



FR CLOTHING

TOUGH EVERYDAY WORKWEAR

WHAT'S IN OUR FR CATALOG?

FR COVERALLS

Choose from a variety of materials such as Nomex®, FR Cotton, or Springfield DH. Coverall styles range from standard to vented back, and with or without reflective trim

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WORK CLOTHING

Look great and be comfortable in Lakeland work shirts and pants, denims, and "hi-vis" clothing. Choose from standard or vented back styles.

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OUTER WEAR

Outdoor work environments can be a challenge. Hoodies, Duck Wear and Insulated Clothing will keep you safe and warm, no matter what Mother Nature dishes out.

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FR/ARC RAINWEAR

ANSI Certified, ASTM Arc and Flash Fire Rated for Electric and Gas Applications. Lakeland's Polyurethane rain wear is superior to PVC.

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FR ACCESSORIES

Make sure you are seen and safe with our FR accessories. FR Modacrylic vests and more keep you safe and sound on the job.

26

FR DISPOSABLES

Keep your FR Coverall clean and functioning properly with a layer of protection from a disposable coverall. Lakeland's Pyrolon® family of FR disposables will do the trick nicely.

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QUICKLY IDENTIFY CERTIFICATIONS AND PROTECTION LEVELS!



HRC is now CAT

NFPA 70E 2015 has changed Hazard Risk Categories (HRC) to PPE Categories (CAT). If you are searching for a products HRC value you will now find it list as a CAT value.



PPE Category as defined by NFPA 70E 2015

- CAT 1 meets required min. arc rating: 4 cal/cm2
- CAT 2 meets required min. arc rating: 8 cal/cm2
- CAT 3 meets required min. arc rating: 25 cal/cm2
- CAT 4 meets required min. arc rating: 40 cal/cm2



NFPA 2112 / UL Certified

Garment is certified by UL to meet the requirements of NFPA 2112 Standard on Flame Resistant Garments for Protection Of Industrial Personnel Against Flash Fire, 2012 edition.



Garment complies with either the class 2 or class 3 requirements for high-visibility standard as outlined in ANSI107-2010

WHAT MAKES A GOOD COVERALL?

Pleated Shoulders to make sure you can reach and move as freely as you need to



NFPA 2112, UL Certified Vented Back versions available for those uncomfortably hot jobs

Easily Identify the protection level the garment offers

All Snaps and Zippers covered by FR fabric

Elastic Waist for a more comfortable fit

Pass Through Pockets let you easily access undergarments

Reflectivity Options to help you be seen at the worksite

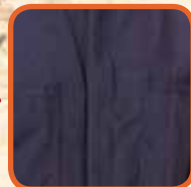


Protect Your People™



FR COVERALLS

TOUGH, NO NONSENSE TAKE-A-BEATING WORK GEAR



Covered snap closures



Pocket labeling helps you quickly identify garment standards!



Two hip pockets – snap closure on left pocket

Pleated bi-swing back gives superior freedom of movement, while the elastic waist provides better comfort!

C065DH

6.5 oz. Westex® DH FR Coverall



ATPV: 8.9 Cal/cm²

Maximum Protection!

- 6.5 oz. lightweight inherently FR fabric
- Excellent breathability
- FR protection cannot be washed out or worn away
- Optimized moisture management

Maximum Features!

- Pleated bi-swing back gives superior freedom of movement
- Elastic waist provides better comfort
- All exposed metal next to skin (snaps, etc.) are FR fabric covered for maximum protection
- Sewn throughout with FR thread
- Two patch breast pockets, left chest pocket has a pen slot
- Heavy duty, two-way quick release brass zipper
- Two hip pockets with a snap closure on the left hip pocket
- Two swing pockets with internal pass-thrus
- Utility pocket on right leg
- Adjustable sleeve cuffs

Fabric: 6.5 oz. Westex® DH, inherently FR fabric

Sizes: 36 to 66, Talls also available

Colors: Navy, Khaki, Royal Blue, Orange and Safety Yellow



Meets the performance requirements of NFPA 70E and ASTM F1506-08.

Acceptable for use in occupations covered by OSHA Final Rule 1910.269

 Westex® DH



C010

C020

C010/C020

DuPont™ Nomex® IIIA Coveralls

- 2 chest patch pockets
- Pleated bi-swing back with elastic waistband
- Heavy duty 2-way zipper
- Utility pocket on right leg
- Adjustable sleeve cuffs
- Hip pockets with snap closure on left pocket
- Exact chest sizing

C010 – 4.5 oz. DuPont™ Nomex® IIIA



ATPV: 4.6 cal/cm²

Sizes: 36 to 66, Talls also available

Colors: Navy and Khaki



C020 – 6.0 oz. DuPont™ Nomex® IIIA



ATPV: 5.6 cal/cm²

Sizes: 36 to 66, Talls also available

Colors: Navy and Orange





**TSP010L Tecasafe® Plus
ANSI Class 3 FR Coverall**



ATPV: 8.4 cal/cm²
Meets ANSI 107-2010 Class 3
Meets ASTM F1506

- Tecasafe® Plus 7 oz. FR fabric
- Chest, seat and swing pockets
- 2" - 3M™ Scotchlite™ Reflective Material
- Zipper front closure
- Adjustable wrists
- 16" zippered boot openings

Sizes: Small – 6XL, Talls also available

Colors: Lime Yellow



3M | **Scotchlite™**
Reflective Material

TSP010L



NC070FRC

NC070FRCRT

NC070FRC/NC070FRCRT

7 oz. FR Cotton Coverall



Fabric: 7 oz. 100% FR cotton twill

ATPV: 9.8 Cal/cm²

Meets ASTM F1506

Maximum Protection!

- Pleated bi-swing back gives superior freedom of movement
- Elastic waist provides better comfort
- All exposed metal next to skin (snaps, etc.) are FR fabric covered for maximum protection
- Sewn throughout with FR thread
- "RT" style has 2" 3M Scotchlite Reflective Material

Maximum Features and Value!

- Two patch breast pockets, left chest pocket has a pen slot
- Heavy duty, two-way quick release brass zipper
- Two hip pockets with a snap closure on the left hip pocket
- Two swing pockets with internal pass-thrus
- Utility pocket on right leg
- Adjustable sleeve cuffs
- Pre-shrunk fabric

Sizes: Small – 5XL, Talls also available

Colors: Navy, Khaki and Gray





C071

C071RT

Style C071/C071RT
7 oz. FR Cotton Coverall



Fabric: 7 oz. 88/12 FR Cotton
ATPV: 8.9 cal/cm²

Features Include:

- Flared leg cuffs
- Pleated back with elastic waist
- 7 pockets
- Adjustable sleeve cuffs
- Sewn throughout with FR thread
- "RT" style has 2" silver reflective triple trim for greater visibility
- Pre-shrunk fabric

Sizes: Small – 6XL, Talls also available

Colors: Navy, Khaki and Gray





C081



C081RT

Style C081/C081RT
9 oz. FR Cotton Coverall



Fabric: 9 oz. 100% FR cotton
ATPV: 12.4 cal/cm²

Features Include:

- Flared leg cuffs
- Pleated back with elastic waist
- 7 Pockets
- Adjustable sleeve cuffs
- Sewn throughout with FR thread
- "RT" style has 2" silver reflective triple trim for greater visibility
- Pre-shrunk fabric

Sizes: Small – 6XL, Talls also available

Colors: Navy, Khaki, Gray and Orange
(C081RT not available in Orange)





C071V20

C071V20
Vented-Back FR Coverall



Fabric: 7.0 oz. 88/12 FR Cotton
ATPV: 8.9 cal/cm²

- Aramid mesh vented back
- Flared leg cuffs
- Two zippered chest pockets
- Elasticized waistband
- Two swing pockets with safety pass-thru
- Pre-shrunk fabric

Sizes: Small – 5XL
Color: Khaki



NCO71V

NCO71V
2112 - Certified Vented Back FR Coverall



Fabric: 7.0 oz. 88/12 FR Cotton
ATPV: 8.9 cal/cm²

- Aramid mesh vented back
- Flared leg cuffs
- Two zippered chest pockets
- Elasticized waistband
- Two swing pockets with safety pass-thru
- Pre-shrunk fabric

Sizes: Small – 5XL
Color: Khaki and Gray





FR CLOTHING

EVERY DAY WEAR TO PROTECT



ISH720 / NISH720

ISH720 Khaki Industrial Shirt



Fabric: 7 oz. Fyrban 88/12
ATPV: 8.9 cal/cm²

- Button down collar
- Button front closure with placket front
- Two ply yoke
- Two chest pockets with button flap closure, left pocket with pen slot,
- Long rounded tail, long sleeve with button cuffs

Sizes: Small – 5XL

Color: Khaki



NISH720 2112 - Certified Khaki Industrial Shirt



Fabric: 7 oz. Fyrban 88/12
ATPV: 8.9 cal/cm²

- Button down collar
- Button front closure with placket front
- Two ply yoke
- Two chest pockets with button flap closure, left pocket with pen slot,
- Long rounded tail, long sleeve with button cuffs

Sizes: Small – 5XL

Color: Khaki



NISH7VB

NISH7VB 2112 - Certified Vented-Back FR Shirt



Fabric: 7 oz. Fyrban 88/12
ATPV: 8.9 cal/cm²

- Aramid mesh vented back
- Button down collar
- Long sleeve with button cuffs
- Two chest pockets
- Long rounded tail

Sizes: Small – 5XL

Color: Khaki and Gray





NISH70RT

**NISH70RT
2112 - Certified Khaki Industrial Shirt**



Fabric: 7 oz. Fyrban 88/12
ATPV: 8.9 cal/cm²

- Button down collar
- Button front closure with placket front
- Two ply yoke
- Two chest pockets with button flap closure, left pocket with pen slot,
- Long rounded tail, long sleeve with button cuffs
- 1" - 3M™ Scotchlite™ Reflective Material around arms and mid-section

Sizes: Small – 5XL

Color: Khaki and Gray



**NISH70RTVB
2112 - Certified Vented-Back FR Shirt**



Fabric: 7 oz. Fyrban 88/12
ATPV: 8.9 cal/cm²

- Aramid mesh vented back
- Button down collar
- Long sleeve with button cuffs
- Two chest pockets
- Long rounded tail
- 1" - 3M™ Scotchlite™ Reflective Material around arms and mid-section

Sizes: Small – 5XL

Color: Khaki and Gray



NISH70RTVB





NIPT713

NIPT713
2112 - Certified Industrial Pants



Fabric: 7 oz. Fyrban 88/12
ATPV: 8.9

- Button fly with self locking brass zipper
- Seven belt loops
- Two front pockets bar tacked at the bottom of the pocket
- Two welt hip pockets
- Lintrack® permanent creases
- Left pocket with button closure
- Un-hemmed inseam is 37 inches



IDDJ1413

IDDJ1413
Industrial Denim Jean Pants



Fabric: 14 oz. FR denim cotton
ATPV: 19.5

- Unique feature! Lintrack® permanent creases!
- Two front scoop pockets, right has watch pocket
- Two patch style hip pockets
- Button fly with self-locking brass zipper
- Seven belt loops
- Un-hemmed inseam is 37 inches



S-FRJ0653L



T-FRJ0513L



3M™ Scotchlite™
Reflective Material
– Segmented Trim

S-FRJ0653L
Class 3 FR Henley



Fabric: 3012 modacrylic jersey knit
EBT: 10 cal/cm²
Meets ANSI 107-2010, Class 3
Meets ASTM F1506

- Cotton plated inside
- Henley style, 3 button front, long sleeve
- 3M™ Scotchlite™ Reflective Material – Segmented Trim

Sizes: S-6XL

Color: Lime/Yellow



T-FRJ0513L
Crew Neck Class 3 FR Knit Shirt



Fabric: 3012 modacrylic jersey knit
EBT: 10 cal/cm²
Meets ANSI 107-2010, Class 3
Meets ASTM F1506

- Long sleeves
- Cotton plated inside
- Crew ribbed collar and cuffs
- 2" - 3M™ Scotchlite™ Reflective Material

Sizes: S-6XL

Color: Lime/Yellow





T-FRJ0713L

T-FRJ0713L
Crew Neck Class 3 FR Tee Shirt



Fabric: 3012 modacrylic jersey knit

EBT: 10 cal/cm²

Meets ANSI 107-2010, Class 3

Meets ASTM F1506

- Short sleeves
- Cotton plated inside
- Crew ribbed collar
- 2" - 3M™ Scotchlite™ Reflective Material

Sizes: M-6XL

Color: Lime/Yellow



3M | **Scotchlite™**
 Reflective Material



FR OUTERWEAR

COLD WEATHER GEAR THAT MOTHER NATURE CAN'T BEAT



IP08RT13



IC08RT13



IB08RT13

IP08RT13 Insulated Parka

IB08RT13 Insulated Bib Overalls



ATPV: 55 cal/cm², CAT 4

Outer-shell: 9.0 oz. pre-shrunk FR cotton treated with a water repellent finish.

Liner: 9 oz. FR cotton batting quilted to 7.7 oz. pre-shrunk FR cotton with a polyurethane wind barrier.

Meets the performance requirements of NFPA 70E current edition and ASTM F1506-08. Acceptable for use in occupations covered by OSHA Final Rule 1910.269

- NFPA 2112 reflective tape, thread and zipper, extra reflective tape for 360° visibility
- Reinforced stitching, storm flap and oversized pockets

Parka Features

- Bi-swing back and elastic waist for comfort and protection
- Heavy duty hook and loop closures

Bibs Feature

- Non-metallic suspenders
- Leg zippers with full gussets

IC08RT13 Insulated Coveralls



ATPV: 55 cal/cm², CAT 4

Outer-shell: 9.0 oz. pre-shrunk FR cotton treated with a water repellent finish.

Liner: 9 oz. FR cotton batting quilted to 7.7 oz. pre-shrunk FR cotton with a polyurethane wind barrier.

Meets the performance requirements of NFPA 70E current edition and ASTM F1506-08. Acceptable for use in occupations covered by OSHA Final Rule 1910.269

- Reinforced stitching, storm flap and oversized pockets
- Bi-swing back and elastic waist for comfort and protection
- Heavy duty hook and loop closures
- Leg zippers with full gussets
- NFPA 2112 reflective tape, thread and zipper, extra reflective tape for 360° visibility



IJKB10

IJKB10
FR Insulated Industrial Jacket



ATPV: 50.0 cal/cm²

- 10 oz. Brown duck outer shell
- 9 oz. FR insulated batting
- Polyurethane wind barrier
- D-ring pass thru standard
- Corduroy collar
- 4 pocket construction

Sizes: Small – 5XL

Color: Brown



D Ring
Fall Arrest
Device
Port

NIJKB10
2112 - Certified FR Insulated Industrial Jacket



ATPV: 39.0 cal/cm²

- 10 oz. Brown duck outer shell
- 9 oz. FR insulated batting
- Polyurethane wind barrier
- D-ring pass thru standard
- Corduroy collar
- 4 pocket construction

Sizes: Small – 5XL

Color: Brown



NIJKB10

NIBOBD10
IBOBD10



IBOBD10
FR Insulated Industrial Bibs



ATPV: 50.0 cal/cm²

- 10 oz. brown duck outer shell
- 9 oz FR insulated batting
- Polyurethane wind barrier
- Non-metallic suspenders on bibs
- Bibs have leg zippers with full gussets

Sizes: S-5XL
Color: Brown



NIBOBD10
2112 - Certified FR Insulated Bibs



ATPV: 39.0 cal/cm²

- 10 oz. brown duck outer shell
- 9 oz FR insulated batting
- Polyurethane wind barrier
- Non-metallic suspenders on bibs
- Bibs have leg zippers with full gussets

Sizes: S-5XL
Color: Brown





NFRZJK13

NFRZJK13
Zipper Front FR Hoodie



Fabric: 11 oz. FR knit cotton
ATPV: 15.0 cal/cm²

- Attached hood with FR draw-cord closure
- Front hand warmer pocket
- Rib knit cuffs and waistband with FR front zipper

Sizes: M-5XL
Color: Navy



NFRPLHD13

NFRPLHD13
Pullover FR Hoodie



Fabric: 11 oz. FR knit cotton
ATPV: 15.0 cal/cm²

- One piece pullover
- Attached hood with FR draw-cord closure
- Rib knit cuffs and waistband
- Front hand warmer pocket

Sizes: M-5XL
Color: Navy



C3SA-FRG2

C3SA-FRG2-L High-Contrast Bomber Jacket

**ANSI
107**

Meets ANSI 107-2010, Class 3

- Lime green shell with contrasting 3" - 3M™ Scotchlite™ Reflective Material
 - All seams are sealed for foul weather use
 - Outer shell fabric is FR treated and breathable
 - Plenty of pockets!
 - 2 mic tabs
 - Two way heavy duty zipper
 - Non conductive closures
 - Removable soft shell liner with 2 pockets, Lime/Yellow in color
 - Liner has silver trim on sleeves
- Sizes:** S-8X, MT-8T (tall)
Color: Lime/Yellow

3M | **Scotchlite™**
Reflective Material

IJK7 FR Industrial Jacket



Fabric: 7.0 oz. Indura Ultra Soft material
Combined ATPV: 37.6

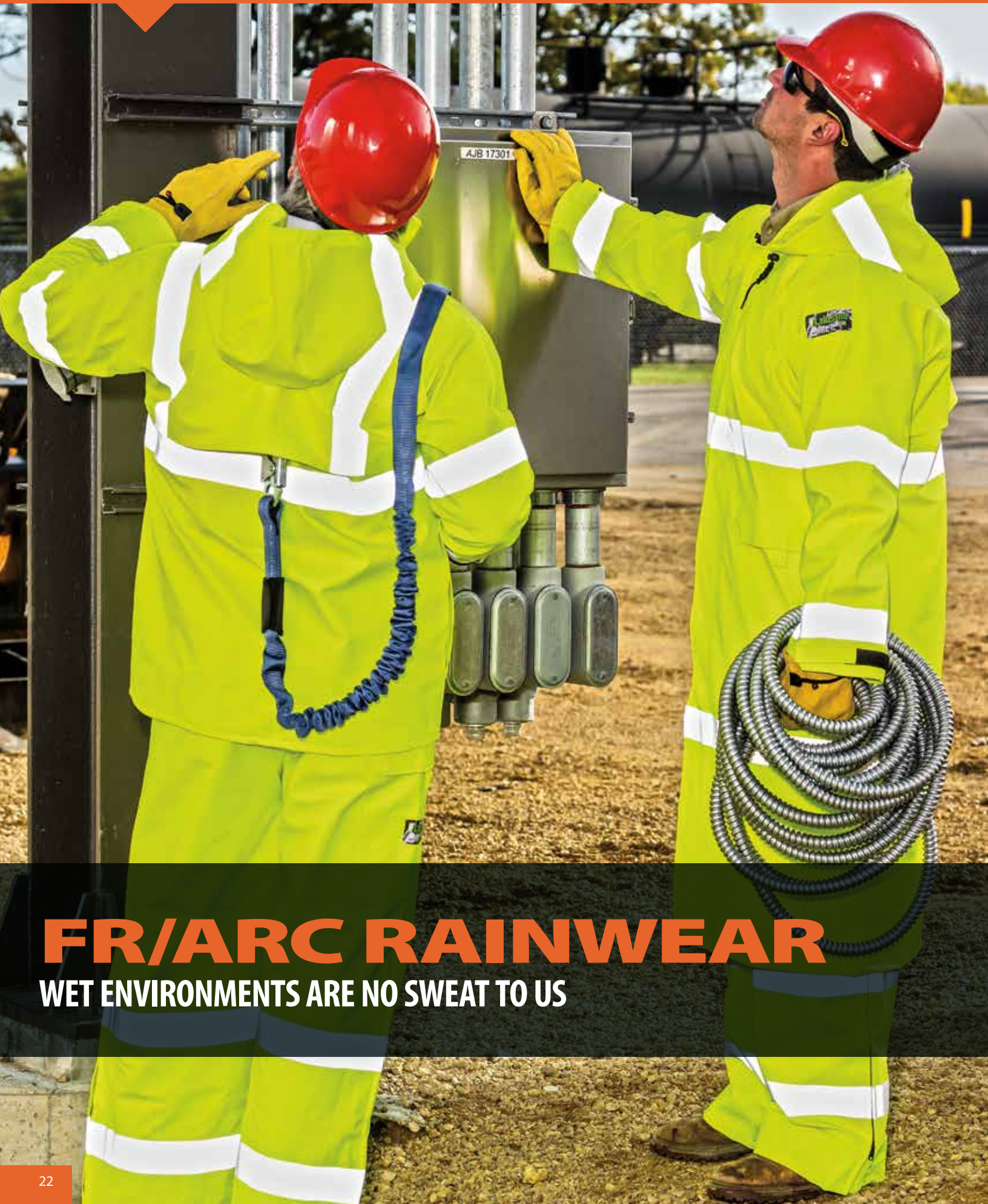
- Delryn non-conductive zipper
- Bi-swing pleated back
- Adjustable cuffs
- Heat resistant non-conductive snaps
- 2 cargo pockets
- 2 hand warmer pockets
- Elastic waist
- Hood with adjustable pull cords

Fabric: 7.0 oz. Indura® Ultra Soft®

Liner: 10 oz FR Thinsulate liner
(5.5oz Ultrasoft facecloth, 4.4 oz. FR Thinsulate)

IJK713





FR/ARC RAINWEAR

WET ENVIRONMENTS ARE NO SWEAT TO US

PREMIUM FEATURES! UNBEATABLE VALUE!



