevlar® Knit Wrist
 S02KXLG01	23" Long, Kevlar® Armor Twill Sleeve with Blue Elastic and Kevlar® Knit Wrist
 S02KYRG01	20" Long, Kevlar® Mesh Sleeve with Blue Elastic and Kevlar® Knit Wrist
 S02KYL01	23" Long, Kevlar® Mesh Sleeve with Blue Elastic and Kevlar® Knit Wrist

KEVLAR®
DUPONT



S00KN18I03



S02KX







ANSI/ISEA-2011	
Cut	4
Puncture	5
Abrasion	2




S02KY

ANSI/ISEA-2011	
Cut	2

Shoulder Cap Sleeves

Product Code	Description
 S30KV25I	25" Long, Eyeleted Kevlar® Twill Shoulder Cap Sleeve
 S30KV27I	27" Long, Eyeleted Kevlar® Twill Shoulder Cap Sleeve
 S30KV29I	29" Long, Eyeleted Kevlar® Twill Shoulder Cap Sleeve
 S30KV31I	31" Long, Eyeleted Kevlar® Twill Shoulder Cap Sleeve
 S31MP29I32	29" Long, White Cane Mesh Cap Sleeve with Leather Reinforcement Strips
 X0609I	Replacement 9" Alligator Clips

 Denotes item in-stock for fast delivery

KEVLAR®
DUPONT



S30KV29I

ANSI/ISEA-2011	
Cut	N/A
Puncture	5
Abrasion	2



S31MP29I32




ANSI/ISEA-2011	
Cut	4
Puncture	3
Abrasion	2



Cut Protection

Wristlets

Product Code	Description
 S01MZ7I__	7" Long, Two-Ply White Poly Mesh Wristlet
 S01MZ9I__	9" Long, Two-Ply White Poly Mesh Wristlet
 S01MC7I__	7" Long, Two-Ply Black Poly Mesh Wristlet
 S01MC9I__	9" Long, Two-Ply Black Poly Mesh Wristlet
 S04MP08WV	9 1/2" Long, White Poly Mesh Wristlet with Thumbhole (Wider Hook & Loop Style)

 Denotes item in-stock for fast delivery



S04MP08WV

ANSI/ISEA-2011	
Cut	4
Puncture	3
Abrasion	2



S01MZ





S01MC







S01KX

ANSI/ISEA-2011	
Cut	4
Puncture	5
Abrasion	2

Product Code	Description
 S01KX7I__S	7" Long, Single-Ply Kevlar® Armor Twill Wristlet
 S01KX9I__S	9" Long, Single-Ply Kevlar® Armor Twill Wristlet

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Product Code	Description
 S04KV8I4I01	4" x 8" Double-Layer Kevlar® Twill Wristlet with Thumbhole, Size: Small
 S04KV9I4I01	4" x 9" Double-Layer Kevlar® Twill Wristlet with Thumbhole, Size: Medium
 S04KV10I4I01	4" x 10" Double-Layer Kevlar® Twill Wristlet with Thumbhole, Size: Large
 S04KV11I4I01	4" x 11" Double-Layer Kevlar® Twill Wristlet with Thumbhole, Size: XLarge


KEVLAR
DUPONT



S04KV

ANSI/ISEA-2011	
Cut	4
Puncture	5
Abrasion	2

Gloves

Product Code	Description
 DGCG3732EX	Latex Coated Cotton Glove with Extended Gauntlet Cuff, Size: Regular

 Denotes item in-stock for fast delivery



DGCG3732EX

Dashes (_) are reserved for garment size: MD, LG, XL








PVC Chemical Clothing

PVC, or polyvinyl chloride, offers excellent resistance to most acids*. Our PVC hoods protect your head, neck, and shoulders from chemical splash without compromising visibility.

*List of chemicals available upon request.

Product Code	Description
 H57GV001	Green PVC Hood with Ratchet Headgear
 H30GV001	Green PVC Hood (Fits Over Hard Hat)

 Denotes item in-stock for fast delivery



H57GV001



H30GV001

Equipment Covers & Bellow Boots

National Safety Apparel's equipment covers and bellow boots are designed to protect machinery from heat, dust, chemicals, or residue. They are a great way to protect moving parts, and are all custom made to your exact specifications. Contact customer service for a customization request form.

Product Code	Description
B01/B02	Bellow Boots & Equipment Covers Offered in a Variety of Materials to your Specifications



Roll Cloth

We have the unique ability to supply you with roll cloth in a wide range of materials for covering larger areas from potential hazards. We also make blankets and safety curtains. Contact customer service for a customization request form.

Product Code	Description
IS SC36	18 oz. Silica (37" Wide Roll)
IS SD36	36 oz. Silica (37" Wide Roll)
IF WG40	32 oz. Orange Weldguard (40" Wide Roll)
IF GF60	20 oz. GoldenGlass (60" Wide Roll)
IF FI60	35 oz. Vextra (Treated Fiberglass) (60" Wide Roll)
IT TC60	22 oz. Thermobest® (60" Wide Roll)
IQ PR60	22 oz. PBI/Kevlar® (60" Wide Roll)
IC GR60	9 oz. FR Green Sateen (60" Wide Roll)
IC GW60	12 oz. FR Ranger Twill (60" Wide Roll)
IF FA60	16 oz. Aluminized Fiberglass (60" Wide x 60 Yard Long Roll)
IZ AS60	16 oz. Aluminized Acrysil (60" Wide Roll)
IT TA40	19 oz Aluminized Thermobest® (40" Wide Roll)
IN NJ40	13 oz. Aluminized Carbon Kevlar® (40" Wide Roll)
IN NA40	18 oz. Aluminized Carbon Kevlar® (40" Wide Roll)



Sizing Charts

Below, you will find sizing charts for a sampling of NSA garments to help choose the right size garment.

The measurements shown in each chart represent the **dimensions of the garment** itself. Different types of garments require different fits, and we make our FR protective apparel fit properly according to its use and what other layers might be worn underneath.

Knit (C54) and Woven Shirt (SHR):	4 inches of additional chest room
Sweatshirt (C21), Lab Coat (C09):	8 inches of additional chest room
Bib Overall (C45):	8-10 inches of additional waist room
Coverall (C88):	10-12 inches of additional chest room
Outerwear (C18, C34), Arc Flash Coat (C04):	12 inches of additional chest room

Work Shirt (SHR__ __RG) Sizing Chart

Size	SM	MD	LG	XL	2X	3X	4X	5X
Chest	42"	46"	50"	54"	58"	62"	66"	70"
Sleeve Length	32"	33"	34.5"	35.5"	36.5"	37.5"	38.5"	39.5"

Work Pant (PNT__X__) Sizing Chart

Waist Size Ordered	30"	32"	34"	36"	38"	40"	42"	44"
Actual Garment Waist Measurement	31.5"	33.5"	35.5"	37.5"	39.5"	41.5"	43.5"	45.5"

Coverall (C88) Sizing Chart

Size	SM	MD	LG	XL	2X	3X	4X	5X
Chest	42"	46"	50"	54"	58"	62"	66"	70"
Sleeve Length	34.5"	35"	35.5"	36"	36.5"	37"	37.5"	38"
Relaxed Waist	37.5"	39.5"	41.5"	43.5"	45.5"	49.5"	51.5"	53.5"

Note: Relaxed waist is the measurement of the garment with unstretched elastic.

Short Coat (C04) Sizing Chart

Size	SM	MD	LG	XL	2X	3X	4X	5X
Chest	49"	52"	55"	58"	61"	64"	67"	70"
Sleeve Length*	32"	33"	34"	35"	36"	36"	37"	37"

Note: Sleeve length does not include knit wrist.

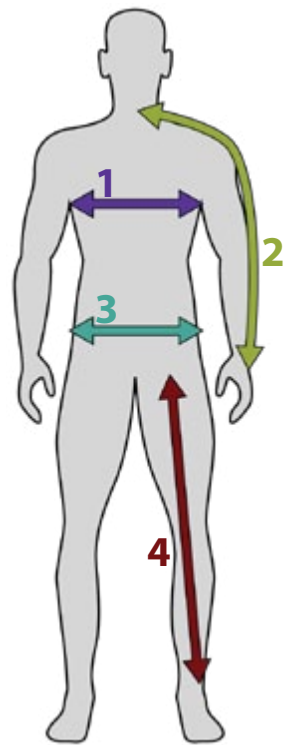
Bib Overall (C45) Sizing Chart

Size	SM	MD	LG	XL	2X	3X	4X	5X
Waist	37"	41"	45"	49"	53"	57"	61"	65"

Note: Standard inseam lengths are 28", 30" and 32".



1. **Chest:** Measure around fullest part of the chest with arms down.
2. **Sleeve:** With elbow slightly bent, measure from center of neck to elbow and down to the wrist bone.
3. **Waist:** Measure around the natural waist line.
4. **Inseam:** Measure from crotch seam to the top of the heel, or where the bottom hem should fall.



Sweatshirt (C21) Sizing Chart

Size	SM	MD	LG	XL	2X	3X	4X	5X
Chest	47"	51"	55"	59"	63"	67"	71"	75"
Sleeve Length	37"	37.5"	38"	38.5"	39"	39.5"	40"	40"

Lab Coat (C09) Sizing Chart

Size	SM	MD	LG	XL	2X	3X	4X	5X
Chest	43"	47"	51"	55"	59"	63"	67"	71"
Sleeve Length	35"	35.5"	36"	36.5"	37"	37.5"	38"	38.5"

Knit Shirt (C54) Sizing Chart

Size	SM	MD	LG	XL	2X	3X	4X	5X
Chest	40"	44"	48"	52"	56"	60"	64"	68"

Care Instructions

Proper cleaning and care of your NSA garments will ensure maximum effectiveness and long wear life. Following are laundering guidelines for some of our most popular materials. For further details, or for care instructions of materials not listed below, please contact your NSA customer service team.



Machine-Wash Items

Many materials that NSA uses can be machine washed and dried. These should be washed with like materials. Please contact your NSA representative for details. Detailed instructions can be found on the care tag sewn inside the individual garments.



Do-Not-Launder Items

Some materials cannot be machine-washed. For these items, use a damp sponge or cloth and mild soap to wipe the garment clean. Let the fabric air dry after wiping. These materials include aluminized fabrics, leather, PVC, and Thermobest.

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