Reinforced lanyard port provides a secure connection for fall arrest devices



Vented back adds breathability



Leg zipper for easy donning and doffing over boots and work shoes



Innovative Diamond Reinforced Patch to prevent tears in crotch seams

Specifications

32" Jacket Style No.	AJPU10LY
Bib Pants Style No.	ABPU10LYZ
Fabric:	10.0 oz. ² Polyurethane over FR cotton knit
Arc Rating:	CAT 2/ 16.3 Cal/cm ²
Ebtas:	21.9 Cal/cm ²
HAF:	84%
MVTR:	546 G/M ² /24H
Total % Body Burn:	12.30%
3rd Degree Body Burn:	6.55%
Jacket Certification:	ANSI/ISEA 107-2010 Class 3
Bib Pants Certification:	ANSI/ISEA 107-2010 Class E
Test Methods:	ASTM F2733 Standard Flash Fire ASTM F1891 Standard Arc Flash ASTM F903 Standard Chemical



AJPU10LY



D-Ring
Pass Through
On Back

**AJPU10LY
Rain Jacket**



Arc Rating: 16.3 cal/cm²
ANSI 107-2010 Class 3
ASTM F1891 Arc Flash Rated
ASTM 2733 Flash Fire Rated

- Oversized hood
 - D-ring pass through
 - Vented back
 - Hand warmer pockets
- Sizes:** S-6X
Tall Sizing Available



ALCPU10LY

**ALCPU10LY
48" Rain Coat**



Arc Rating: 16.3 cal/cm²
ANSI 107-2010 Class 3
ASTM F1891 Arc Flash Rated
ASTM 2733 Flash Fire Rated

- 48 inch long coat
 - Oversized hood
 - Anti-wicking dam
 - Vented back
- Sizes:** S-6X



ABPU10LYZ

**ABPU10LYZ
Bib Style Rain Pant**



Arc Rating: 16.3 cal/cm²
ANSI 107-2010 Class 3
ASTM F1891 Arc Flash Rated
ASTM 2733 Flash Fire Rated

- Cargo Pocket
- Non-metallic, quick release clips
- 16 inch zippered boot openings
- 2 snap fly
- Anti-wicking dam

Sizes: S- 6X
Tall Sizing Available



APPU10LYZ

**APPU10LYZ
Rain Pant**



Arc Rating: 16.3 cal/cm²
ANSI 107-2010 Class 3
ASTM F1891 Arc Flash Rated
ASTM 2733 Flash Fire Rated

- 16 inch zippered boot openings
- 2 snap fly
- Anti-wicking dam

Sizes: S- 6X
Tall Sizing Available



FR ACCESSORIES

EXTRAS TO KEEP YOU SAFE ON THE JOB



V-8A0112V

V-8A0112VL Solid Modacrylic Vest



Fabric: Modacrylic fabric
ATPV: 5.5 Cal/cm²
ANSI 107-2010 Class 2

- Hook and loop closure, front
 - 2" - 3M™ Scotchlite™ Reflective Material
 - 27" length
- Sizes: M-5XL
Color: Lime/Yellow
Option: ANSI 107 Class 3 style available



FRCNP920 Hard Hat Neck Shade

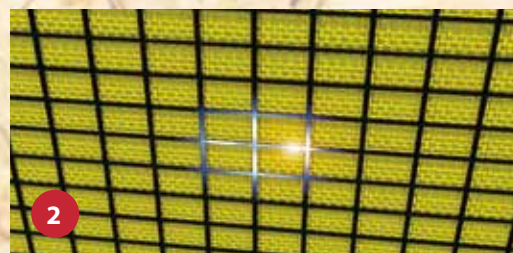
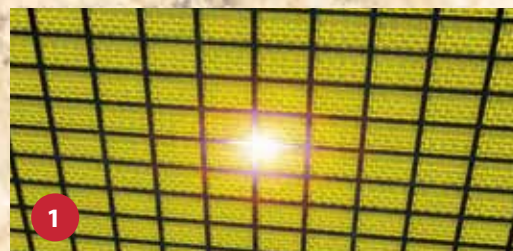


Fabric: 7.0 oz. per square yard, 88% Cotton/12% Nylon treated with Proban
ATPV: 8.9 cal/cm²

- Fits all major hard hat brands
 - Applied directly to underside of helmet, with Velcro®, no metal
 - No interference with ratcheting system
 - Sewn throughout with FR thread
 - FR binding
- Color: Khaki

WHAT IS STATIC DISSIPATIVE FABRIC?

Lakeland's vests are made from patented GlenGuard™ Hi-Vis/FR protective fabrics. These patented static dissipative fabrics, 10A (solid) and 10AM (mesh), are each designed with a carbon core fiber. The carbon core fiber works to dissipate a potentially harmful static charge allowing safe work in potentially combustible environments. Industries where there is always notable concern for static build-up include the natural gas transmission, exploration, drilling and transportation industries, gas utility, industrial confined spaces, petrochemical plants and many others. These types of hazardous environments are where a carbon fiber blended fabric is essential for worker safety.



How Dissipation Works

1. A charged surface comes near or touches the neutral dissipative surface of the fabric.
2. Charged ions flow to the fabric and begin to dissipate.
3. The charge dissipates evenly over the full surface via the carbon grid, leaving a safe low density charge.



V-10AM0322ZL

V-10AM0322ZL Static Dissipative Mesh Vest



Fabric: Modacrylic mesh fabric
ATPV: 5.2 Cal/cm2
Meets ANSI 107-2010, Class 2
Meets ASTM F1506

- Non-conductive zipper front closure
- 2" - 3M™ Scotchlite™ Reflective Material
- 27" length

Sizes: M-6XL

Color: Lime/Yellow with orange contrast binding



V-10AM2023ZL

V-10AM2023ZL Static Dissipative Mesh Vest



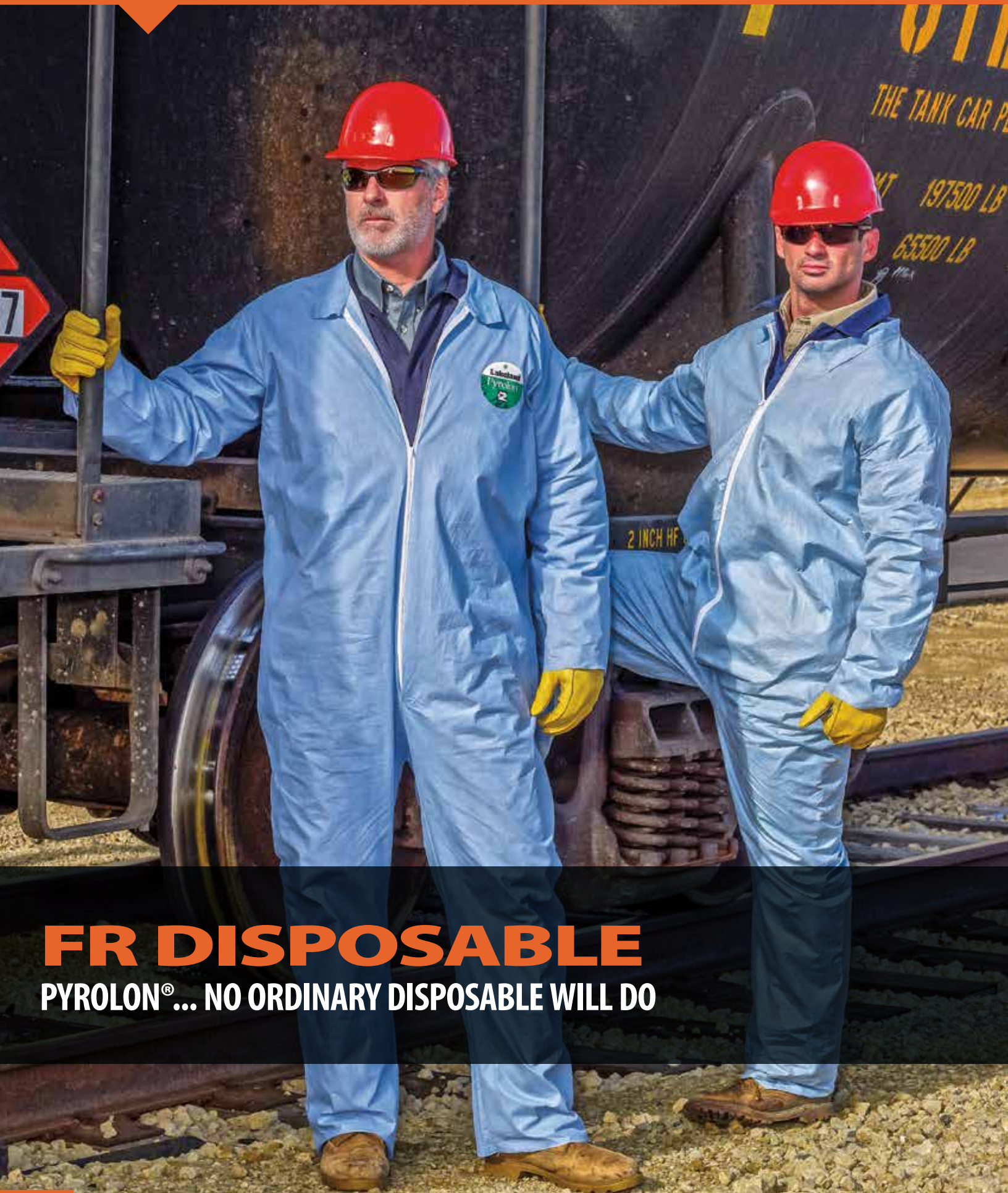
Fabric: Modacrylic mesh fabric
ATPV: 5.2 Cal/cm2
Meets ANSI 107-2010, Class 3
Meets ASTM F1506

- Reinforced lanyard port
- Non-conductive zipper front closure
- 2" - 3M™ Scotchlite™ Reflective Material
- 27" length

Sizes: M-6XL

Color: Lime/Yellow with orange contrast binding





FR DISPOSABLE
PYROLON®... NO ORDINARY DISPOSABLE WILL DO

WHY WEAR FR DISPOSABLE.....○ OVER FR WOVEN?.....○

Flame resistant disposables are intended to provide liquid and dust protection when worn over a primary thermal protective garment. To keep your new, primary FR clothing clean and free of contaminants, make sure that you are selecting the correct disposable garment for your application.

Standard disposables are made from polypropylene or polyethylene (or both). These are thermoplastic derivatives of oil, both of which are flammable materials that will ignite, melt and burn. Any fabric that melts and drips in the event of an electric arc or flash fire should not be worn over primary FR garments.

Repellency is also a critical attribute to consider when selecting a FR disposable garment. Understand the repellency performance of your disposable garment to ensure that possible flammable contaminants are not soaking through to your primary FR clothing. Make sure that your FR disposable has the repellency to keep grease, hydraulic fluid and other harmful contaminants from compromising your primary protective clothing.

Don't be misled by others citing the NFPA 701 curtain and drapery standard for their flammability performance. All Pyrolon® products are designed to be worn over primary protective Flame Resistant Clothing, are tested to ASTM F1930 and meet the NFPA 2113 requirements for section 5.1.9.

KNOW THE FACTS!

Get the FR protection you demand. Lakeland has produced a video which demonstrates the superiority of Pyrolon® Plus 2 vs. competing fabrics. Don't settle for substandard FR PPE that can be downright dangerous to wear. Visit the Lakeland website at www.lakeland.com, or scan the QR code on this page.





Pyrolon® Plus 2 Disposable Coveralls
Perfect for use over thermally protective and arc protective clothing!



From coveralls to lab coats to dosimeter stripped nuclear wear, disposable clothing of Pyrolon® Plus 2 come with all the essential features, distinct advantages and assurances of protection that only quality design and materials can deliver.

- Second generation Pyrolon® Plus 2 offers wet or dry strength superior to that provided by other traditional Flame Resistant disposables
- Meets the NFPA 2113 requirements for section 5.1.9.
- Pyrolon® Plus 2 is breathable, making this a cool and comfortable garment to wear.
- Pyrolon® Plus 2 can be used in work environments where hazardous or non-hazardous contaminants may be present.
- Pyrolon® Plus 2 quality standards meet ANSI/ISEA 101

Do not use for fire protection. Avoid open flame or intense heat. Pyrolon® Plus 2 garments are not washable. Washing removes the special finishes, thereby removing the flame retardancy, water and oil repellent characteristics.



Labcoat 07101
 Pyrolon® Plus 2 Lab Coat, snap closure, 2 pockets, long sleeve.
Sizes: S – 5X
Case Pack: 30



Labcoat 07140
 Pyrolon® Plus 2 Lab Coat, snap closure, no pockets, long sleeve.
Sizes: S – 5X
Case Pack: 30



Shirt 07201
 Pyrolon® Plus 2 Shirt, snap closure, long sleeves.
Sizes: S – 5X
Case Pack: 50



Coverall 07412
 Pyrolon® Plus 2 Coverall, zipper closure.
Sizes: S – 5X
Case Pack: 25



Coverall 07414
 Pyrolon® Plus 2 Coverall, zipper closure, attached hood, boots, elastic wrists.
Sizes: S – 5X
Case Pack: 25



Coverall 07417
 Pyrolon® Plus 2 Coverall, zipper closure, elastic wrists and ankles.
Sizes: S – 5X
Case Pack: 25



Coverall 07428
 Pyrolon® Plus 2 Coverall, zipper closure, attached hood, elastic wrists and ankles.
Sizes: S – 5X
Case Pack: 25



Pants 07301
 Pyrolon® Plus 2 Pants, elastic waist.
Sizes: S – 5X
Case Pack: 50



Blue Boot Cover 07903B
 Blue Pyrolon® Plus 2 Boot Cover, elastic top, 17" high.
Sizes: S/M, L/XL, 2X
Case Pack: 200 pair



Blue Bell Shape Hood 07713B
 Blue Pyrolon® Plus 2 Bell Shape Hood.
Sizes: One Size
Case Pack: 250



All Pyrolon® Plus 2 garments are available in white or Blue. For Blue, add a "B" at the end of the style number.

Pyrolon® CRFR
Disposable, Chemical Resistant, and Flame Resistant, all rolled into one garment.



Pyrolon® CRFR protective wear... They're unique. They're disposable. They're chemical resistant. And they're flame resistant, meeting NFPA 2113 requirements. Imagine, all these qualities in one protective garment. Only from Lakeland.

Pyrolon® CRFR garments bar contaminating flammables like paint, oil and grease, hazardous liquids and contaminants, and dry particulates from penetrating to inner clothing.

Pyrolon® CRFR features:

- Light chemical splash protection
- Self extinguishing
- Won't melt or drip
- Meets the NFPA 2113 requirements for section 5.1.9.
- Designed to be worn over woven thermally protective coveralls, such as woven DuPont™ Nomex®, for environments where flash fire is a concern



51100

Coverall, collar, storm flap over zipper, open wrists and ankles hemmed cuff.
Sizes: S - 5XL
Case Pack: 6



51110

Coverall, collar, storm flap over zipper, elastic wrists and ankles.
Sizes: S - 5XL
Case Pack: 6



51250

Jacket, collar, elastic wrists, double storm flap with hook and loop closure.
Sizes: S - 5XL
Case Pack: 6



51300 Pant

Pant, elastic waist and ankles.
Sizes: M-4X
Case Pack: 6



51130

Coverall, hood, elastic face, storm flap over zipper, wrists, and ankles.
Sizes: S - 5XL
Case Pack: 6



51150

Coverall, hood, elastic face and wrists, storm flap over zipper, attached boots.
Sizes: S - 5XL
Case Pack: 6



51730

Apron, long sleeve, elastic wrists, 32" length.
Sizes: S-4X
Case Pack: 12



51740

Boot covers, elastic top, 17" high.
Sizes: One size
Case Pack: 12 pair





FR Coveralls									
	S	M	L	XL	2X	3X	4X	5X	6X
Chest	36-38	40-42	44-46	48-50	52-54	56-58	60-62	64-66	68-70
Inseam	30	30	30	30	30	30	30	30	30
Sleeve	33	34	35	36	37	38	39	40	41

Tall coveralls add 2" to the standard sleeve length, 2" to the inseam & 1" in the torso.
 Short coveralls subtract 2" to the standard sleeve length, 2" in inseam & 1" in the torso.
 If chest measurement falls between sizes, go up to next largest size.



FR Shirts									
	S	M	L	XL	2X	3X	4X	5X	6X
Chest	36-38	40-42	44-46	48-50	52-54	56-58	60-62	64-66	68-70
Sleeve	34	34	35	36	37	38	39	40	41
Collar/Neck	17	18	19	21	22	23	25	26	27



Insulated Coveralls									
	S	M	L	XL	2XL	3XL	4XL	5XL	6X
Chest	36-38	40-42	44-46	48-50	52-54	56-58	60-62	64-66	68-70
Sleeve	33	34	34	35	35	36	37	38	39
Inseam	30	30	30	30	30	30	30	30	30



Insulated FR Parka						
	S	M	L	XL	2XL	3XL
Chest	40-42	44-46	48-50	52-54	56-58	60-62
Sleeve	33	34	35	35	36	37

Insulated FR Bib Overalls							
	S	M	L	XL	2X	3X	4X
Waist	30	32	34	36	38	40	42
Inseam	30	30	30	30	30	30	30



Brown Duck Jacket							
	S	M	L	XL	2X	3X	4X
Chest	36-38	40-42	44-46	48-50	52-54	56-58	60-62
Sleeve	33	34	35	37	38	39	40

FR Bib Overalls							
	S	M	L	XL	2X	3X	4X
Waist	30	32	34	36	38	40	42
Inseam	30	30	30	30	30	30	30



FR Hoodie					
	XS	S	M	L	XL
Chest	28-30	32-34	36-38	40-42	44-46
	2XL	3XL	4XL	5XL	6XL
Chest	48-50	52-54	56-58	60-62	64-66



FR/Arc Rain Jacket (AJPU10LY)								
	S	M	L	XL	2XL	3XL	4XL	5XL
Chest	32-34	36-38	40-42	44-46	48-50	52-54	56-58	60-62
Sleeve Length	33	33	34	34	35	35	36	36
Center Length Back	32	32	32	32	32	32	32	32

If chest measurement falls between sizes, go up to next largest size.
Tall coat (style AJPU10LYT) add 3" to sleeve length and 3" to center back.



FR/Arc Rain Long Coat (ALCPU10LY)								
	S	M	L	XL	2XL	3XL	4XL	5XL
Chest	32-34	36-38	40-42	44-46	48-50	52-54	56-58	60-62
Sleeve Length	33	33	34	34	35	35	36	36
Center Length Back	48	48	48	48	48	48	48	48

If chest measurement falls between sizes, go up to next largest size.



FR/Arc Rain Bib Overalls				
	S	M	L	XL
Waist	24-26	28-30	32-34	36-38
Inseam - Regular (ABPU10LYZ)	29	29	29	29
Inseam - Tall (ABPU10LYZT)	32	32	32	32
	2XL	3XL	4XL	5XL
Waist	40-42	44-46	48-50	52-54
Inseam - Regular (ABPU10LYZ)	29	30	31	31
Inseam - Tall (ABPU10LYZT)	32	33	35	35



FR/Arc Rain Pant				
	S	M	L	XL
Waist	28-30	32-34	36-38	40-42
Inseam - Regular (APPU10LYZ)	29	29	29	29
Inseam - Tall (APPU10LYZT)	32	32	32	32
	2XL	3XL	4XL	5XL
Waist	44-46	48-50	52-54	56-58
Inseam - Regular (APPU10LYZ)	30	31	31	31
Inseam - Tall (APPU10LYZT)	33	35	35	35

LAKELAND COLOR CODES

06 = Gray

13 = Navy

14 = Orange

18 = Royal Blue

20 = Khaki

26 = Yellow



Let Lakeland Handle Your Corporate Branding Needs!

- Embroidery
- Fabric Patches
- Sublimated Patches



All of Your Safety Apparel Needs Under One Roof.

Disposable Clothing



Chemical Clothing



Reflective Clothing



Hand & Arm Protection



Woven Clothing



Lakeland Fire



All of your safety apparel needs under one roof.

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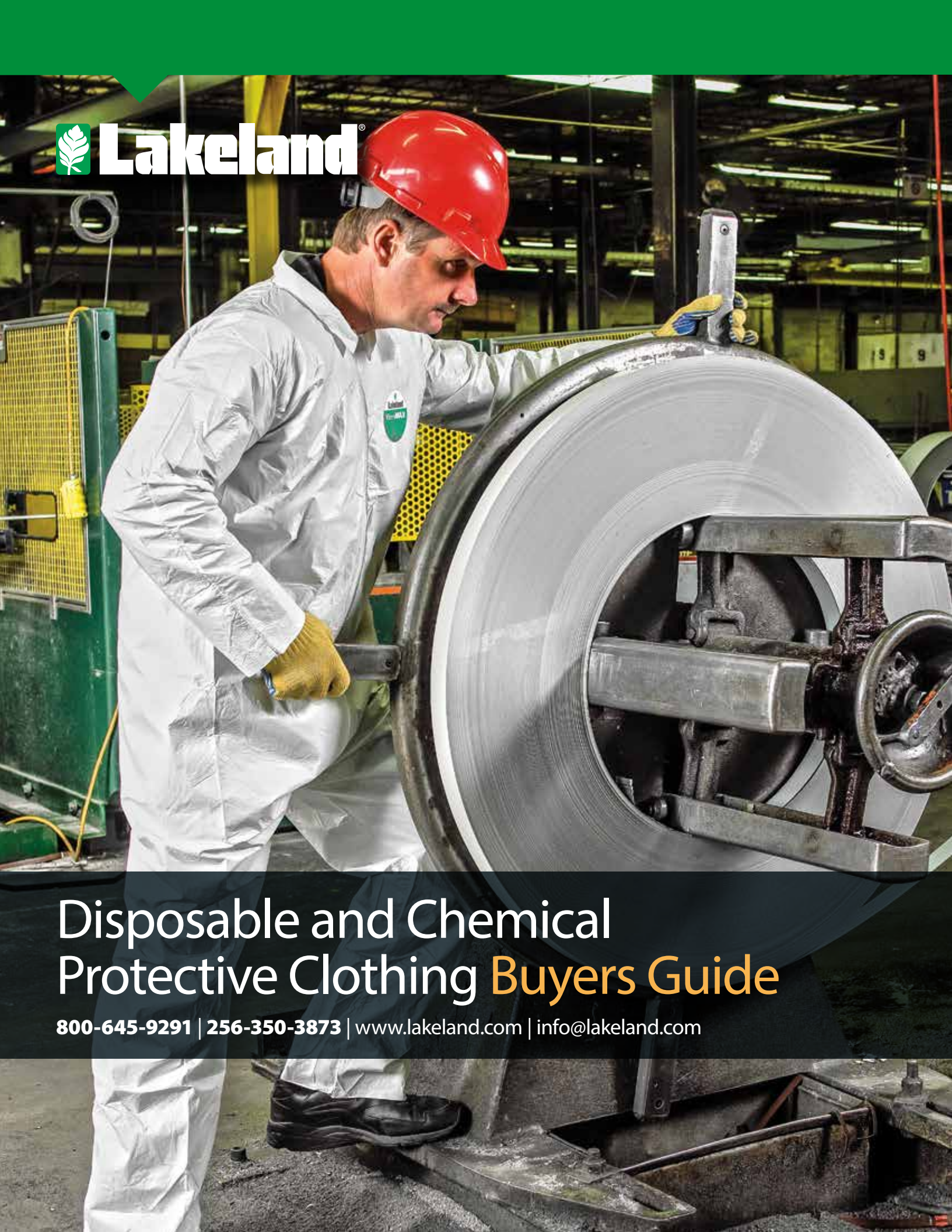


 **Lakeland**[®]
Protect Your People[™]

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Email: info@lakeland.com

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Email: sales-canada@lakeland.com

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Nomex[®] is a registered trademark of E. I. du Pont de Nemours and Company
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Disposable and Chemical Protective Clothing **Buyers Guide**

800-645-9291 | 256-350-3873 | www.lakeland.com | info@lakeland.com

Why Choose Lakeland?

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Lakeland delivers the best, most innovative Protective Clothing products and fabric choices available anywhere in the world... and we're stepping on the gas!

Broadest range of products and fabrics

From Disposables to Chemical, Reflective to Hand and Arm, Flame/Arc Flash Resistant and Fire Service/EMS, no one else in the Protective Apparel Industry can offer such comprehensive product and fabric choices- or the expertise to guide you. All under one roof.

Investing for growth – to serve and protect you better

We're doubling our sales and support personnel, R&D and product development efforts, upgrading our systems, and streamlining our operations . You will see the difference.

World-wide presence and growth

Lakeland International is growing rapidly, with production and sales operations in more than 40 countries. So we can bring you the best in fabrics and innovations the world has to offer, and technical expertise for wherever you do business.

Know the maker - we manufacture our own products

Lakeland protects people. It is our core business. Unlike our competitors, we don't use contractors. We make all our own apparel, so we have maximum control over quality and delivery.

For most contractors, protective clothing is only a portion of their business, and they lack our expertise and focus on protecting the end user- whereas that is what we are all about. We design the fabric, we make the garment, we inspect it, we ship it. And you know who to call.

Let us help you protect your people, and grow with us!

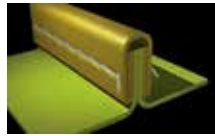


Lakeland Brand Seams and Protection Levels

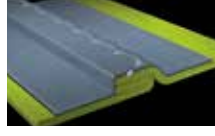
Serged Seam Bound Seam Heat Sealed Seam Heat Sealed Plus Seam



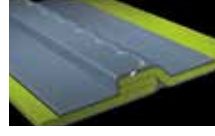
A serged seam joins two pieces of material with a thread that interlocks. This is an economical stitching method for general applications. This stitching method is generally not used for chemical protective clothing. It is more commonly found on disposable clothing where dry particulates are a concern.



A bound seam joins two pieces of material with an overlay of similar material and is chain stitched through all of the layers for a clean finished edge. This provides increased holdout of liquids and dry particulates.



A heat sealed seam is sewn and then sealed with a heat activated tape. This method provides liquid proof seams, and is especially useful for Level A and B chemical protective clothing.



This is the ultimate and strongest seam that Lakeland offers. The seam is sewn and then heat sealed on the outside and inside to offer the highest strength and chemical resistance.

Product Seam Availability

Product	Serged Seam	Bound Seams	Heat Sealed Seams
MicroMax® NS	●		
MicroMax® NS Cool Suit	●		
MicroMax®	●		
MicroMax® HBF	●		
SafeGard® SMS	●		
Economy SMS	●		
Pyrolon® Plus 2	●		
Pyrolon® XT	●		
ZoneGard® Polypropylene	●		
Pyrolon® CRFR			●
ChemMax® 1	●	●	●
ChemMax® 2		●	●
ChemMax® 3			●
ChemMax® 4			●
Interceptor®			●

Product Applications

	General Protection				Aerosol/Spray			Chemical Splash			Hazmat			Critical Environment / Biohazard				
	Dirt, Oil and Grease	Hazardous Dry Particulate	Non-Hazardous Liquids	Welding, Cutting and Grinding	Non-Hazardous Liquids	Paint, Hazardous Liquids	Dry Particles	Flammable Environment	Low Exposure, Low Risk	High Exposure, High Risk	Flammable Liquids	Hazmat, NFPA Certified	Hazmat, Maritime	Hazmat, Non Certified	Paint Booth	Bloodborne Pathogens	Waste Water Treatment	Flash Fire Chemical
MicroMax® NS	●	●	●		●	●	●							●	●	●		
MicroMax® NS Cool Suit	●	●	●		●	●	●											
MicroMax®	●	●	●		●	●	●							●	●	●		
MicroMax® HBF	●	●	●		●	●	●							●	●	●		
SafeGard® SMS	●	●	●		●	●	●											
Economy SMS	●	●			●	●	●											
Pyrolon® Plus 2*	●	●	●		●	●	●											●
Pyrolon® XT*	●	●	●		●	●	●											●
ZoneGard® Polypropylene	●				●													
Pyrolon® CRFR*	●	●	●	●	●	●	●	●	●			●						●
ChemMax® 1		●	●		●	●	●	●	●			●	●	●	●	●	●	
ChemMax® 2					●	●	●	●	●			●	●	●	●	●	●	
ChemMax® 3						●			●		●	●	●	●	●	●	●	
ChemMax® 4											●	●	●	●	●	●	●	
Interceptor®**								●			●	●	●					●

* Must be worn over thermally protective clothing, such as fire retardant cottons, aramids or mono acrylics.
 ** Interceptor meets the requirements of NFPA 1991 limited flash fire for escape only option.

MicroMax® NS

Serged Seams Dry Particulate Light Liquid Splash



Microporous protection from dirt, grease, grime and light chemical splash!

This line of general purpose protective clothing can be used in work environments where hazardous or non-hazardous contaminants may be present. Very economical and lightweight, MicroMax® NS features high MVTR and is breathable for worker comfort. MicroMax® NS is strong, wet or dry, perfect for work environments where dirt, grime, splashes and spills are present.

MicroMax® NS Physical Properties

Physical Property	Test Method	Units	Test Results
Basis Weight	ASTM D3776	oz/y ²	1.55 oz/y ²
Grab Tensile MD	ASTM D5034	lbs.	22.0 lbs.
Grab Tensile XD	ASTM D5034	lbs.	14.0 lbs.
Trapezoidal Tear MD	ASTM D1117	lbs.	9.0 lbs.
Trapezoidal Tear CD	ASTM D1117	lbs.	5.8 lbs.
Ball Burst	ASTM D3787	lbs.	19.0 lbs.
Air Permeability	ASTM D737	cfm	<0.562 cfm/ft ²
Surface Resistivity	EN1149-5:2006	Ω	Pass

MicroMax® NS ASTM F903 Penetration Data

Chemical Tested	Concentration %	Test Time – Minutes	Test Results
Diazinon	100%	60	Pass
Motor Oil-40 wt.	100%	60	Pass
Bleach-household	100%	60	Pass
Isocyanate Based Paint	100%	60	Pass
Sodium Hydroxide	50%	60	Pass
Sodium Hyperchlorite	10%	60	Pass
Blood	Challenge Fluid Liter – 3.20 x 10 ⁸ (PFU/mL)	Assay Results PFU/mL <1	Pass

NEW



CleanMax™
Cleanroom Apparel

Now Available for
Controlled Environments Applications

800-645-9291 • www.lakeland.com • info@lakeland.com



**Labcoat
CTL101**

- Snap closure
- 2 pockets
- Long sleeve

Sizes: S – 5X
Case Pack: 30



**Labcoat
CTL104**

- Snap closure
- 2 pockets
- Long sleeve
- Elastic wrists

Sizes: S – 5X
Case Pack: 30



**Labcoat
CTL112**

- Snap closure
- No pockets
- Long sleeve
- Elastic wrists

Sizes: S – 5X
Case Pack: 30



**Labcoat
CTL140**

- Snap closure
- No pockets
- Long sleeves

Sizes: S – 5X
Case Pack: 30



**Frock
CTL190**

- Mandarin collar
- 5 snaps
- No pockets
- Elastic wrists

Sizes: S – 5X
Case Pack: 30



**Frock
CTL191**

- Mandarin collar
- Zipper closure
- No pockets
- Elastic wrists

Sizes: S – 5X
Case Pack: 25



**Shirt
CTL201**

- Snap closure
- Long sleeves

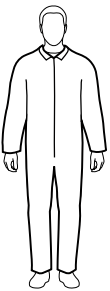
Sizes: S – 5X
Case Pack: 50



**Pants
CTL301**

- Elastic waist

Sizes: S – 5X
Case Pack: 50



**Coverall
CTL412**

- Zipper closure

Sizes: S – 5X
Case Pack: 25



**Coverall
CTL414**

- Zipper closure
- Attached hood
- Boots
- Elastic wrists

Sizes: S – 5X
Case Pack: 25



**Coverall
CTL417**

- Zipper closure
- Elastic wrists
- Elastic ankles

Sizes: S – 5X
Case Pack: 25



**Coverall
CTL428**

- Zipper closure
- Attached hood
- Elastic wrists
- Elastic ankles

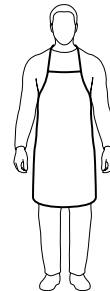
Sizes: S – 5X
Case Pack: 25



**Smock
CTL501**

- Long sleeves
- Attached ties

Sizes: S – 5X
Case Pack: 50



**Apron
CTL601**

- Sewn ties

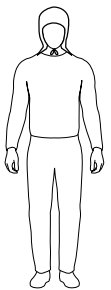
Sizes: 28" w x 36" l
Case Pack: 100



**Apron
CTL603**

- Sewn ties

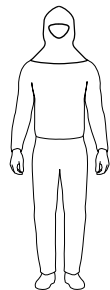
Sizes: 28" w x 44" l
Case Pack: 100



**Hood
CTL701**

- Drawstring closure

One size
Case Pack: 250



**Hood
CTL713**

- Elastic face
- Covers shoulders

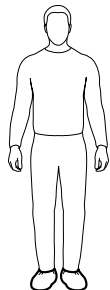
One size
Case Pack: 250



**Sleeve
CTL850**

- Elastic ends

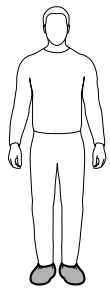
Sizes: 18" length
Case Pack: 100 pair



**Shoe Cover
CTL901
901NS (non-skid)**

- Elastic ankles
- Style 901 – standard version
- Style 901NS – gray non-skid version

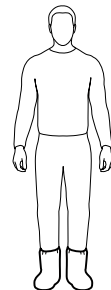
Sizes: S/M, L/XL, 2X
Case Pack: 200 pair



**Boot Cover
CTL903
903NS (non-skid)**

- Elastic top
- 17" high
- Style 903 – standard version
- Style 903NS – gray non-skid version

Sizes: S/M, L/XL, 2X
Case Pack: 200 pair



**Shoe Cover
CTL904**

- Vinyl sole

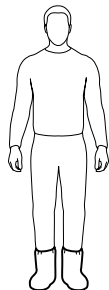
Sizes: S/M, L/XL, 2X
Case Pack: 200 pair



**Boot Cover
CTL905**

- Elastic top
- 17" high
- Vinyl sole

Sizes: S/M, L/XL, 2X
Case Pack: 200 pair



MicroMax® NS Cool Suit

Serged Seams



Dry Particulate



Light Liquid Splash



A breathable back panel makes the MicroMax® NS Cool Suit ideal for warmer work environments!

Like the MicroMax® NS coverall, the MicroMax® NS Cool Suit™ protects against dirt, grease, spills and contaminants and features increased breathability with an added SMS back panel. A superb pattern design and an elastic back waist offer improved comfort and fit. Front and sides made of microporous film on a polypropylene substrate provide barrier protection and a flap cover over the zipper protects against splashes. The MicroMax® NS Cool Suit breathable back panel offers a SMS particulate barrier. Stay cool while protecting yourself with the MicroMax® NS Cool Suit™.

MicroMax® NS Cool Suit Physical Properties

Physical Property	Test Method	Units	Test Results
Basis Weight	ASTM D3776	oz/y ²	1.85 oz/y ²
Strip Tensile MD	ASTM D5035	lbs.	11.3 lbs.
Strip Tensile XD	ASTM D5035	lbs.	6 lbs.
Tensile Strength MD	ASTM D5034	lbs.	24.4 lbs.
Tensile Strength XD	ASTM D5034	lbs.	16.2 lbs.
Trap/Tear MD	ASTM D1117	lbs.	10.8 lbs.
Trap/Tear XD	ASTM D1117	lbs.	5.4 lbs.
Ball Burst	ASTM 3787	lbs.	25.1 lbs.
Taber Abrasion	ASTM 3884	cycles	1062 cycles
Mocon-Breathability			5031
Air Permeability	ASTM D737	cfm/ft ²	<0.562
Surface Resistivity	ASTM D257		>1010
Hydrostatic Resistance	ASTM 4157	cfm	127+
Flammability Pass		lbs.	16 cfr 1610 cii

MicroMax® NS Cool Suit ASTM F903 Penetration Data

Chemical Tested	Concentration %	Test Time – Minutes	Test Results
Diazinon	100%	60	Pass
Motor Oil-40 wt.	100%	60	Pass
Bleach-household	100%	60	Pass
Isocyanate Based Paint	100%	60	Pass
Sodium Hydroxide	50%	60	Pass
Sodium Hyperchlorite	10%	60	Pass
Blood	Challenge Fluid Liter – 3.20 x 10 ⁸ (PFU/mL)	Assay Results PFU/mL <1	Pass



Coverall COL412

- Zipper closure
- Sizes:** S – 5X
- Case Pack:** 25

Coverall COL428

- Zipper closure
- Attached hood
- Elastic wrists
- Elastic ankles
- Sizes:** S – 5X
- Case Pack:** 25

The MicroMax® NS Cool Suit breathable back panel offers a SMS particulate barrier

MicroMax®



Superior microporous protection at a very affordable cost!

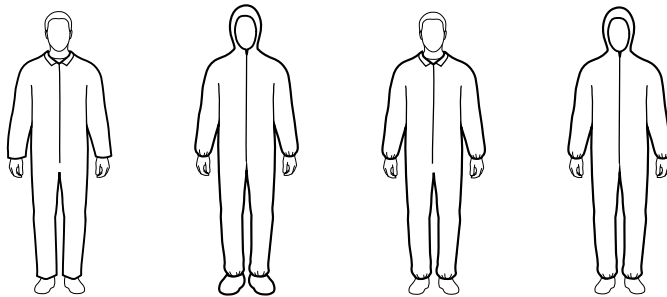
MicroMax® from Lakeland Industries brings the most advanced microporous technology to the protective clothing market yet. This line of general purpose protective clothing can be used in work environments where hazardous or non-hazardous contaminants may be present, as well as non-hazardous environments where dirt, grime, splashes and spills are occurring. The MicroMax® fabric is comprised of a microporous film with a polyester ripstop scrim between the film and substrate that gives the material additional strength. Tough, can-do protection at a price that is sure to agree with your budget.

MicroMax® Physical Properties

Physical Property	Test Method	Units	Test Results
Basis Weight	ASTM D3776	oz/y ²	2.10 oz/y ²
Grab Tensile MD	ASTM D5034	lbs.	32.4 lbs.
Grab Tensile XD	ASTM D5034	lbs.	32.6 lbs.
Trapezoidal Tear MD	ASTM D5733	lbs.	5.1 lbs.
Trapezoidal Tear CD	ASTM D5733	lbs.	6.2 lbs.
Surface Resistivity	EN1149-5:2006	Ω	Pass

MicroMax® ASTM F903 Penetration Data

Chemical Tested	Concentration %	Test Time – Minutes	Test Results
Diazinon	100%	60	Pass
Motor Oil-40 wt.	100%	60	Pass
Bleach-household	100%	60	Pass
Isocyanate Based Paint	100%	60	Pass
Sodium Hydroxide	50%	60	Pass
Sodium Hyperchlorite	10%	60	Pass
Blood	Challenge Fluid Liter – 3.20 x 108 (PFU/mL)	Assay Results PFU/mL <1	Pass



Coverall TG412

- Zipper closure
- Sizes:** S – 5X
Case Pack: 25

Coverall TG414

- Zipper closure
 - Attached hood
 - Boots
 - Elastic wrists
- Sizes:** S – 5X
Case Pack: 25

Coverall TG417

- Zipper closure
 - Elastic wrists
 - Elastic ankles
- Sizes:** S – 5X
Case Pack: 25

Coverall TG428

- Zipper closure
 - Attached hood
 - Elastic wrists
 - Elastic ankles
- Sizes:** S – 5X
Case Pack: 25

NEW



CleanMax™
Cleanroom Apparel

*Now Available for
Controlled Environments Applications*

MicroMax® HBF

Serged Seams



Dry Particulate



Light Liquid Splash



Get barrier protection and wearer comfort with new MicroMax® HBF!

MicroMax® HBF can be used in work environments where hazardous or non-hazardous contaminants may be present. HBF brings cutting-edge film structures to the protective apparel market. Each of its three layers work together to improve barrier performance, comfort, and durability. The result is a fabric with superior dry particle and light liquid splash barrier and comfort for the wearer.

MicroMax® HBF Physical Properties

Physical Property	Test Method	Units	Test Results
Basis Weight	ASTM D3776	oz/y ²	2.7 oz/y ²
Grab Tensile MD	ASTM D5304	lbs.	22.12 lbs.
Grab Tensile XD	ASTM D5034	lbs.	36.08 lbs.
Trapezoidal Tear MD	ASTM D5733	lbs.	13.38 lbs.
Trapezoidal Tear CD	ASTM D5733	lbs.	23.20 lbs.
Ball Burst	ASTM D3787	lbs.	32.60 lbs
Surface Resistivity	EN1149-5:2006	Ω	Pass

MicroMax® HBF ASTM F903 Penetration Data

Chemical Tested	Concentration %	Test Time – Minutes	Test Results
Diazinon	100%	60	Pass
Motor Oil-40 wt.	100%	60	Pass
Bleach-household	100%	60	Pass
Isocyanate Based Paint	100%	60	Pass
Sodium Hydroxide	50%	60	Pass
Sodium Hyperchlorite	10%	60	Pass
Blood	Challenge Fluid Liter – 3.20 x 10 ⁸ (PFU/mL)	Assay Results PFU/mL <1	Pass



Coverall HBF412
 • Zipper closure
 Sizes: S – 5X
 Case Pack: 25



Coverall HBF428
 • Zipper closure
 • Attached hood
 • Elastic wrists
 • Elastic ankles
 Sizes: S – 5X
 Case Pack: 25

ZoneGard® Polypropylene

Serged Seams

Dry Particulate



ZoneGard® – Cool clothing for Grimey Sites.

Lakeland's line of breathable ZoneGard® protective wear are appropriate for use in work environments where hazardous or non-hazardous contaminants may be present. Their porous construction accounts for a "breathability" that makes them cool and comfortable while offering protection to those who must work around constant dirt and grime. Economical and disposable, these Lakeland garments and accessories come in a range of styles and sizes.

ZoneGard® Physical Properties

Physical Property	Test Method	Units	Test Results
Basis Weight	ASTM D3776	oz/y ²	1.25 oz/y ²



Labcoat C2101

- Snap closure
- 2 pockets
- Long sleeve

Sizes: S – 5X
Case Pack: 30



Labcoat C2140

- Snap closure
- No pockets
- Long sleeves.

Sizes: S – 5X
Case Pack: 30



Shirt C2201

- Snap closure
- Long sleeves

Sizes: S – 5X
Case Pack: 50



Pants C2301

- Elastic waist

Sizes: S – 5X
Case Pack: 50



Coverall C2412

- Zipper closure

Sizes: S – 5X
Case Pack: 25



Coverall C2414

- Zipper closure
- Attached hood
- Boots
- Elastic wrists

Sizes: S – 5X
Case Pack: 25



Coverall C2417

- Zipper closure
- Elastic wrists
- Elastic ankles

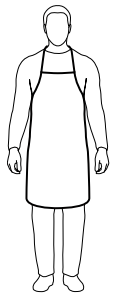
Sizes: S – 5X
Case Pack: 25



Coverall C2428

- Zipper closure
- Attached hood
- Elastic wrists
- Elastic ankles

Sizes: S – 5X
Case Pack: 25



Apron C2601

- Sewn ties

Sizes: 28" w x 36" l
Case Pack: 100



Sleeve C2850

- Elastic ends

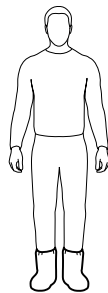
Sizes: 18" length
Case Pack: 100 pair



Shoe Cover C2901

- Elastic ankles

Sizes: S/M, L/XL, 2X
Case Pack: 200 pair



Boot Cover C2903

- Elastic top
- 17" high

Sizes: S/M, L/XL, 2X
Case Pack: 200 pair



All ZoneGard® garments are available in White or Navy. For Navy, add an "N" to the end of the style number.



SafeGard® SMS

Serged Seams

Dry Particulate



Get great protection and breathability with SafeGard® SMS!

SafeGard® SMS Protective Garments from Lakeland Industries, Inc. are well named. They keep employees safe from numerous dry particles and water-based liquids. SafeGard® garments can be used in work environments where hazardous or non-hazardous contaminants may be present. These garments feature 3 tough layers to keep contaminants out. The 2 outer layers are made of spunbonded filaments that stand up to tearing and abrasion. The inner layer is of melt-blown polypropylene microfibers that filter out potentially harmful particulates and liquids.

Breathability is the bonus; air and water vapor pass through for superior wearer comfort.

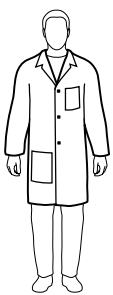
Coveralls feature a deluxe pattern with 2 sewn pockets and elastic in the back. Available in Sky Blue, too!

SafeGard® Physical Properties

Physical Property	Test Method	Units	Test Results
Basis Weight	ASTM D3776	oz/y ²	1.5 oz/y ²
Grab Tensile MD	ASTM D5034	lbs.	25 lbs.
Grab Tensile XD	ASTM D5034	lbs.	20 lbs.
Trap Tear MD	ASTM D5733	lbs.	7.9 lbs.
Trap Tear XD	ASTM D5733	lbs.	6.7 lbs.



SafeGard® SMS Labcoats are perfect for the office or work environment!



Labcoat C8101

- Snap closure
 - 2 pockets
 - Long sleeve
- Sizes:** S – 5X
Case Pack: 30



Shirt C8201

- Snap closure
 - Long sleeves
- Sizes:** S – 5X
Case Pack: 50



Pants C8301

- Elastic waist
- Sizes:** S – 5X
Case Pack: 50



Coverall C8412

- Zipper closure
- Sizes:** S – 5X
Case Pack: 25



Coverall C8414

- Zipper closure
 - Attached hood
 - Boots
 - Elastic wrists
- Sizes:** S – 5X
Case Pack: 25



Coverall C8417

- Zipper closure
 - Elastic wrists
 - Elastic ankles
- Sizes:** S – 5X
Case Pack: 25



Coverall C8428

- Zipper closure
 - Attached hood
 - Elastic wrists
 - Elastic ankles
- Sizes:** S – 5X
Case Pack: 25



All SafeGard® SMS garments are available in white or Sky Blue. For Sky Blue, add a "B" at the end of the style number.

SafeGard® Economy SMS

Serged Seams

Dry Particulate



Lighter in weight and more breathable. That's the benefit of SafeGard® Economy SMS

SafeGard® Economy SMS garments are an economical version of SafeGard® SMS and offer similar protection. SafeGard® Economy SMS garments can be used in work environments where hazardous or non-hazardous contaminants may be present. With a fabric weight of 45 grams, these garments are lighter and offer better breathability and increased comfort, meeting ANSI/ISEA 101-1996 sizing requirements. No pockets or elastic in back help to keep the cost low. Available in white or blue.

Economy SMS Physical Properties

Physical Property	Test Method	Units	Test Results
Basis Weight	ASTM D3776	oz/y ²	1.5 oz/y ²
Grab Tensile MD	ASTM D5034	lbs.	25 lbs.
Grab Tensile XD	ASTM D5034	lbs.	20 lbs.
Trap Tear MD	ASTM D5733	lbs.	7.9 lbs.
Trap Tear XD	ASTM D5733	lbs.	6.7 lbs.



Coverall E8412

- Zipper closure
- Sizes:** S – 5X
- Case Pack:** 25



Coverall E8414

- Zipper closure
- Attached hood
- Boots
- Elastic wrists
- Sizes:** S – 5X
- Case Pack:** 25



Coverall E8417

- Zipper closure
- Elastic wrists
- Elastic ankles
- Sizes:** S – 5X
- Case Pack:** 25



Coverall E8428

- Zipper closure
- Attached hood
- Elastic wrists
- Elastic ankles
- Sizes:** S – 5X
- Case Pack:** 25



All Economy SMS garments are available in White or Blue. For Blue, add a "B" at the end of the style number.

Pyrolon® Plus 2

Serged Seams Dry Particulate Flame Resistant



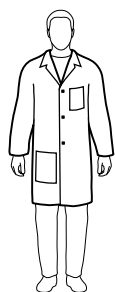
Perfect for use over thermally protective and arc protective clothing!

From coveralls to lab coats to dosimeter stripped nuclear wear, disposable clothing of Pyrolon® Plus 2 come with all the essential features, distinct advantages and assurances of protection that only quality design and materials can deliver.

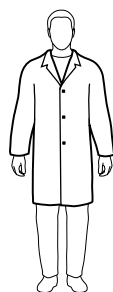
- Second generation Pyrolon® Plus 2 offers wet or dry strength superior to that provided by other traditional Flame Resistant disposables
- Meets the NFPA 2113 requirements for section 5.1.9.
- Pyrolon® Plus 2 is breathable, making this a cool and comfortable garment to wear.

Pyrolon® Plus 2 can be used in work environments where hazardous or non-hazardous contaminants may be present. Pyrolon® Plus 2 quality standards meet ANSI/ISEA 101.

Wear Pyrolon® Plus 2 over expensive thermally protective and arc protective clothing!



Labcoat 07101
 • Snap closure
 • 2 pockets
 • Long sleeves
Sizes: S – 5X
Case Pack: 30



Labcoat 07140
 • Snap closure
 • No pockets
 • Long sleeves.
Sizes: S – 5X
Case Pack: 30



Shirt 07201
 • Snap closure
 • Long sleeves
Sizes: S – 5X
Case Pack: 50



Pants 07301
 • Elastic waist
Sizes: S – 5X
Case Pack: 50



Coverall 07412
 • Zipper closure
Sizes: S – 5X
Case Pack: 25



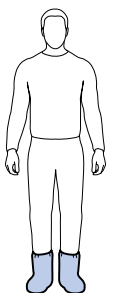
Coverall 07414
 • Zipper closure
 • Attached hood
 • Boots
 • Elastic wrists
Sizes: S – 5X
Case Pack: 25



Coverall 07417
 • Zipper closure
 • Elastic wrists
 • Elastic ankles
Sizes: S – 5X
Case Pack: 25



Coverall 07428
 • Zipper closure
 • Attached hood
 • Elastic wrists
 • Elastic ankles
Sizes: S – 5X
Case Pack: 25



Blue Boot Cover 07903B
 • Elastic top
 • 17" high
Sizes: S/M, L/XL, 2X
Case Pack: 200 pair



Blue Bell Shaped Hood 07903B
 • Elastic face
 • Covers shoulders
 • One size
Case Pack: 200 pair



All Pyrolon® Plus 2 garments are available in White or Blue. For Blue, add a "B" at the end of the style number.

Do not use for fire protection. Avoid open flame or intense heat. Pyrolon® Plus 2 garments are not washable. Washing removes the special finishes, thereby removing the flame retardancy, water and oil repellent characteristics.

Pyrolon® Plus 2 Physical Properties

Physical Property	Test Method	Units	Test Results
Basis Weight	ASTM D3776	oz/y ²	2.4 oz/y ²
Grab Tensile MD	ASTM D5034	lbs.	31.0 lbs.
Grab Tensile XD	ASTM D5034	lbs.	20.0 lbs.
Trapezoidal Tear MD	ASTM D5733	lbs.	4.5 lbs.
Trapezoidal Tear CD	ASTM D5733	lbs.	5.6 lbs.
Air Permeability	ASTM D737	cfm	52 cfm
Char Length MD	ASTM D6413	inches	3.70 inches
Char Length XD	ASTM D6413	inches	3.70 inches
Ignition Point	–	degrees F	1000° F
Charge Decay	NFPA 99		Pass

Pyrolon® XT

Serged Seams

Dry Particulate

Flame Resistant



Pyrolon® XT coveralls are “Tough as Nails”!

These flame resistant coveralls from Lakeland feature a set-in sleeve design meeting ANSI/ISEA 101-1996 so you can move easily and not worry about rip-outs. 70% stronger than Pyrolon® Plus 2, these garments are reinforced with a Cerex® Nylon scrim and a repellent finish. Our Pyrolon® XT wear is air permeable with very high MVTR's. They can be worn comfortably over Nomex® or Indura® FR garments to help keep grease and grime off the more expensive coveralls without compromising their properties. Pyrolon® XT is a cost effective garment for applications where FR clothing is required, such as on-site contractors or visitors. Pyrolon® XT can be used in work environments where hazardous or non-hazardous contaminants may be present.

Pyrolon® XT Physical Properties

Physical Property	Test Method	Units	Test Results
Basis Weight	ASTM D3776	oz/y2	2.9 oz/y2
Grab Tensile MD	ASTM D5034	lbs.	35.0 lbs.
Grab Tensile XD	ASTM D5034	lbs.	27.3 lbs.
Trapezoidal Tear MD	ASTM D5733	lbs.	9.6 lbs.
Trapezoidal Tear CD	ASTM D5733	lbs.	14.8 lbs.
Char Length MD	ASTM D6413	inches	4.0 inches
Char Length XD	ASTM D6413	inches	3.5 inches

Meets the NFPA 2113 requirements for section 5.1.9

Do not use for fire protection. Avoid open flame or intense heat. Pyrolon® XT garments are not washable. Washing removes the special finishes, thereby removing the flame retardancy, water and oil repellent characteristics.



Coverall 27412

- Zipper closure
- Sizes: S – 5X
Case Pack: 25



Coverall 27428

- Zipper closure
 - Attached hood
 - Elastic wrists
 - Elastic ankles
- Sizes: S – 5X
Case Pack: 25

Pyrolon® CRFR



Disposable, Chemical Resistant, and Flame Resistant, all rolled into one garment

Pyrolon® CRFR protective wear...They're unique. They're disposable. They're chemical resistant. And they're flame resistant, meeting NFPA 2113 requirements. Imagine, all these qualities in one protective garment. Only from Lakeland.

Pyrolon® CRFR garments bar contaminating flammables like paint, oil and grease, hazardous liquids and contaminants, and dry particulates from penetrating to inner clothing.

Pyrolon® CRFR features:

- Light chemical splash protection
- Self extinguishing
- Won't melt or drip
- Meets the NFPA 2113 requirements for section 5.1.9.
- Designed to be worn over primary FR protective clothing, for environments where flash fire is a concern.

Pyrolon® CRFR Physical Properties, 2.5 Mil

Physical Property	Test Method	Units	Test Results
Basis Weight		oz./sq. yd	4.92
Grab Tensile MD		lbs.	34
Grab Tensile XD		lbs.	27
Mullen Burst		lbs./sq.in.	35
Char Length MD		inches	4.7
Char Length XD		inches	4.5
Afterflame		seconds	<2
Thermal Protective Performance (TPP)		cal./cm2	6.8
Charge Decay	NFPA 99		Pass
Surface Resistance	EN1149-1:2006		Pass

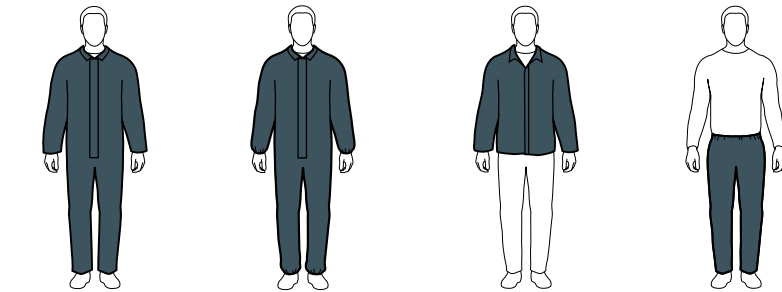
Pyrolon® CRFR Penetration Data, 2.5 Mil, ASTM F903

Challenge Chemical	CAS Number	Physical State	Penetration Result
Acetone	67-64-1	Liquid	>60
Acetonitrile	75-05-8	Liquid	>60
Benzene	71-43-2	Liquid	>60
Carbon Disulfide	75-15-0	Liquid	>60
Diesel Fuel	N/A	Liquid	>60
Diethylamine	109-89-7	Liquid	>60
Crude Oil	N/A	Liquid	>60
Ethyl Acetate	141-78-6	Liquid	>60
n-Hexane	110-54-3	Liquid	>60
Hexamethylene Diisocyanate	822-06-0	Liquid	>60
Hydrochloric Acid	7647-01-0	Liquid	>60
Methanol	67-56-1	Liquid	>60
Methyl Ethyl Ketone (MEK)	78-93-3	Liquid	>60
Methyl Isobutyl Ketone	108-10-1	Liquid	>60
Monochlorobenzene	108-90-7	Liquid	>60
n-Butyl Acetate	123-86-4	Liquid	>60
Orthodichlorobenzene, Grade F	95-50-1	Liquid	>60
Polychlorinated Biphenyl (PCB)	92-52-4	Liquid	>60
Sodium Hydroxide, 50%	1310-73-2	Liquid	>60
Sulfuric Acid, 98%	7664-93-9	Liquid	45
Surrogate Gasoline (Toulene 50%) (Isooctane 50%)	108-88-3 540-84-1	Liquid	>60
Tetrachloroethylene	127-18-4	Liquid	>60
Toluene	108-88-3	Liquid	>60
Trichlorobenzene Mixture	Mixture	Liquid	>60
Xylene	1330-20-7	Liquid	>60

Note: Chemical Resistance Data is in accordance with ASTM F903 test method. Testing is performed on fabric samples only, not finished garments. Sources for all test data are independent laboratories. All tests were performed under laboratory conditions and not actual use conditions.

5 Reasons to Choose Pyrolon® CRFR Protective Wear

- Unique
 - Chemical resistant
 - Meets NFPA 2113 requirements for Section 5.1.9
 - Disposable
 - Flame resistant
- All these qualities in one protective garment rolled into one.**
Only from Lakeland.



Coverall 51100

- Collar
- Storm flap over zipper
- Open wrists
- Open ankles
- Hemmed cuff

Sizes: S - 5XL
Case Pack: 6

Coverall 51110

- Collar
- Storm flap over zipper
- Elastic wrists
- Elastic ankles

Sizes: S - 5XL
Case Pack: 6

Jacket 51250

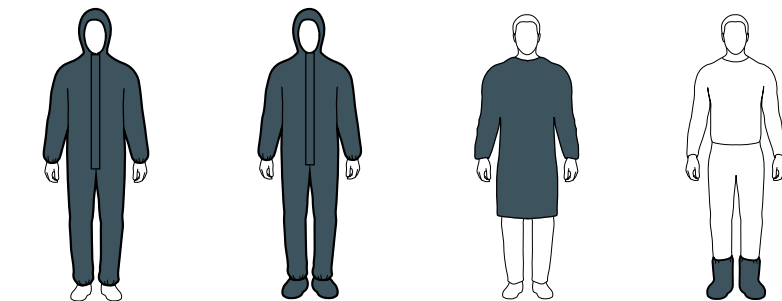
- Collar
- Elastic wrists
- Double storm flap
- Hook and loop closure

Sizes: S - 5XL
Case Pack: 6

Pant 51300 Pant

- Elastic waist
- Elastic ankles.

Sizes: M-4X
Case Pack: 6



Coverall 51130

- Hood
- Storm flap over zipper
- Elastic face
- Elastic wrists and ankles

Sizes: S - 5XL
Case Pack: 6

Coverall 51150

- Hood
- Storm flap over zipper
- Elastic face and wrists
- Attached boots

Sizes: S - 5XL
Case Pack: 6

Apron 51730

- Long sleeve
- Elastic wrists
- 32" length

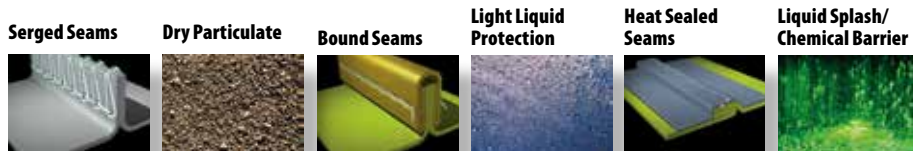
Sizes: S-4X
Case Pack: 12

Boot Covers 51740

- Elastic top
- 17" high

Sizes: One size
Case Pack: 12 pair

ChemMax® 1



Entry Level Chemical Protective Garment.

You've come to expect quality from Lakeland Industries. We've utilized our vast knowledge in the industry to develop a superior product in ChemMax® 1. Offering quality along with durability, this cost-effective entry level product will please distributors, safety engineers and plant purchasing managers. Whether you are in manufacturing, environmental clean up or chemical handling, you can trust the ChemMax® family of products to protect your workers from harm.

ChemMax® is constructed with a unique polyethylene barrier film and a continuous filament polypropylene nonwoven. ChemMax®1 garments bar many harmful contaminants from penetrating to inner clothing. Available with serged, bound and sealed seams for scalability, ChemMax® fits the Lakeland standard at a price you can afford.

ChemMax® 1 Physical Properties

Property	Test Method	Units	ChemMax® 1
Basis Weight	ASTM D3776	oz/sy	2.29
Grab Tensile MD	ASTM D5034	pounds	35
Grab Tensile XD		pounds	27
Trapezoidal Tear MD	ASTM D5733	pounds	13.8
Trapezoidal Tear XD		pounds	14.2
Ball Burst	ASTM D751	pounds	25.5

Permeation Data for ASTM Recommended List of Chemicals for Evaluating Protective Clothing Materials (ASTM F1001)

Challenge Chemical	CAS Number	Physical State	ChemMax® 1
Acetone	67-64-1	Liquid	imm.
Acetonitrile	75-05-8	Liquid	imm.
Ammonia Gas	7664-41-7	Gas	imm.
1,3-Butadiene Gas	106-99-0	Gas	imm.
Carbon Disulfide	75-15-0	Liquid	imm.
Chlorine Gas	7782-50-5	Gas	imm.
Dichloromethane	75-09-2	Liquid	imm.
Diethylamine	109-89-7	Liquid	imm.
Dimethyl Formamide	68-12-2	Gas	40 minutes
Ethyl Acetate	141-78-6	Liquid	imm.
Ethylene Oxide Gas	75-21-8	Gas	imm.
n-Hexane	110-54-3	Liquid	imm.
Hydrogen Chloride Gas	7647-01-0	Gas	imm.
Methanol	67-56-1	Liquid	imm.
Methyl Chloride Gas	74-87-3	Gas	imm.
Nitrobenzene	98-95-3	Liquid	45 minutes
Sodium Hydroxide, 50%	1310-73-2	Liquid	320 minutes
Sulfuric Acid, 96%	7664-93-9	Liquid	315 minutes
Tetrachloroethylene	127-18-4	Liquid	imm.
Tetrahydrofuran	109-99-9	Liquid	imm.
Toluene	108-88-3	Liquid	imm.

ND = None Detected

> = greater than

L = liquid

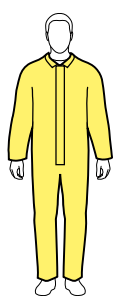
G = gas

Numbers reported are averages of samples tested by the ASTM F739 test method. Sample results do vary and therefore averages for these results are reported.

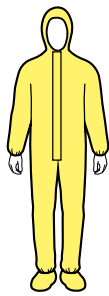
Warnings:

1. ChemMax® 1 is not flame resistant and should not be used around heat, flame sparks, or in potentially flammable or explosive environments.
2. Garments made of ChemMax® 1 should have slip resistant or anti-slip materials on the outer surface of boots, shoe covers or other garment surfaces in conditions where slipping could occur.

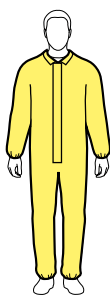
Note: Chemical Resistance Data is in accordance with ASTM F-739 test method. Testing is performed on fabric samples only, not finished garments. Sources for all test data are independent laboratory conditions and not actual use conditions.



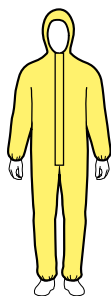
Coverall C5412 Serged Seam C55412 Bound Seam
 • Zipper with storm flap
Sizes: S – 5XL
Case Pack: 25



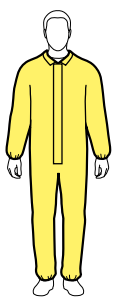
Coverall C5414 Serged Seam C55414 Bound Seam
 • Zipper with storm flap
 • Attached hood
 • Attached boots
 • Elastic wrists.
Sizes: S – 5XL
Case Pack: 25



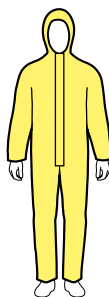
Coverall C5417 Serged Seam C55417 Bound Seam
 • Zipper with storm flap
 • Elastic wrists
 • Elastic ankles
Sizes: S – 5XL
Case Pack: 25



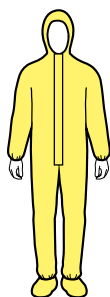
Coverall C5428 Serged Seam C55428 Bound Seam
 • Zipper with storm flap
 • Attached hood
 • Elastic wrists
 • Elastic ankles
Sizes: S – 5XL
Case Pack: 25



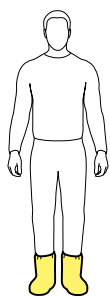
Coverall C70110 Sealed Seam
 • Collar
 • Storm flap over zipper.
 • Elastic wrists
 • Elastic ankles
Sizes: S – 5XL
Case Pack: 6



Coverall C70130 Sealed Seam
 • Zipper with storm flap
 • Elastic face
 • Elastic wrists
 • Elastic ankles
Sizes: S – 5XL
Case Pack: 6

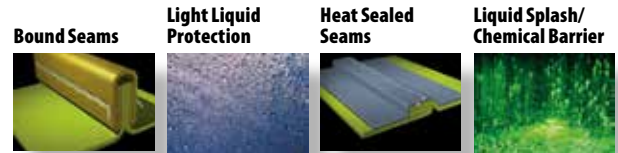


Coverall C70150 Sealed Seam
 • Zipper with storm flap
 • Attached hood
 • Elastic wrists
 • Attached boots
Sizes: S – 5XL
Case Pack: 6



Boot Covers C5903 Serged Seam
 • Elastic top
 • 17" high
Sizes: S/M, LG/XL, 2X
Case Pack: 200 pair

ChemMax® 2



ChemMax® 2 offers quality, value, durability and the proven protection of Dow Saranex® 23P barrier film

ChemMax® 2 is the second level of barrier protection in the new ChemMax® line of products from Lakeland Industries. ChemMax® 2 is a superior and economical chemical protective suit developed using the knowledge and expertise that you have come to expect from Lakeland. The unparalleled strength and softness of ChemMax® 2 features Dow Saranex® 23P film on two layers of a unique bi-component spunbond nonwoven substrate and provides protection for chemical mixing and handling, environmental clean up, hazardous materials remediation and response, pharmaceutical manufacturing, spray painting and general industry. ChemMax® 2 is useful in protecting against hazardous chemicals and contaminants found in the work place.

ChemMax® 2 Physical Properties

Property	Test Method	Units	ChemMax® 2
Basis Weight	ASTM D3776	oz/sy	4.3
Grab Tensile MD	ASTM D5034	pounds	47
Grab Tensile XD		pounds	33.9
Trapezoidal Tear MD	ASTM D5733	pounds	29.95
Trapezoidal Tear XD		pounds	12.47
Ball Burst	ASTM D751	pounds	48
Surface Resistance	EN1149-1:2006	Pass/Fail	Pass

Permeation Data for ASTM Recommended List of Chemicals for Evaluating Protective Clothing Materials (ASTM F1001)

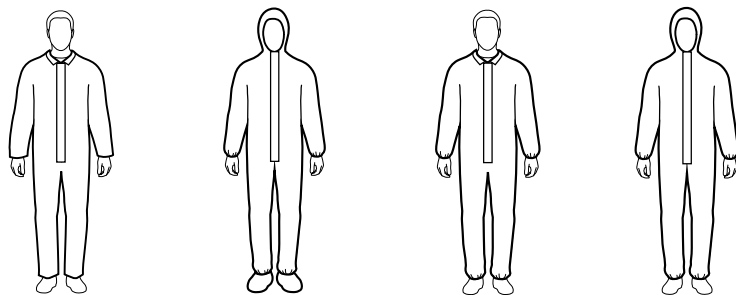
Challenge Chemical	CAS Number	Physical State	ChemMax® 2
Acetone	67-64-1	Liquid	9
Acetonitrile	75-05-8	Liquid	<15
Ammonia Gas	7664-41-7	Gas	15
1,3-Butadiene Gas	106-99-0	Gas	>480
Carbon Disulfide	75-15-0	Liquid	imm.
Chlorine Gas	7782-50-5	Gas	>480
Dichloromethane	75-09-2	Liquid	imm.
Diethylamine	109-89-7	Liquid	imm.
Dimethyl Formamide	68-12-2	Gas	18
Ethyl Acetate	141-78-6	Liquid	21
Ethylene Oxide Gas	75-21-8	Gas	24
n-Hexane	110-54-3	Liquid	21
Hydrogen Chloride Gas	7647-01-0	Gas	>410
Methanol	67-56-1	Liquid	>480
Methyl Chloride Gas	74-87-3	Gas	>480.
Nitrobenzene	98-95-3	Liquid	45
Sodium Hydroxide, 50%	1310-73-2	Liquid	>480
Sulfuric Acid, 98%	7664-93-9	Liquid	>480
Tetrachloroethylene	127-18-4	Liquid	imm.
Tetrahydrofuran	109-99-9	Liquid	imm.
Toluene	108-88-3	Liquid	imm.

ND = None Detected
 > = greater than
 L = liquid
 G = gas
 Numbers reported are averages of samples tested by the ASTM F739 test method. Sample results do vary and therefore averages for these results are reported.

Warnings:

1. ChemMax® 2 is not flame resistant and should not be used around heat, flame sparks, or in potentially flammable or explosive environments.
2. Garments made of ChemMax® 2 should have slip resistant or anti-slip materials on the outer surface of boots, shoe covers or other garment surfaces in conditions where slipping could occur.

Note: Chemical Resistance Data is in accordance with ASTM F-739 test method. Testing is performed on fabric samples only, not finished garments. Sources for all test data are independent laboratory conditions and not actual use conditions.



Coverall C44412 Bound Seam

- Zipper with storm flap
- Sizes:** S – 5XL
Case Pack: 12

Coverall C44414 Bound Seam

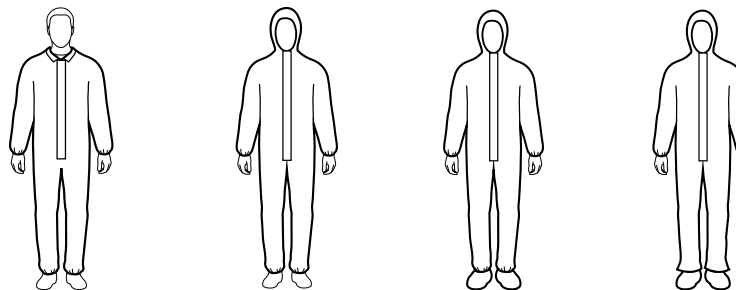
- Zipper with storm flap
 - Attached hood
 - Attached boots
 - Elastic wrists
- Sizes:** S – 5XL
Case Pack: 12

Coverall C44417 Bound Seam

- Zipper with storm flap
 - Elastic wrists
 - Elastic ankles
- Sizes:** S – 5XL
Case Pack: 12

Coverall C44428 Bound Seam

- Zipper with storm flap
 - Attached hood
 - Elastic wrists
 - Elastic ankles
- Sizes:** S – 5XL
Case Pack: 12



Coverall C72110 Sealed Seam

- Collar
 - Storm flap over zipper.
 - Elastic wrists
 - Elastic ankles
- Sizes:** S – 5XL
Case Pack: 6

Coverall C72130 Sealed Seam

- Zipper with storm flap
 - Elastic face
 - Elastic wrists
 - Elastic ankles
- Sizes:** S – 5XL
Case Pack: 6

Coverall C72150 Sealed Seam

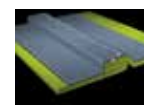
- Zipper with storm flap
 - Attached hood
 - Elastic wrists
 - Attached boots
- Sizes:** S – 5XL
Case Pack: 6

Coverall C72165 Sealed Seam

- Respirator fit hood
 - Storm flap over zipper
 - Attached boots with boot flaps
 - Velcro® closure over zipper
- Sizes:** S – 5XL
Case Pack: 6

ChemMax® 3

Heat Sealed Seams



Liquid Splash/Chemical Barrier



Advanced chemical protection for industrial, emergency responder and law enforcement.

ChemMax® 3 uses the latest technology to produce a superior product. Durable and lightweight, ChemMax® 3 provides a barrier against a broad spectrum of toxic industrial chemicals, dual-use chemicals, chemical warfare agents and other harmful contaminants.

The multi-layer film is applied to a heavy polypropylene nonwoven for increased strength and durability. The barrier film is significantly softer than other products on the market, resulting in a quiet, more comfortable garment.

Put your trust in a ChemMax® 3 garment and you will feel confident that you are doing your best to protect your team from the dangers lurking around them.

ChemMax® 3 Physical Properties

Property	Test Method	Units	ChemMax® 3
Basis Weight	ASTM D3776	oz/sy	4.5
Grab Tensile MD	ASTM D5034	pounds	58.7
Grab Tensile XD		pounds	42.2
Trapezoidal Tear MD	ASTM D5733	pounds	25.6
Trapezoidal Tear XD		pounds	19.8
Ball Burst	ASTM D751	pounds	54.5
Surface Resistance	EN1149-1:2006	Pass/Fail	Pass

Permeation Data for ASTM Recommended List of Chemicals for Evaluating Protective Clothing Materials (ASTM F1001)

Challenge Chemical	CAS Number	Physical State	ChemMax® 3
Acetone	67-64-1	Liquid	>480
Acetonitrile	75-05-8	Liquid	>480
Ammonia Gas	7664-41-7	Gas	>480
1,3-Butadiene Gas	106-99-0	Gas	>480
Carbon Disulfide	75-15-0	Liquid	178
Chlorine Gas	7782-50-5	Gas	>480
Dichloromethane	75-09-2	Liquid	>480
Diethylamine	109-89-7	Liquid	imm.
Dimethyl Formamide	68-12-2	Gas	>480
Ethyl Acetate	141-78-6	Liquid	>480
Ethylene Oxide Gas	75-21-8	Gas	>480
n-Hexane	110-54-3	Liquid	>480
Hydrogen Chloride Gas	7647-01-0	Gas	>480
Methanol	67-56-1	Liquid	>480
Methyl Chloride Gas	74-87-3	Gas	>480.
Nitrobenzene	98-95-3	Liquid	>480
Sodium Hydroxide, 50%	1310-73-2	Liquid	>480
Sulfuric Acid, 98%	7664-93-9	Liquid	>480
Tetrachloroethylene	127-18-4	Liquid	>480
Tetrahydrofuran	109-99-9	Liquid	320
Toluene	108-88-3	Liquid	>480

ND = None Detected

> = greater than

L = liquid

G = gas

Numbers reported are averages of samples tested by the ASTM F739 test method. Sample results do vary and therefore averages for these results are reported.

Warnings:

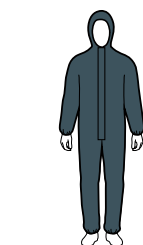
- ChemMax® 3 is not flame resistant and should not be used around heat, flame sparks, or in potentially flammable or explosive environments.
- Garments made of ChemMax® 3 should have slip resistant or anti-slip materials on the outer surface of boots, shoe covers or other garment surfaces in conditions where slipping could occur.

Note: Chemical Resistance Data is in accordance with ASTM F-739 test method. Testing is performed on fabric samples only, not finished garments. Sources for all test data are independent laboratory conditions and not actual use conditions.



Coverall C3T110 Sealed Seam

- Collar
 - Storm flap over zipper.
 - Elastic wrists
 - Elastic ankles
- Sizes:** S – 5XL
Case Pack: 6



Coverall C3T130 Sealed Seam

- Zipper with storm flap
 - Elastic face
 - Elastic wrists
 - Elastic ankles
- Sizes:** S – 5XL
Case Pack: 6



Coverall C3T150 Sealed Seam

- Zipper with storm flap
 - Attached hood
 - Elastic wrists
 - Attached boots
- Sizes:** S – 5XL
Case Pack: 6



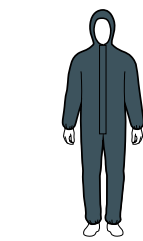
Coverall C3T151

- Respirator-fit hood
 - Storm flap over zipper
 - Elastic face
 - Elastic wrists
 - Attached boots
- Sizes:** S – 5XL
Case Pack: 6



Coverall C3T165

- Attached respirator-fit hood
 - Double storm flap
 - Hook and loop closure
 - Elastic face and wrists
 - Attached boots with boot flaps
- Sizes:** S – 5XL
Case Pack: 6



Coverall C3T166

- Respirator fit hood
 - Double storm flap over zipper
 - Elastic wrists and ankles
 - Velcro® closure over zipper
- Sizes:** S – 5XL
Case Pack: 6



Encapsulated Suit C3T400

- Rear entry/Flat back
 - 48" zipper/Storm flap
 - 20 mil PVC face shield
 - Elastic wrists
 - 1 exhaust port/shroud
 - Air tube inlet
 - Attached sock boots with boot flap
 - Suit is not gas/vapor tight
- Sizes:** S – 5XL
Case Pack: 1

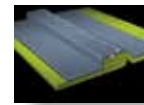


Encapsulated Suit C3T450, Level B

- Rear entry
 - Expanded back
 - 48" zipper
 - Double storm flap
 - 20 mil PVC face shield
 - Elastic wrists
 - 2 exhaust ports/shroud
 - Attached sock boots with boot flap
 - Suit is not gas/vapor tight
- Sizes:** S – 5XL
Case Pack: 1

ChemMax® 4 Plus

Heat Sealed Seams



Liquid Splash/Chemical Barrier



Maximum Protection!

- Advanced chemical barrier
- Heat Sealed seams on all styles
- Respirator Fit Hoods for maximum protection
- Expanded chemical data with higher hold-out times
- Protective boot “socks” on select styles

Supported by



ChemMax® 4 Plus Physical Properties

Property	Test Method	Units	ChemMax® 4 Plus
Basis Weight	ASTM D3776	oz/sy	7.5
Grab Tensile MD	ASTM D5034	pounds	93.4
Grab Tensile XD		pounds	80.3
Trapezoidal Tear MD	ASTM D5733	pounds	24.4
Trapezoidal Tear XD		pounds	18.7
Ball Burst	ASTM D751	pounds	83

ChemMax® 4 Plus Permeation Testing - ASTM F1001

Challenge Chemical	CAS Number	Physical State	ChemMax® 4
Acetone	67-64-1	Liquid	>480
Acetonitrile	75-05-8	Liquid	>480
Ammonia Gas	7664-41-7	Gas	>480
1,3-Butadiene Gas	106-99-0	Gas	>480
Carbon Disulfide	75-15-0	Liquid	>480
Chlorine Gas	7782-50-5	Gas	>480
Dichloromethane	75-09-2	Liquid	>480
Diethylamine	109-89-7	Liquid	>480
Dimethyl Formamide	68-12-2	Gas	>480
Ethyl Acetate	141-78-6	Liquid	>480
Ethylene Oxide Gas	75-21-8	Gas	>480
n-Hexane	110-54-3	Liquid	>480
Hydrogen Chloride Gas	7647-01-0	Gas	>480
Methanol	67-56-1	Liquid	>480
Methyl Chloride Gas	74-87-3	Gas	>480
Nitrobenzene	98-95-3	Liquid	>480
Sodium Hydroxide, 50%	1310-73-2	Liquid	>480
Sulfuric Acid, 98%	7664-93-9	Liquid	>480
Tetrachloroethylene	127-18-4	Liquid	>480
Tetrahydrofuran	109-99-9	Liquid	>480
Toluene	108-88-3	Liquid	>480

ND = None Detected | > = greater than | L = liquid | G = gas
 Numbers reported are averages of samples tested by the ASTM F739 test method. Sample results do vary and therefore averages for these results are reported.

Warnings:

1. ChemMax® 4 Plus is not flame resistant and should not be used around heat, flame sparks, or in potentially flammable or explosive environments.
2. Garments made of ChemMax® 4 Plus should have slip resistant or anti-slip materials on the outer surface of boots, shoe covers or other garment surfaces in conditions where slipping could occur.

Note: Chemical Resistance Data is in accordance with ASTM F-739 test method. Testing is performed on fabric samples only, not finished garments. Sources for all test data are independent laboratory conditions and not actual use conditions.



Coverall PS42110 (Tan)

- Collar
- Storm Flap over Zipper
- Elastic Wrists and Ankles
- Sizes: S – 5X
- Case Pack: 6



Coverall PS42132 (Tan)

- Respirator Fit Hood
- Storm Flap over zipper
- Elastic face, wrists and Ankles
- Sizes: S – 5X
- Case Pack: 6



Coverall PS41151 (Yellow) PS42151 (Tan)

- Respirator-fit hood
- Storm flap over zipper
- Elastic face and wrists
- Attached boots
- Sizes: S – 5X
- Case Pack: 6



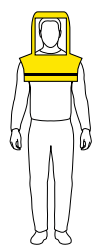
Coverall PS41165 (Yellow) PS42165 (Tan)

- Attached respirator-fit hood
- Double storm flap
- Hook and loop closure
- Elastic face and wrists
- Attached boots with boot flaps
- Sizes: S – 5X
- Case Pack: 6



Coverall PS42166 (Tan)

- Respirator Fit Hood
- Double Storm Flap with hook and loop closure
- Elastic Wrists and Ankles
- Sizes: S – 5X
- Case Pack: 6



Hood Short Bib Style PS41714 (Yellow)

- 20 mil PVC lens.
- Sizes: One Size
- Case Pack: 6



Boot Covers PS41740 (Yellow)

- Elastic top
- Sizes: One Size
- Case Pack: 12 pair



Level B Encapsulated Suit PS41450 (Yellow) PS42450 (Tan)

- Rear entry
- Expanded back
- 48" zipper
- Double storm flap
- 20 mil PVC face shield
- Elastic wrists
- 2 exhaust ports with shroud
- Air tube inlet
- Attached sock boots with boot flap
- Suit is not gas/vapor tight
- Sizes: M – 4XL
- Case Pack: 3



Level B Encapsulated Suit PS41400 (Yellow)

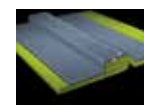
- Rear entry
- Flat back
- 48" zipper
- Double storm flap
- 20 mil PVC face shield
- Elastic wrists
- 1 exhaust port with shroud
- Air tube inlet
- Attached sock boots with boot flap
- Suit is not gas/vapor tight
- Sizes: M – 4XL
- Case Pack: 3

Available Colors: Yellow and Tan



Interceptor®

Heat Sealed Seams



Liquid Splash/Chemical Barrier



Interceptor® is your first line of defense against extreme chemical hazards.

Interceptor® is the apex of Lakeland Industries' chemical protective clothing line. Manufactured to meet CE type 1 requirements and available in encapsulated and non-encapsulated configurations, there is an Interceptor® suit for your needs be it gas, vapor, aerosol, liquids, harmful contaminants or particulate protection.

Interceptor Features

- PTFE visor process permanently seals the visor into the suit with no sewing involved so that liquids can't penetrate the visor edge
- Available in CE type 1 certified level A as well non-encapsulating configurations.
- PTFE outer layer on visor prevents impairment of vision due to chemical contact
- Attached gloves include non-reversing Silver Shield inner glove with Butyl outer glove

Interceptor® Physical Properties

Physical Property	Test Method	Units	Test Results
Basis Weight	ASTM D3776	oz/y2	9
Grab Tensile MD	ASTM D5034	lbs.	216 lbs.
Grab Tensile XD	ASTM D5034	lbs.	165 lbs.
Trapezoidal Tear MD	ASTM D5733	lbs.	43.7 lbs.
Trapezoidal Tear CD	ASTM D5733	lbs.	57.9 lbs.
Ball Burst	ASTM D3787	lbs.	173 lbs.

Permeation Data for ASTM Recommended List of Chemicals for Evaluating Protective Clothing Materials (ASTM F1001)

Chemical Name	Physical Phase	Normalized Break-through Time (min.)	CAS No.
Acetone	L	>480	67-64-1
Acetonitrile	L	>480	75-05-8
Ammonia (gas)	G	>480	7664-41-7
1,3- Butadiene	G	>480	106-99-0
Carbon disulfide	L	>480	75-15-0
Chlorine gas	G	>480	7782-50-5
Dichloromethane	L	>480	75-09-2
Diethylamine	L	>480	109-89-7
N,N-Dimethylformamide	L	>480	68-12-2
Ethyl acetate	L	>480	141-78-6
Ethylene oxide	G	>480	75-21-8
n-Hexane	L	>480	110-54-3
Hydrogen chloride	G	>480	7647-01-0
Methanol	L	>480	67-56-1
Methyl chloride	G	>480	74-87-3
Nitrobenzene	L	>480	98-95-3
Sodium hydroxide, 50%	L	>480	1310-73-2
Sulfuric acid (conc.)	L	>480	7664-93-9
Tetrachloroethylene	L	>480	127-18-4
Tetrahydrofuran	L	>480	109-99-9
Toluene	L	>480	108-88-3

> = greater than, L = liquid, G = gas

Note: Chemical Resistance Data is in accordance with ASTM F-739 test method. Testing is performed on fabric samples only, not finished garments. Sources for all test data are independent laboratory conditions and not actual use conditions.

Permeation Data for 595 Class/Subclass Chemical Warfare Agents

Agent	Common Name	CAS Number	Avg. Breakthrough Time
GA	Tabun	77-80-6	> 60 min.
GB	Sarin	107-44-8	> 60 min.
GD	Soman	99-64-0	> 60 min.
HD	Sulfur Mustard	505-60-2	> 60 min.
L	Lewisite	541-25-3	> 60 min.
VX	VX	50782-69-9	> 60 min.

Testing stopped at 60 minutes in accordance with NFPA 1991, 2005 requirements
> = greater than, < = less than, nt = not tested



80640/80640W - Wide-View Face Shield

Blue CE Type 1:EN943:2005 Vapor tight (Level A) Deluxe Encapsulating Suit- Fully encapsulated, front-entry vapor-protective suit. Available in wide-view face shield configuration as 80640W. Storage bag included.

Sizes: S – 5X
Case Pack: 1



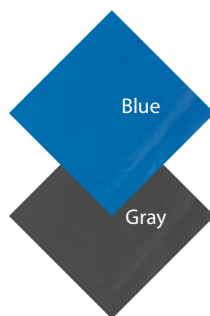
80650/80650W - Wide-View Face Shield

Blue CE Type 1:EN943:2005 Vapor tight (Level A) Deluxe Encapsulating Suit- Fully encapsulated, rear-entry vapor-protective suit. Available in wide-view face shield configuration as 80650W. Storage bag included.

Sizes: S – 5X
Case Pack: 1

Interceptor® Colors

Interceptor® chemical clothing is available in Blue and Gray.



For an instructional video on how to perform an encapsulated chemical suit pressure test, go to the Lakeland web site at www.lakeland.com

Chemical Options and Accessories



LEVEL A/NFPA Test Kit

Maintain your encapsulated suits with this easy to use test kit. Kit features an easy-to-read Magnehelic pressure gauge, digital timer, sturdy brass and steel fittings, hoses and connectors in a waterproof case. Complete instructions included.

- Part No. 00010** – Level A Test Kit
- Part No. 00011** – NFPA Test Kit
- Part No. 00013** – Twist Lock valve fitting
- Part No. 00015** – Adaptor for test kit to test DuPont Level A Suits
- Part No. 00017** – Adapters for DuPont test kit to test Lakeland suits.
- Part No. 00220** – International Universal test kit. Convertible to 220V and 110V.



Quick Disconnect Assembly for Gloves Option G7

Replacing the gloves on your encapsulated suit is a snap with this quick disconnect assembly. Twist off-twist on action makes for easy removal and installation. Outer replacement assemblies available.



ONEGlove® System, Option G3

The ONEGlove® system by Saint-Gobain consists of a Hazmat glove which has a Kevlar® outer glove, Nomex® inner glove, and a Fluoropolymer barrier film.

Options for Lakeland Interceptor® Level A and B Chemical Suits

Option Description		
A1 Add 1 side air tube	P2	Scott® pass-thru with Schrader fitting (NFPA approved on ensembles)
B1 Add hook and loop to boot flaps	P3	Standard pass-thru (not NIOSH approved)
F1 Add 10 mil Teflon® faceshield	P4	Survivair® pass-thru with Hanson® fittings
F3 Add 20 mil PVC faceshield	P6	Draegar pass-thru with Hanson® fittings
F4 Add 40 mil PVC faceshield	P7	Draegar pass-thru with Foster® fittings
G3 Add OneGlove® system to chemical suit	P14	North pass-thru with Hanson® fittings
G5 Seal-tight glove system	R2	Reinforce crotch and elbows
G6 North Silvershield® gloves heat sealed to suit	R4	Reinforce elbows
G7 Quick disconnect assembly for gloves	R5	Reinforce knees
G8 Replacement quick disconnect outer glove assembly, Butyl® (per pair)	S1	Add sleeve guards
G9 Replacement quick disconnect outer glove assembly, Viton® (per pair)	S2	Add double storm flap with hook and loop closure
GA Glove O-ring and clamp assembly	S3	Add double storm flap with snaps
I1 Inspect, retest and recertify Level A suit*	V1	Add 1 exhaust valve with cover
I2 Install customer supplied pass-thru	V2	Add 2 exhaust valves with covers
N1 Add reflective numbers or letters to suit (4 max) each	Z1	Invert zipper on Level A
P1 Scott® pass-thru with Hanson® fittings		

Accessories for Interceptor® Level A and B chemical suits

Option	Description	Cooling Vest
00001	PVC glove ring	00055 Phase Change® Vest, poly cotton outershell
00020	25 mil Butyl gloves	00056 Phase Change® Vest, Banox® (FR Cotton) outershell
00021	Viton® gloves	00057 Set of 4 Phase Change® inserts
00024	17 mil Butyl glove	00058 Phase Change® Vest, Nomex® outershell
00025	North Silvershield® gloves	
00027	Kevlar® knit gloves	
Boot Covers and Boots		Storage Bags
00045	Onguard EZ Fit Hazmax® boots (NFPA Certified)	00750 Level A storage bag
00046	Tingley® Hazmat Boots (NFPA Certified)	00760 Lakeland Utility Bag (Small)
		00770 Lakeland Utility Bag (Large)
		Valves
		00014 Exhaust Valve



Hook and Loop Closure Boot Flap Option B1

Get your boots on and off easier with this hook and loop closure feature. After donning chemical boots, simply press the hook and loop closure together and you are ready to roll!

**WARNING! THESE SUITS ARE FOR TRAINING IN LEVEL A PROCEDURES ONLY!
DO NOT USE IN ACTUAL HAZMAT ENVIRONMENTS!**

ChemMax® 1 Encapsulated Training Suit C55450RE

ChemMax® 1 Encapsulated Training Suit, back entry, expanded back, Mylar® lens, bound seams. **Training Use Only!**
Case Pack: 6



Encapsulated Nylon Training Suit

95494 (Rear Entry)
95493 (Front Entry)
Encapsulated Nylon Training Suit, expanded back, sewn seams, 20 mil PVC faceshield, single storm flap, butyl gloves, 2 exhaust ports, attached sock boots.
Training Use Only! Case Pack: 1



Interceptor Training Suit 80491 (Rear Entry) 80497 (Front Entry)

Encapsulated front or rear entry with expanded back. Training suit with a 20 Mil PVC lens, 48" non separator cloth zipper that zips from bottom to top, zipper is reinforced at top and bottom with webbing on the outer side, double storm flap, exhaust port on back right side of hood, 1 exhaust port on left back side of body, sock boots, boot flaps sewn on, PVC gloves sewn on, Internal belt loops and assembled belt. No hem on splash guard or dump valve covers.
Training Use Only! Case Pack: 1



Phase Change Cool Vest



Wear a Cool Vest underneath a chemical protective suit and stay cool!

Get Comfortable with a Phase Change Cool Vest® from Lakeland Industries

Working in HazMat/Protective suits can make anyone lose their cool. The Phase Change Cool Vests® worn under these suits give the user a greater degree of comfort. In fact, it creates a climate of 58° F. /14° C for up to three hours (depending on work environment).

How Do They Work?

These vests create a cooling energy from a unique Phase Change Material that is mechanically sealed in durable inserts. After freezing the inserts in ice water or a refrigerator for just 30 minutes, the vests deliver the constant cool temperature.

Unlike frozen water or gel products, our Phase Change Material maintains a consistent temperature of 58° F. /14° C during its transition from a solid to a liquid. This ensures that the wearer receives a constant cooling temperature throughout the entire two to three hour period.

Safe and Effective

At Lakeland Industries, we are very concerned about the materials we use in our products. Our Phase Change Material is made of a proprietary blend of alkanes with unique thermal properties. The inserts are non-toxic and non-flammable and can be used over and over again. To achieve continuous cooling, additional insert sets are available so the user can rotate each set.

Comfort is Key

Designed for comfort, these vests are washable and lightweight. The built-in side and shoulder adjustments provide a better fit. To suit a variety of users, the vests come in many styles, sizes and fabrics, including polycotton and Nomex®.

If you want a safe and effective way to keep your workers cool, get the Phase Change Cool Vest®, available at Lakeland.

Style 00055 – Polycotton Cool Vest® with Phase Change inserts. **Case Pack:** 1

Style 00058 – Nomex® Cool Vest® with Phase Change inserts. **Case Pack:** 1

Style 00056 – Banox (FR Cotton) with Phase Change inserts. **Case Pack:** 1

Style 00057 – Set of 4 Cool Vest replacement inserts. **Case Pack:** 1

Adjustable straps make a comfortable fit!



Cut Resistant Gloves and Sleeves



SpiderGrip® Cut Resistant Work Gloves

Style 96-5205 Spider Grip High Performance Polyethylene (HPPE) polyurethane dipped glove, cut level 3, sizes S-XL

- Advanced protection of high performance fibers
- Seamless design
- Ergonomic fit
- Super cut and Puncture Protection
- Long wearing



ShurRite® Kevlar® Cut Resistant Gloves

Style 21-1634 7 gauge 100% Kevlar knit glove, black PVC dots, (2 sides), cut level 2, sizes S-XL.

- Excellent cut resistance
- Heat resistant
- Out last cotton, leather and coated gloves
- Excellent dexterity and flexibility
- Breathable for better comfort



Kevlar® Sleeves

Style 41822 100% Kevlar, 2 ply sleeve, 3" width, cut level 2, 18 in length.

Style 41822TH 100% Kevlar, 2 ply sleeve, 3 in width, thumb hole, cut level 2, 18 in length.

- Excellent cut resistance
- Heat resistant
- Convenient thumb hole design
- Available in 14" to 24 in length

Warranty and Warnings

Warranty Information

It is the responsibility of the user to select garments or products which are appropriate for each intended use and which meet all specified government and industry standards.

IMPROPER USE OF THESE PRODUCTS MAY RESULT IN PERSONAL INJURY OR DEATH. IMPROPER USE INCLUDES, BUT IS NOT LIMITED TO IMPROPER SELECTION, USE WITHOUT ADEQUATE TRAINING, DISREGARDING THESE WARNINGS AND INSTRUCTIONS SUPPLIED WITH THE PRODUCTS AND FAILURE TO INSPECT AND MAINTAIN THE PRODUCTS. THESE PRODUCTS ARE INTENDED TO BE USED ONLY IN CONJUNCTION WITH THE ENVIRONMENTAL PROTECTION AGENCY (EPA) RULES AND REGULATIONS, (<http://www.epa.gov/lawsregs/>) AND THE REQUIREMENTS OF OSHA SAFETY AND HEALTH STANDARD 29 CFR 1910 AVAILABLE FROM THE U.S. DEPARTMENT OF LABOR, OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION, (<http://www.osha.gov>), AND OTHER

PERTINENT NATIONALLY RECOGNIZED STANDARDS, SUCH AS THOSE PROMULGATED BY THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) (www.nfpa.org), THE AMERICAN SOCIETY FOR TESTING MATERIALS (ASTM) (www.astm.org), THE NATIONAL INSTITUTE OF OCCUPATIONAL SAFETY AND HEALTH (NIOSH) (www.cdc.gov/niosh/rpg), AND THE U.S. COAST GUARD OR DEPARTMENT OF DEFENSE. It is incumbent upon the wearer and legally required of an employer to read and understand these regulations.

THESE PRODUCTS ARE NOT FLAME RESISTANT AND SHOULD NOT BE USED AROUND HEAT, FLAME, SPARKS, OR IN POTENTIALLY FLAMMABLE OR EXPLOSIVE ENVIRONMENTS EXCEPT WHERE OUR GARMENTS ARE SPECIFICALLY ADVERTISED AS FIRE RESISTANT OR RETARDANT.

NO EXPRESSED OR IMPLIED WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE OR OF MERCHANTABILITY OR OTHERWISE IS MADE. Purchaser and all garment users shall promptly notify Lakeland Industries, Inc. of any

claim, whether based on contract, negligence, strict liability or otherwise.

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Purchaser and all users are responsible for inspection and proper care of this product as described in any OF OUR care and use manuals and are responsible for all loss or damages from use or handling which results from conditions beyond the control of the manufacturer.

Product safety information is available upon

request. This information corresponds to our current knowledge on the subject. It is offered solely to provide possible suggestions for your own experimentations. It is not intended, however, to substitute for any testing you may need to conduct to determine for yourself the suitability of our products for your particular purposes. It is the user's responsibility to determine the level of risk and the proper protective equipment needed for the user's particular purposes. This information may be subject to revision as new knowledge and experience becomes available. Since we cannot anticipate all variations in actual end-use conditions, **LAKELAND INDUSTRIES, INC. MAKES NO WARRANTIES AND ASSUMES NO LIABILITY IN CONNECTION WITH ANY USE OF THIS INFORMATION.** Nothing in this publication is to be considered as a license to operate under or a recommendation to infringe any patent right.

Warnings and Limitations

Lakeland's garments and products are not suitable for use in all situations and environments with all chemical and hazardous materials. All decisions regarding the choice and usage of chemical protective clothing must be done by trained and qualified safety professionals in accordance with all OSHA and EPA Rules and regulations. Failure to follow such regulations absolves Lakeland Industries, Inc. from all liability. It is the user's responsibility to determine the level of exposure and the proper personal protective equipment needed. It is the employer's LEGAL RESPONSIBILITY to provide PROPER protective clothing to employees, and provide adequate care, use and maintenance of these garments as only your employer knows the conditions under which the wearer works. Lakeland has no such knowledge, so ask your employer about what is required under the law and appropriate to your specific work application.

Lakeland chemical protective ensembles that are certified to NFPA 1991 require an over-cover. The protective over-cover provides additional protection against abrasion, cut, tear or puncture, and direct flame impingement. (All NFPA compliant Interceptor® ensembles utilize specific, multiple glove combinations and specific boots. All components of the specified ensemble must be worn to be compliant with the requirements of this standard.)

Lakeland protective garments will burn except where our garments are specifically advertised as fire resistant. These garments should not be worn around heat, open flames, sparks or any other possible ignition source nor in potentially explosive or flammable environments.

If the Lakeland protective garment or product is abraded, cut, torn, punctured or otherwise and in any way breached, do not

use. The protective garment material has finite resistance to abrasion, cut, tear and puncture. It is the responsibility of the employer and the wearer to inspect Lakeland garments or products prior to use to insure the integrity of the products, garments and components.

If the Lakeland protective product or garment are damaged during use, retreat immediately to a safe environment, thoroughly decontaminate the garment, then dispose of it in a safe manner.

Limitations of Use

Lakeland protective garments are not intended for protection against radiological hazards.

If the danger of exposure to biological aerosols or chemical warfare chemicals exists, the use of a protective ensemble certified to the optional Chemical and Biological Terrorism requirements of NFPA 1991 (2005 Edition) or garments certified to Class 2 of NFPA 1994 should be considered. Each of these standards provides different levels of performance.

Chemical Permeation Data

Before using a protective ensemble, garments or products in a chemical situation, consult the chemical permeation data appropriate to the garment or product material. Note that seams, visors and closures will generally have lower or different permeation times than the garments' material. This information is to be used as a guide only. The permeation performance of any material depends on a number of factors including chemical concentration, temperature, time and amount of exposure. Due to the large number of variables, it is impossible for all ensemble materials to be tested against all elements, chemicals, all combinations or mixtures thereof, and all temperatures at which the element or chemical might be encountered.

Chemical permeation tests are performed under laboratory conditions -- not actual workplace conditions. They address chemical breakthrough characteristics and do not account for physical performance characteristics that affect a barrier such as abrasion, flex fatigue, puncture, tear, oxidative degradation, or degraded performance due to previous use contaminations.

No single protective material will protect against all chemicals for all situations. The best course of action is to test the primary protective garment materials against the specific chemical hazard, at the temperature and in the concentrations to be encountered. Lakeland Industries, Inc. will provide free swatches of primary garment materials for testing and can provide you with a list of testing facilities.

Never Use Pure Oxygen

The use of 100% oxygen with these garments

presents serious fire safety and health hazards. Use only properly functioning breathing quality, compressed air, air line supplied breathing air, or a rebreather system. Note that some rebreather systems utilize small oxygen cylinders, but these do not create enriched oxygen atmosphere.

Wearing garments made of fire retardant cottons, aramids or modacrylics under or over Lakeland light non-woven, ChemMax® or Interceptor® garments will not reduce burn injury during a flash fire. Our products and garments will burn and possibly melt when exposed to flash fire; this is likely to increase burn injuries even when worn over flame resistant fabrics. This is also true of Lakeland MicroMax® NS, MicroMax® NS Cool Suit, MicroMax®, MicroMax® HBF, MicroMax® 3P, MicroMax® 3P Cool Suit, SafeGard®, SafeGard® Economy SMS, ZoneGard®, Rytex®, ChemMax® and Interceptor® line of products and other Lakeland light non-woven fabric lines. *However*, Pyrolon® fabrics and garments are intended to be worn over fire retardant cottons, aramids and modacrylics.

Therefore users of any of these flammable garments should not enter an environment in which the concentration of flammable gas (such as paint fumes, hydrocarbon fumes or pure oxygen) has reached a concentration which is within flammable, ignitable or explosive limits, causing a fire or flash fire.

Simply stated, if there is a flash fire, nothing will protect you from severe burns or death. Therefore, it is the user's responsibility to think before working in even a potential flammable gaseous atmosphere.

Lakeland's light non-woven fabrics, Chemax® and Interceptor® line, are not intended for fire fighting activities, nor for protection from hot liquids, steam, molten metals, welding, electrical arc or thermal radiation. **USE COMMON SENSE! DO NOT SMOKE, OR USE ELECTRICAL MACHINERY, AND INSURE USE OF PROPER BONDING AND GROUNDING** where flammable gas, liquids or solids exist. Anti-static treatments and coatings are not adequate for all environmental conditions. Static electricity in non-humid or winter environments can cause a deadly flash fire where flammables are present in the workplace. Lakeland's garments are intended to help reduce the potential for injury, but no protective apparel alone can eliminate all risk of injury. When dealing with fire, heat, or even the potential of same, look to Lakeland's **FIRE RESISTANT/RETARDANT APPAREL LINES.**

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Why Choose Lakeland?

World’s Largest Manufacturer of Protective Clothing

As the largest manufacturer, we are better able to deliver the best, most innovative Protective Clothing products and fabric choices available anywhere on earth... and we’re stepping on the gas!

Know the Maker - We Manufacture Our Own Products

Lakeland protects people. It is our core business. Unlike our competitors, we don’t use contractors to make our garments. We make them ourselves, so we have maximum control over quality and delivery.

For most contractors, protective clothing is only a portion of their business, and they lack our expertise and focus on protecting the end user- whereas that is what we are all about. We design the fabric, we make the garment, we inspect it, we ship it. And you know who to call.

Broadest Range of Products and Fabrics

From Disposables to Chemical, Reflective to Hand and Arm, Flame/Arc Flash Resistant and Fire Service/EMS, no one else in the Protective Apparel Industry can offer such comprehensive product and fabric choices- or the expertise to guide you. All under one roof.

Award-winning service

In recent months, two of our largest customers have both named us best in customer service and support out of all their many vendors.

Investing for growth – to serve you better

We’re doubling our sales and support personnel, increasing R&D and product development efforts, upgrading our systems, and streamlining our operations. You will see the difference.

World-wide presence and growth

Lakeland International is growing rapidly, with production and sales operations in more than 40 countries. So we can bring you the best in fabrics and innovations the world has to offer, and technical expertise for wherever you do business.

Let us help you protect your people, and grow with us!



MicroGard® Anti-microbial Treatment

Anti-Microbial Treatment



Food Service Approved



Eliminate harmful microbes with this Lakeland antimicrobial treatment

Lakeland Industries MicroGard® antimicrobial eliminates microbes instantly on contact without the use of heavy metals or toxins, and does not create a “zone of inhibition” that leads to the creation of super bugs like MRSA. The “zone of inhibition” created by other heavy metal antimicrobials including copper, silver and zinc allows some microbes to stay alive and mutate which produces organisms that are resistant to the heavy metal antimicrobial compounds.

Lakeland’s MicroGard® antimicrobial attracts microbes using a miniscule electrical charge and punctures their cell wall with a microscopic spike. The effect is instantaneous and therefore does not create a “zone of inhibition” that leads to the creation of a super bug. MicroGard® is an inherent part of the glove fibers, not a topical application, and will not wash off after 40 washes while maintaining its efficacy.

Tested with ASTM E2149 and AATCC100. Test results available upon request.

Applications

- Passes ASTM E2149
- Passes AATCC Test Method 100
- Microbes Are Eliminated Instantly
- Withstands Up to 40 Washings
- Ionically bonds to fibers to last the life of every fiber in the product.



In this magnified view, the positively charged surface of MicroGard® attracts the negative charged bacteria. Due to the electrical attraction, the bacteria is drawn into the molecular spikes which puncture the bacteria membrane, eliminating it.



Enhand-CR® Anti-microbial Glove

Anti-Microbial Treatment



Cut Resistant



Food Service Approved



Enhand-CR®, Your FIRST line of defense!

Cut Resistance

Highest level on ASTM/ISEA 105-2005 Standard

Dexterity

Excellent flexibility, feel and dexterity

Launderable

Anti-microbial treatment withstands over 40 washings

Cost

More economical than lesser cut resistant gloves without antimicrobial features.

Other design features

Improve areas of premature wear through a patented design process

Available Styles

Style	Description	Cut Level*	Sizes
96-1745	Natural Enhand-CR® Glove	5	S-XL
96-1754	Blue Enhand-CR® Glove	5	S-XL

*ANSI/ISEA 105-2005 Cut Performance Ratings based on ASTM F1790-97 testing protocols

Features

- Passes ASTM E2149
- Passes AATCC Test Method 100
- Microbes Are Eliminated Instantly
- Withstands Up to 40 Washings
- Ionically bonds to fibers to last the life of every fiber in the product.

Applications

- For all food service industries, poultry, chicken or beef processing
- Passes ASTM E2149
- Passes AATCC Test Method 100
- Can be washed with bleach



ShurRite Kevlar® Cut Resistant Glove

Cut Resistant



Kevlar® Aramid Fiber Gloves are Modern Protective Armor!

Lakeland ShurRite safety gloves and sleeves made with DuPont® 100% Kevlar® aramid fiber provide excellent cut resistance for hand and arm protection products. ShurRite offers outstanding cut resistance combined with intermittent heat resistance without affecting their wearers manual dexterity. These tough gloves and sleeves will outlast cotton, leather and coated gloves many times over. They greatly reduce potential injuries to workers hands and contribute to reducing accident claims and insurance costs. Available in various grip-enhancing coatings and patterns.

And, where additional protection from heat is required, ShurRite Kevlar® Terry gloves provide a cushion of air that insulates against high temperature extremes, while Kevlar® adds the cut/slash protection.

Available Styles

Style	Description	Cut Level*	Size
ShurRite Gloves			
21-843	7 gauge 100% Kevlar® knit glove	2	S-L
21-290	7 gauge 100% Kevlar Knit glove, heavyweight	4	S-XL
21-1634	7 gauge 100% Kevlar® knit glove, black PVC dots (2 sides)	2	S-XL
2100	7 gauge 100% Kevlar® knit glove	2	S-XL
2400LN-2PD	7 gauge 100% Kevlar divers knit glove, black PVC dots (2 sides)	3	S-XL
2200	13 gauge 100% Kevlar® knit glove	2	S-L
2300	100% Kevlar® Terry Seamless knit glove, drop cuff, loop in	3	S-L

Sleeves - See page 4 for more sleeves and options!

41422	100% Kevlar® medium weight, 2 ply sleeve, 3" width	2	14"
41622	100% Kevlar® medium weight, 2 ply sleeve, 3" width	2	16"
41822	100% Kevlar® medium weight, 2 ply sleeve, 3" width	2	18"
42222	100% Kevlar® medium weight, 2 ply sleeve, 3" width	2	22"
42422	100% Kevlar® medium weight, 2 ply sleeve, 3" width	2	24"

*ANSI/ISEA 105-2005 Cut Performance Ratings based on ASTM F1790-97 testing protocols

Features

- Cut Resistant
- Heat Resistant
- Chemical Resistant (organic solvents; diluted acids)
- Excellent dexterity and flexibility
- Breathable
- Washable

Applications

- Metal Handling
- Automotive
- Aerospace
- Assembly
- Lumber and Paper
- Office Furniture
- Manufacturing
- Heating and Air Conditioning
- Manufacturing
- Wire and Cable Industries
- Glass Industry



DextraGard Cut Resistant Glove

Cut Resistant



Food Service Approved



Spectra® gloves are pound for pound 10x stronger than steel!

Lakeland's DextraGard gloves are for applications that are routinely exposed to extremely sharp blades and edges. DextraGard gloves fiber surface lets the sharp cutting edges roll over the surface of the glove preventing serious injury. Both industrial manufacturing and food processors prefer DextraGard gloves for being rugged and highly resistant to cut, as well as being soft and comfortable. DextraGard reduces hand fatigue that often accompanies repetitive gripping and flexing.



Available Styles

Style	Description	Cut Level*	Sizes
9600	Heavyweight Spectra® Knit glove with MicroGard®	5	S-XL
9200	13 gauge Lightweight Spectra® Knit glove with MicroGard®	3	S-XL
9500	13 gauge stretch Spectra®	2	S-XL
98-1717	10 gauge Spectra® insulated glove	4	S-XL

Sleeves - See details on page 4!

9412	DextraGard, 5 1/4" width	5	12"
9414	DextraGard, 5 1/4" width	5	14"
9416	DextraGard, 5 1/4" width	5	16"
9418	DextraGard, 5 1/4" width	5	18"

Other styles available. Contact Customer Service for details.

*ANSI/ISEA 105-2005 Cut Performance Ratings based on ASTM F1790-97 testing protocols

Features

- FDA accepted
- Outstanding Cut Resistance
- Soft, Comfortable, Flexible- reduces hand fatigue
- Low Moisture absorption (<2%)
- Breathable
- Washable

Applications

- Fishing Industry
- Razor Blade Manufacturing
- Food Processing
- Poultry Industry
- Meat Processing
- Boning
- Metal Handling

- Automotive
- Aerospace
- Plastic Extrusion
- Lumber and Paper
- Wire and Cable Industry
- HVAC Industry
- Glass



DesPro® Cut Resistant Glove

Cut Resistant



Custom Knit Gloves Put the Protection Exactly Where You Need It!

The DesPro® work gloves build protection exactly where it is needed. The balance of the glove is knitted utilizing a more economical cut resistant yarn where the protection is not as demanding. By using a combination of materials, the result is a product that protects yet costs less.

DesPro® work gloves can be made from any combination of yarns for any industry. From food services, to industrial, to warehouse, Lakeland can spec knit a glove that suits your needs.

Before you place your next order for a more costly glove, try a DesPro® on for size. It just may be the fit you need for your company.

Available Styles

Style	Description	Sizes
D6F9L	100% Spectra® and Nylon Glove	L
D6F7L	100% Spectra® and Cotton Glove	L
D6F8L	100% Kevlar® and Nylon Glove	L
D6C5L	100% Kevlar® and Grey Cotton Glove	L

Features

- Single or multiple fingers
- Palm area
- Thumb crotch
- Heel
- Wrist
- Front or back

Applications

- Medium duty material handling
- Medium to light fabrication
- General warehousing



Blends Cut Resistant Glove

Cut Resistant



Performance of Kevlar® with the economy of cotton!

Just as two heads are better than one, Lakeland's special blends of two or more yarns provide superior protection in the work place. Blends give a safety glove Kevlar's tough cut resistance and the flexible comfort and economics of cotton. The result is a rugged, low cost alternative to Kevlar® gloves.

Applications

- Fabricated Building Materials
- Stone/Brick Manufacturing
- General Maintenance
- Glass Handling
- Petrochemicals
- Fabricated Metals
- Heavy duty Castings



Available Styles

Style	Description	Cut Level*	Sizes
26-516	7 gauge blended Kevlar® plated glove	2	Mens
32100KCBKW	Kevlar® blended Terry loop-in glove	3	Mens
32110KCBKW	Kevlar® blended Terry loop-in glove	3	Ladies

*ANSI/ISEA 105-2005 Cut Performance Ratings based on ASTM F1790-97 testing protocols

Cut Resistant Sleeves

Cut Resistant



High Performance Fibers Provide Unsurpassed Arm Protection

Lakeland knows the importance of people's arms, and offers its high-tech, proven line of protective sleeves to customers with confidence. Our wide-bodied DextraGard sleeves provide superior cut resistance and flexible comfort to industrial and food industry applications, sheet metal, HVAC, pulp and paper mills and fish/meat processors. These sleeves offer less than 2% moisture absorption, so after laundering they maintain their neat, hygienic appearance longer than other sleeves. Their breathability, washability and economical cost-to-wear ratio make them a popular choice.

Lakeland's line of black sleeves includes products ranging from 4" to 32" in length. They are available in various materials: eg. high strength man-made fibers combined with a stainless steel core (like Grapolator gloves); Thermbar for excellent heat resistance, lightness and dexterity; and black Kevlar® fabrics. All of our black sleeves are ideal in situations where messy applications create unsightly residues.

Where good abrasion and cut resistance, thermal properties and durability are required, Lakeland sleeves of Kevlar® are recommended. These sleeves come in standard 3" widths and wide-body 4 1/4" styles. The wide-bodies are more comfortable for workers that need a larger width sleeve or when the wearer has large arms. The sleeves are also available as combinations of outer Kevlar® with inner cotton, affording the best protection and comfort at an economical price.

Available Styles

Style	Description	Cut Level*	Sizes
Kevlar® Sleeves			
41022	100% Kevlar® medium weight, 2 ply sleeve, 3" width	2	10"
41222	100% Kevlar® medium weight, 2 ply sleeve, 3" width	2	12"
41422	100% Kevlar® medium weight, 2 ply sleeve, 3" width	2	14"
41622	100% Kevlar® medium weight, 2 ply sleeve, 3" width	2	16"
41822	100% Kevlar® medium weight, 2 ply sleeve, 3" width	2	18"
42222	100% Kevlar® medium weight, 2 ply sleeve, 3" width	2	22"
42422	100% Kevlar® medium weight, 2 ply sleeve, 3" width	2	24"
DextraGard Sleeves			
9410	DextraGard, 5 1/4" width	5	10"
9412	DextraGard, 5 1/4" width	5	12"
9414	DextraGard, 5 1/4" width	5	14"
9416	DextraGard, 5 1/4" width	5	16"
9418	DextraGard, 5 1/4" width	5	18"
Grapolator Sleeves			
93-473	Grapolator sleeve, steel reinforced 4" wide	4	10"

Other sleeve widths and lengths are available; call for details

*ANSI/ISEA 105-2005 Cut Performance Ratings based on ASTM F1790-97 testing protocols

Available sleeve options can be added to any listed style on their own or in combination.

Option Code	Description
TH	Thumbhole
AC	Alligator Clip
VC	Velcro® Closure
X	Extra Wide

Other options may also be available. Call Customer Service for more detail.

Grapolator **Cut Resistant** Glove

Cut Resistant



Stainless Steel Wire Cores Combine with High Strength Fibers for One Tough Glove!

This Lakeland line of extraordinary Grapolator gloves and sleeves offers hand and arm protection to the max. Stainless steel wire core is combined with high-strength man-made fibers to give workers an extremely effective protective glove. These gloves provide super protection from cuts, and for all their "muscle", lose no comfort or manual dexterity properties. Grapolator gloves can be washed in hot water and hot-air dried. Use the Grapolator around sheet metal, knives, sharp plastic edges and glass. Grapolator gloves and sleeves are available in black, gray or blue.

Features

- High resistance to cuts
- Comfortable and lightweight
- Exceptional wet strength
- Excellent resistance to ultraviolet radiation
- Reversible for longer wear

Applications

- Steel Industry
- Glass Handling
- Food Processing
- Fishing Industries
- Printing
- Textiles
- Mining
- Construction
- Sugar Cane Industry



93-120



Available Styles

Style	Description	Cut Level*	Sizes
93-100	Grey, steel reinforced, 10.75", cut resistant	4	S-XL
93-120	Black, steel reinforced, 10.75", cut resistant	4	S-XL
93-125	Blue, steel reinforced, 10.75", cut resistant	4	S-XL

Sleeves

93-473	Grapolator sleeve, steel reinforced 4" wide	4	10"
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*ANSI/ISEA 105-2005 Cut Performance Ratings based on ASTM F1790-97 testing protocols

ThermBar **Intermittent Heat Resistance** Glove

Heat Resistant



Get a Grip on Product That's Too Hot To Handle with Thermbar Heat Protective Gloves!

Lakeland's intermittent heat resistant gloves made with proprietary Thermbar yarns are the best solutions for problems associated with intermittent handling of hot objects. Thermbar protective gloves are used throughout the glass and automotive industries, and extensively by laboratory workers in all situations where intermittent heat protection is required. Black in color, these gloves are available in a full line of sizes. They may be custom-knit for various levels of heat, and are produced with various high-performance materials, including combinations with Kevlar®.

Features

- Glass Manufacturers
- Auto Industry
- Laboratories

Applications

- Metal Handling
- Automotive
- Aerospace
- Assembly
- Lumber and Paper
- Office Furniture Manufacturing
- Heating and Air Conditioning
- Manufacturing
- Wire and Cable Industries
- Glass Industry

Available Styles

Style	Description	Sizes
6100R	100% Thermbar knit glove	10"
6110	100% Thermbar knit glove	9"
61-1158	100% Thermbar SPOT WELD glove	S-L

SpiderGrip **Work** Glove

Excellent Grip



Job fitted for applications where dexterity, flexibility and comfort are desired!

SpiderGrip gloves will make slips a thing of the past! SpiderGrip crinkle dip latex gloves have a textured palm to provide an excellent grip. The palm of the glove is liquid repellent, while the back provides excellent breathability to keep hands cool while on the job.

Features

- Seamless Design
- Puncture resistant
- Ergonomic fit
- Long Wearing

Applications

- Light to medium fabrication
- Parts handling
- General warehousing
- Maintenance
- Corrugated Manufacturing
- General purpose handling where light liquids or oils are present



Available Styles

Style	Description	Sizes
7-1506	SpiderGrip polyester cotton latex dipped glove	S-XL
7-2506	SpiderGrip lightweight polyester latex dipped glove	S-XL

SpiderGrip **Cut Resistant** Glove

Cut Resistant

Puncture Resistant



Kevlar® Fibers provide that extra level of cut and puncture protection!

Knitted with either Kevlar® or High Performance Polyethylene (HPPE) these styles offer the same comfort, breathability and dexterity as our standard SpiderGrip gloves BUT with the added protection of high performance fibers.

Available Styles

Style	Description	Cut Level	Sizes
22-1508	SpiderGrip KV Kevlar® knit latex dipped glove	2	S-XL
96-5205	SpiderGrip HPPE polyurethane dipped glove	3	S-XL

Features

- Seamless Design
- Ergonomic Fit
- Long Wearing
- Super Cut and Puncture Protection

Applications

- Glass Handling
- Bottling
- Canning
- Sheet Metal
- Automotive
- Fabrication



22-1508



96-5205

SpiderGrip **Comfort** Glove

Lightweight and Comfortable



Lightweight Polyester Liners For Comfort and Functionality in those Light Duty Jobs!

Knitted with a lightweight polyester liner these styles provide the maximum in comfort and breathability for those light duty jobs.

Available Styles

Style	Description	Sizes
7-2205	SpiderGrip black polyester Nitrile foam dipped glove	S-XL

Features

- Seamless Liner
- Ergonomic Fit
- Superior Breathability (open back)
- Comfort! Comfort! Comfort!

Applications

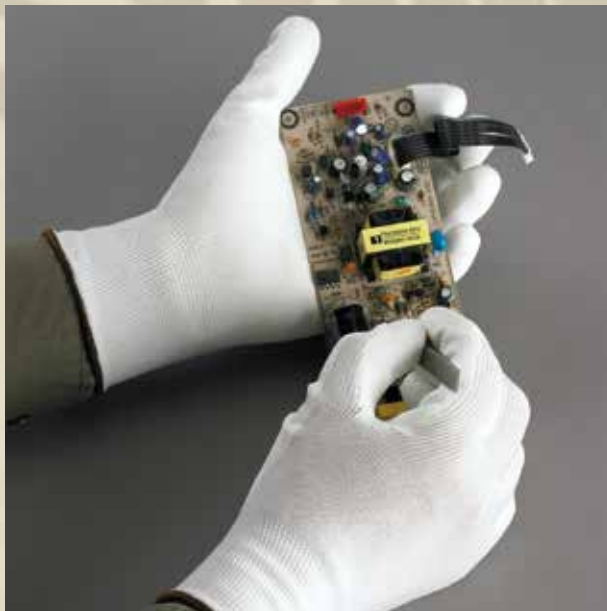
- Light Fabrication
- Material Handling
- Automotive
- Small Parts Assembly



7-2205

SpiderGrip **Dexterous** Glove

Dexterous



Polyurethane Coated Polyester Knit Liner Glove – When Dexterity Matters!

For the handling of those small parts nothing beats a Polyurethane coated polyester knit liner glove.

Available Styles

Style	Description	Sizes
7-3101	SpiderGrip P/U white polyester polyurethane dipped glove	S-XL
7-3104	SpiderGrip P/U black polyester polyurethane dipped glove	S-XL

Features

- Non-linting Polyester Seamless Liner
- Ergonomic Fit
- Superior tactile feel and touch
- Comfort PLUS

Applications

- Intricate Parts Assembly
- Inspection
- Electronics
- Automotive
- Material Handling
- Light Fabrication



7-3101



7-3104

NEW!

Lakeland Warm Weather Vented FR Work Clothing

- Stay cool while you work with Lakeland's new line of vented-back FR clothing.
- Let Lakeland increase your comfort on the job without sacrificing the FR protection you need.

A. ISH7VB20 Khaki Vented-Back Shirt

- Tapered Aramid mesh vented back improves air circulation, keeping you cool while you work
- Sleeve straps keep rolled sleeves in place for comfort in warm work environments
- Long rounded tail helps you stay "tucked-in" all day long

Material:

7.0 oz. 88/12 Fyrban FR cotton (88% cotton/12% nylon)

ATPV = 8.9, HRC = 2

B. IDDJ1413 Denim Jean Pant

- Innovative roomier "XCR" crotch design for maximum comfort and freedom of movement
- Non-metallic buttons and FR zipper front closure
- Lintrack® permanent creases for a sharp appearance

Material:

14.0 oz. 100% Fyrban FR cotton

HRC = 2

C. C071V20 Vented-Back Coverall

- Tapered Aramid mesh vented back, improves air circulation, keeping you cool while you work
- Heavy duty non-metallic snaps make closure easy
- Heavy duty, non-metallic FR zipper with pull tabs for maximum FR protection
- Two swing pockets with internal safety pass-thrus for easy access to inner pants pockets
- Flared leg cuffs make donning and doffing over work boots a breeze

Material:

7.0 oz. 88/12 Fyrban FR cotton (88% cotton/12% nylon)

ATPV = 8.9, HRC = 2



All Lakeland FR Garments are sewn throughout with FR thread.

Warranty and Warnings

Warranty Information

It is the responsibility of the user to select garments which are appropriate for each intended use and which meet all specified government and industry standards.

IMPROPER USE OF THESE PRODUCTS MAY RESULT IN PERSONAL INJURY OR DEATH. IMPROPER USE INCLUDES, BUT IS NOT LIMITED TO IMPROPER SELECTION, USE WITHOUT ADEQUATE TRAINING, DISREGARDING THESE WARNINGS AND INSTRUCTIONS SUPPLIED WITH THE PRODUCTS AND FAILURE TO INSPECT AND MAINTAIN THE PRODUCTS. THESE PRODUCTS ARE INTENDED TO BE USED ONLY IN CONJUNCTION WITH THE ENVIRONMENTAL PROTECTION AGENCY (EPA) RULES AND REGULATIONS,

(<http://www.epa.gov/lawsregs/>)

AND THE REQUIREMENTS OF OSHA SAFETY AND HEALTH STANDARD 29 CFR 1910 AVAILABLE FROM THE U.S. DEPARTMENT OF LABOR, OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION,

(<http://www.osha.gov>), **OR OTHER PERTINENT NATIONALLY RECOGNIZED STANDARDS, SUCH AS THOSE PROMULGATED BY THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) (www.nfpa.org), THE AMERICAN SOCIETY FOR TESTING MATERIALS (ASTM) (www.astm.org), THE NATIONAL INSTITUTE OF OCCUPATIONAL SAFETY AND HEALTH (NIOSH) (www.cdc.gov/niosh/rpg), AND THE U.S. COAST GUARD OR DEPARTMENT OF DEFENSE. It is incumbent upon the wearer and legally required of an employer to read and understand these regulations.**

THESE PRODUCTS ARE NOT FLAME RESISTANT AND SHOULD NOT BE USED AROUND HEAT, FLAME, SPARKS, OR IN POTENTIALLY FLAMMABLE OR EXPLOSIVE ENVIRONMENTS EXCEPT WHERE OUR GARMENTS ARE SPECIFICALLY ADVERTISED AS FIRE RESISTANT OR RETARDANT.

NO EXPRESSED OR IMPLIED WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE OR OF MERCHANTABILITY OR OTHERWISE IS MADE.

Purchaser and all garment users shall promptly notify Lakeland Industries, Inc. of any claim, whether based on contract, negligence, strict liability or otherwise.

The sole and exclusive remedy of the purchaser and all end users and the limit of liability of Lakeland Industries, Inc. for any and all losses, injuries or damages shall be the refund of the purchase price or the replacement or repair of any product found to be defective within 90 days after the product is delivered. **IN NO EVENT SHALL LAKELAND INDUSTRIES, INC. BE LIABLE FOR ANY SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES, WHETHER IN CONTRACT OF IN TORT, ARISING OUT OF ANY WARRANTIES, REPRESENTATIONS, INSTRUCTIONS, OR DEFECTS FROM ANY CAUSE IN CONNECTION WITH A GLOVE, SLEEVE OR ACCESSORY ITEM (PRODUCTS), OR THE SALE THEREOF.**

Purchaser and all users are responsible for inspection and proper care of this product as described in any OF OUR care and use manuals and are responsible for all loss or damages from use or handling which results from conditions beyond the control of the manufacturer.

Product safety information is available upon request. This information corresponds to our current knowledge on the subject. It is offered solely to provide possible suggestions for your own experimentations. It is not intended, however, to substitute for any testing you may need to conduct to determine for yourself the suitability of our products for your particular purposes. It is the user's responsibility to determine the level of risk and the proper protective equipment needed for the user's particular purposes. This information may be subject to revision as new knowledge and experience becomes available. Since we cannot anticipate all variations in actual end-use conditions, **LAKELAND INDUSTRIES, INC. MAKES NO WARRANTIES AND ASSUMES NO LIABILITY IN CONNECTION WITH ANY USE OF THIS INFORMATION.** Nothing in this publication is to be considered as a license to operate under or a recommendation to infringe any patent right.

Warnings and Limitations

Lakeland's products are not suitable for use in all situations and environments with all chemical and hazardous materials. All decisions regarding the choice and usage of chemical protective products must be done by trained and qualified safety professionals in accordance with all OSHA and EPA Rules and regulations. Failure to follow such regulations absolves Lakeland Industries, Inc. from all liability. It is the user's responsibility to determine the level of exposure and the proper personal protective equipment needed. It is the employer's LEGAL RESPONSIBILITY to provide proper protective clothing to employees, and adequate care, use and maintenance of these garments as only your employer knows the conditions under which the wearer works. Lakeland has no such knowledge, so ask your employer.

Lakeland protective products will burn except where our products are specifically advertised as fire resistant. These products should not be worn around heat, open flames, sparks or any other possible ignition source nor in potentially explosive or flammable environments.

If the Lakeland protective products is abraded, cut, torn, punctured or otherwise and in any way breached, do not use. The protective products material has finite resistance to abrasion, cut, tear and puncture. It is the responsibility of the wearer to inspect Lakeland products prior to use to insure the integrity of the products and components.

If the Lakeland protective products is damaged during use, retreat immediately to a safe environment, thoroughly decontaminate the products, then dispose of it in a safe manner.

Limitations of Use

Lakeland protective products are not intended for protection against radiological hazards.

Chemical and Fire Data

Before using a protective products in a chemical situation, consult the chemical permeation data appropriate to the products material. This information is to be used as a guide only. The permeation performance of any material depends on a number of factors including chemical concentration, temperature, time and amount of exposure. Due to the large number of variables, it is impossible for all glove materials to be tested against all elements, chemicals, all combinations or mixtures thereof, and all temperatures at which the chemical might be encountered.

Chemical permeation tests are performed under laboratory conditions -- not actual workplace conditions. They address chemical breakthrough characteristics and do not account for physical performance characteristics that affect a barrier such as abrasion, flex fatigue, puncture, tear, oxidative degradation, or degraded performance due to previous use contaminations.

No single protective material will protect against all chemicals for all situations. The best course of action is to test the primary protective glove materials against the specific chemical hazard, at the temperature and in the concentrations to be encountered. Lakeland Industries, Inc. will provide free swatches of primary glove materials for testing and can provide you with a list of testing facilities.

Lakeland's Iglove lines are not intended for fire fighting activities, nor for protection from hot liquids, steam, molten metals, welding, electrical arc or thermal radiation. **USE COMMON SENSE! DO NOT SMOKE, OR USE ELECTRICAL MACHINERY, AND INSURE USE OF PROPER BONDING AND GROUNDING** where flammable gas, liquids or solids exist. Anti-static treatments and coatings are not adequate for all environmental conditions. Static electricity in non-humid or winter environments can cause a deadly flash fire where flammables are present in the workplace. Lakeland's products are intended to help reduce the potential for injury, but no protective apparel alone can eliminate all risk of injury. When dealing with fire, heat, or flammable atmospheres, or even the potential of same, look to Lakeland's **FIRE RESISTANT/RETARDANT GLOVE LINES.**

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All of Your Safety Apparel Needs Under One Roof.

Disposable Clothing



Chemical Clothing



Reflective Clothing



Hand & Arm Protection



Woven Clothing



Lakeland Fire



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Fax: 256-350-0773
Email: info@lakeland.com

In Canada
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Voice: 519-757-0700
Fax: 519-757-0799
Email: sales-canada@lakeland.com





Industrial Heat Protective Clothing and Accessories Buyers Guide

800-645-9291

www.lakeland.com



Fabric Materials

Lakeland offers heat protective garments in Aluminized Fiberglass. Aluminized Glass combines the reflectivity of an aluminized outer surface with glass fabric. Glass fabric neither burns or supports combustion, and offers a combination of properties from high strength to fire resistance. It is a stable material that will not stretch or shrink, even after exposure to extremely high or low temperatures. Aluminized Glass is also very durable, proving to be a cost effective material in the long run.

Caution! Do Not Confuse Ambient, Conductive and Radiant Heat!

The following definitions are given as reference in selecting the proper clothing for heat protection.

Ambient Heat is surrounding atmospheric temperature in a given situation. Examples are: 65°F-70°F (18°C-21°C) in an office; 2000°F (1092°C) in a fire walk.

Conductive Heat is generated by direct contact with a hot surface. Examples are: picking up a burning block at 600°F (315°C); leaning against a furnace wall at 1000°F (537°C).

Radiant Heat is generated by the sun or source of fire, such as a fireplace or furnace, and is absorbed by masses of material struck by the heat's rays. This is why it is cooler in the shade on a sunny, hot day.

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700/705 Series Proximity Suits



Left, the 700 Series Proximity Suit, featuring a coat and pants. Right the 705 Series Proximity Coverall.

Lakeland's 700 and 705 Series Proximity Suits are designed for performance of maintenance and repairs in high heat areas. Workers wearing these proximity garments are insulated from harm by Lakeland's unique, proven multi layer construction, with the outer layer composed of high temperature Aluminized Fiberglass. An additional moisture/steam barrier lining provides protection in areas where exposure to hot liquids, steam, or hot vapor is a possibility. Redesigned for better fit, the 700 and 705 Series Suits are available in coverall

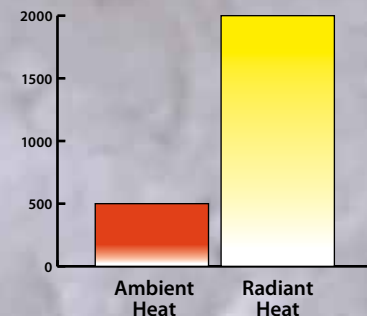
or coat and pant styles. The coverall or the coat and pant styles are available with an SCBA accommodation, if required. The 700 Series Suit comes complete with a hood, gold reflective faceshield, coat, pants, mitts and boots. The 705 Series Coverall comes complete with a hood with gold reflective faceshield, coverall, boots and mitts. Both series are offered in sizes Small, Medium, Large and Extra Large. Individual replacement components are available. Handy duffel/storage bags are also available.

The 700/705 Series Proximity Suits are not to be used for fire entry.

Applications

700 and 705 Series Proximity Suits are used by industries which bake on by finishes, such as auto, office furniture, and appliance manufacturers. The Proximity Suits may also be used in oven and conveyor repair.

Heat Tolerances



The graphs above are provided for relative comparison of radiant and ambient heat performance of Lakeland's Industrial Heat Protective Clothing. The temperatures indicated are extrapolated from laboratory tests and ARE NOT intended to indicate suitability for use at these temperatures. Individual physiology, work conditions, and the work being performed are too variable to make recommendations for use based only on temperature and exposure time.

Model Numbers

700/BA	Proximity Suit complete, SCBA accommodation.
700	Proximity Suit complete.
705/BA	Proximity Coverall complete, SCBA accommodation.
705	Proximity Coverall complete.

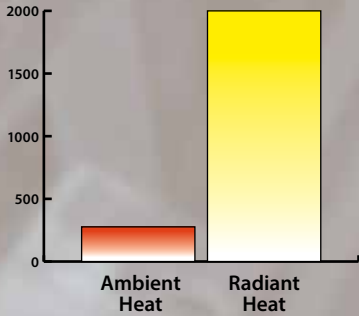
Suit Components

710-AGLG/BA	Proximity Hood
710-AGLG	Proximity Hood
722 AG/BA	Proximity Coverall
722 AG	Proximity Coverall
720/BA	Proximity Coat
720	Proximity Coat
730	Proximity Pants
755	Proximity Boots
740	Proximity Mitts

Applications

500 and 505 Series Approach Suits are used by power plants, cement manufacturers, foundries, ceramic, glass and plastic manufacturers, chemical processing. Suits protect employees exposed to extreme radiant heat for relatively prolonged period of time.

Heat Tolerances



The graphs above are provided for relative comparison of radiant and ambient heat performance of Lakeland's Industrial Heat Protective Clothing. The temperatures indicated are extrapolated from laboratory tests and ARE NOT intended to indicate suitability for use at these temperatures. Individual physiology, work conditions, and the work being performed are too variable to make recommendations for use based only on temperature and exposure time.

Model Numbers

500AG	Approach Suit complete.
505AG	Approach Coverall complete.

Suit Components

510-2AGLG	Approach Hood
510-1AGLG	Approach Hood
522 AG	Approach Coverall
520-32AG	Approach Coat
530AG	Approach Pants
555AG	Approach Boots
344-02N	Gauntlet Glove

500/505 Series Approach Suits



At left, the 500 Series Approach Suit, featuring a coat and pant. Right, the 505 Series Approach Coverall.

The 500 and 505 Series Approach Suits are designed for personnel engaged in maintenance, repair and operational tasks in areas of low ambient, high radiant heat. These superior protective approach suits are available in high temperature Aluminized Fiberglass. An additional moisture/steam barrier lining protects in areas where exposure to hot liquids, steam, or hot vapor is a possibility.

The 500 and 505 Series Suits are available in coverall or coat and pant styles. The 500 Series suit comes complete with a hood with gold reflective faceshield, coat, pants, gloves and boots. The 505 Series Coverall comes complete with a hood with gold reflective faceshield, coverall, gloves and boots.

Handy duffel/storage bags are also available. The 500 and 505 Series Approach Suits are available in sizes Small, Medium, Large, and Extra Large. Individual replacement components are available.

The 500/505 Series Approach Suits are not to be used for fire entry.

300/305 Series Approach Suits



Left, the 300 Series Approach Suit, featuring a coat and pants. Right the 305 Series Approach Coverall.

These heat reflective 300 and 305 Series Approach Suits are designed for personnel engaged in maintenance, repair and operational tasks in areas of low ambient, high radiant heat, much the same as our 500/505 Series. However, the 300 and 305 Series Approach Suits have no moisture/steam barrier, making these garments suitable for situations where exposure to hot liquids, steam or hot vapor is not a possibility.

Like the 500/505 Series, these protective approach suits are available in high temperature Aluminized Fiberglass. The 300 and 305

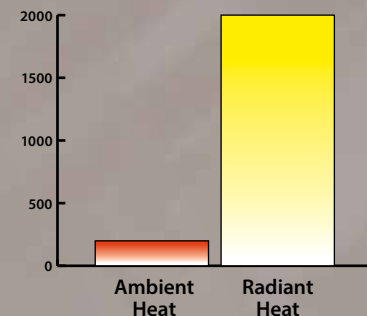
Series Suits are available in coverall or coat and pant styles. The 300 Series suit comes complete with a hood with gold reflective faceshield, coat, pants, gloves and boots. The 305 Series suit comes complete with a hood with gold reflective faceshield, coverall, gloves and boots.

Handy duffel/storage bags are also available. The 300 and 305 Series Approach Suits are available in sizes Small, Medium, Large and Extra Large. Individual components are available.

Applications

300 and 305 Series Approach Suits are used by power plants, cement manufacturers, foundries, ceramic, glass, and plastic manufacturers, chemical processing. Suits protect employees exposed to extreme radiant heat for relatively prolonged periods of time.

Heat Tolerances



The graphs above are provided for relative comparison of radiant and ambient heat performance of Lakeland's Industrial Heat Protective Clothing. The temperatures indicated are extrapolated from laboratory tests and ARE NOT intended to indicate suitability for use at these temperatures. Individual physiology, work conditions, and the work being performed are too variable to make recommendations for use based only on temperature and exposure time.

Model Numbers

- 300AG Approach Suit complete.
- 305AG Approach Coverall complete.

Suit Components

- 310-2AGLG Approach Hood
- 310-1AGLG Approach Hood
- 322 AG Approach Coverall
- 320-32AG Approach Coat
- 330AG Approach Pants
- 355AG Approach Boots
- 344-02N Gauntlet Glove

The 300/305 Series Approach Suits are not to be used for fire entry.

Accessory and Replacement Gear



Lift Front Hood

This 300 series heat reflective hood is useful in areas of low ambient high radiant heat. With the lift up faceshield, this hood is perfect for many industrial applications. This style hood is available in high temperature Aluminized Fiberglass..

Model Numbers

311AGL – Aluminized Approach hood with movable 8" x 13" (20.32 cm x 33.02 cm) polycarbonate faceshield with neoprene-coated aramid felt liner, clear faceshield.

311AGLG – Aluminized Approach hood with movable 8" x 13" (20.32 cm x 33.02 cm) polycarbonate faceshield with neoprene-coated aramid felt liner, gold faceshield.



Approach Hood

Perfect as replacement items for our 500 and 300 series suits or coveralls, these hoods are designed for maintenance, repair and operational tasks in areas of low ambient, high radiant heat. Winglocks on faceshield make for quick and easy replacement.

Model Numbers

310-1AGL – Approach hood with hardcap, 6" x 10" (15.24 x 30.48 cm) clear faceshield, wing lock.

310-1AG LG – Approach hood with hardcap, 6" x 10" (15.24 x 30.48 cm) gold faceshield, wing lock.

Faceshield available bolted to frame instead of winglocks; to order bolted style, add T to end of model number.



Heat Protective Hood

Many fire fighters use this style hood as an additional heat protective barrier to their standard turnout gear. Permanently flame retardant, it stretches to fit all sizes under a hard hat or fire helmet. It can be used with any style of SCBA.

Model Numbers

119-NM – Lightweight Nomex® heat protective hood.



Approach Coats

Non-insulated approach coats are offered in both the 300 and 500 Series styles. The 500 series has the added benefit of a moisture/steam barrier lining. These coats are ideal as replacements for lost or worn suits, or as the primary protector in situations where only a coat is required. Both the 300 and 500 series are available in high temperature Aluminumized Fiberglass.

Replacements coats for 300 and 500 Series suits are offered in 32" (76 cm) lengths. Additional coats are available in 36", 40", 46" and 50" (81 cm, 102 cm, 127 cm) lengths. Coats are offered in sizes Small, Medium, Large, and Extra Large.

Model Numbers

320AG – Aluminumized Approach coat

320-50 AG Approach Coat.



330AG Approach Pants.



522AG Approach Coveralls

Approach Pants and Coveralls

Fyrepel non-insulated approach pants and overalls are available in either the 500 or 300 series. The 500 series added moisture/steam barrier provides protection from environments where exposure to hot liquids, steam or hot vapor is a possibility. The pants are offered in either a big or waist style, and are a compliment to the approach coats. Both the 300 and 500 series are available in high temperature Aluminumized Fiberglass. Pants are offered in sizes Small, Medium, Large, and Extra Large.

Model Numbers

330AG – Aluminumized Approach pants.

522AG – Aluminumized Approach Coveralls.



A. 300 Series Approach Boots

The 300 series approach boots are non-insulated and are useful for maintenance and operational tasks in areas of low ambient, high radiant heat. The 355AG boots offer a texturized anti-skid neoprene sole with a substrate of high temperature glass.

Model Numbers

355AG – Aluminized Approach boot.



B. 755 Insulated Proximity Boot

The 755 Insulated Proximity Boot is useful in areas of high heat, and features an added moisture/steam barrier.

Model Numbers

755 – Insulated Proximity Boot.

C. 300 Series Sleeves

Indispensable where workers may make accidental contact with hot metal, glass, or high heat surfaces. Sleeves are offered in non-insulated approach styles, in 12", 18" and 24" (30 cm, 46 cm, 61 cm) lengths.

Model Numbers

336-18AG – Aluminized Sleeves.

D. 300 Series Approach Apron

These versatile approach aprons offer superior protection against radiant heat. Non-insulated aprons are available in surgeon styles and in various lengths. The non-insulated styles are offered in aluminized glass.

Model Numbers

325-48AG – Approach Apron.



700 Series Proximity Mitt

Model Numbers

740 – Insulated Proximity Mitt.



300 Series Approach Mitt

Model Numbers

344-08 – Approach Gauntlet, leather palms.

344-02N – Approach Gauntlet, leather palms.



Storage Bag

Fyrepel offers these rugged duffel bags for storing and carrying our heat protective garments. Constructed of Red Cordura material, these bags are large enough to stow gear, yet easy to carry. Features heavy duty handles and a self-healing zipper.

Model Numbers

PGKC15 – Storage Bag.



WARNING!

Improper use of these suits may result in personal injury or death. Improper use includes, but is not limited to improper selection, use without adequate training, disregard of the warnings and instructions supplied with the suits and failure to inspect and maintain the suits.

This catalog contains general descriptions of certain Lakeland® products. While some uses and performance capabilities are described, under no circumstances should the product be used except by qualified personnel, and not until the instructions, labels or other literature that may accompany the products have been carefully read and understood and the precautions therein set forth followed. Only they contain the complete and detailed information concerning these products.

There are many factors that must be taken into consideration when determining the appropriate level of protection. Consequently, selection of protective clothing must be done by an industrial hygienist or other NFPA or OSHA trained and qualified individual.

Lakeland® believes the information herein is the best currently available. It is subject to revision as additional knowledge and experience are gained. Lakeland® makes no guarantees of results and assumes no obligation or liability in connection with this information.

There are uses and environments for which this garment is unsuitable. It is the user's sole responsibility to determine that this garment is appropriate for the intended use and complies with all health and safety laws and regulations.

Accordingly, the manufacturer makes no guarantees, representations, or warranties in respect of these products, including, but not limited to, warranties of merchantability, and or warranties of fitness for any purpose. The manufacturer shall not be liable for any loss, injury or death or any direct or indirect damages arising out of the use of this product.



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**Black-Ops
Multi-Adjust
Suspender
System!**



Shown with Two-Tone Option and Lazer Trim (Patent Pending)



STEALTH COAT FEATURES

- Beveled Hem Design, 29" Front, 34" Back – lengths graded to size.
- Military Shoulder Pleats on Back
- Rear Internal Draw Cord
- Zipper/Velcro® Closure
- NFPA Triple Trim - Double Stitched
- "Easy Grip" Drag Rescue Device
- 4" Wristers with DuPont™ Nomex®
- Arashield Cuff Reinforcements – Double Stitched
- 2 x 8 x 8 Expansion/Hand warmer Pockets lined with DuPont™ Kevlar® (Twill)
- Napoleon Pocket under Storm Flap
- Pocket Pull-Tabs
- 7 X 9 Liner Pocket made with DuPont™ Nomex®
- Liner Inspection Opening
- Hanger Loop on collar

**Compliant to the new
2013 Edition NFPA 1971**

STEALTH PANT FEATURES

- Beveled Waist Design
- Belt/Velcro/Snap Fastener Fly Closure
- Pant Grip Handle/Belt Loops
- Large Expansion Pockets for extra storage and built-in drainage eyelets. Lining made with DuPont™ Kevlar® (Twill)
- Pocket Pull-Tabs for easy opening with gloves
- Horizontal Dynamic Knee Expansion Pleats
- Black Arashield Knee reinforcements
- Double layer padded knees
- One-piece, lower leg panel constructed with major A-seam at back ensuring little to no abrasion.
- Black Arashield Cuff Reinforcements – Double Stitched for increased wear and tear.
- Reflective Triple Trim for maximum visibility in low light
- Rear Boot-Cut Cuffs
- Liner Inspection Opening
- New Black-Ops™ Multi-Adjust Suspender System*

* Patent pending

STEALTH STANDARD FEATURES



Pleated Back gives freedom of movement



Cinch cord in jacket



Napoleon Pocket



Black-Ops™ Suspension System



Pant Grip Handles



Angled Expansion Pockets



Horizontal Dynamic Knee Expansion Pleats



No Lower Leg Seams to Abraid

STEALTH - CUTTING EDGE FEATURES



Check out our new optional Lazer Trim Package... Unparalleled visibility for night operations!

Standard Black-Ops™ Multi-Adjust Suspenders make getting the right fit a breeze.





Pleated Back Gives Maximum Freedom of Movement!

B2 OSX COAT FEATURES

- Military Shoulder Pleats on Back
- Zipper/Velcro Closure
- NYC Style Lime/Yellow Triple Trim - Double Stitched
- "Easy Grip" Drag Rescue Device
- 4" Wristers with DuPont™ Nomex®
- Black Arashield Cuff Reinforcements – Double Stitched
- 2 x 8 x 8 Expansion /Hand warmer Pockets lined with DuPont™ Kevlar® (Twill)
- 7 X 9 Liner Pocket made with DuPont™ Nomex®
- Liner Inspection Opening
- Hanger Loop on collar
- 2 x 3.5 x 8 Radio Pocket on left chest
- Self-Material Mic Strap above Radio Pocket
- Flashlight Snap & Strap on right chest

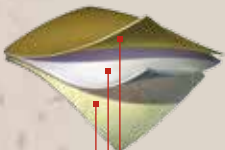
B2 OSX PANT FEATURES

- Horizontal Knee Expansion Pleats
- Lime/Yellow Triple Trim
- Velcro/Hook & Dee/Snap Fastener Fly Closure
- Take-Up Straps made with DuPont™ Nomex® (Twill)
- 2 x 10 x 10 Expansion Pockets lined with DuPont™ Kevlar® (Twill)
- Horizontal Dynamic Knee Expansion Pleats
- Black Arashield Knee reinforcements
- Double layer padded knees
- Black Arashield Cuff Reinforcements – Double Stitched
- Liner Inspection Opening
- Rear Boot-Cut Cuffs
- New Black-Ops™ Multi-Adjust Suspender System*

* Patent pending

Compliant to the new 2013 Edition NFPA 1971

B2 OSX MATERIALS



- Gold Advance® Outer shell
- Stedair 3000® Moisture Barrier
- Defender® M SL2 Thermal Liner

B2 OSX STANDARD FEATURES



Horizontal Dynamic Knee Expansion Pleats



Black-Ops™ Multi-Adjust Suspender System



"Easy Grip" Drag Rescue Device



B1 OSX COAT FEATURES

- Zipper/Velcro Closure
- NYC Style Lime/Yellow Triple Trim - Double Stitched
- "Easy Grip" Drag Rescue Device
- 4" Wristers with DuPont™ Nomex®
- Arashield Cuff Reinforcements – Double Stitched
- 2 x 8 x 8 Expansion /Hand warmer Pockets lined with DuPont™ Kevlar® (Twill)
- 7 X 9 Liner Pocket made with DuPont™ Nomex®
- Liner Inspection Opening
- Hanger Loop on collar
- 2 x 3.5 x 8 Radio Pocket on left chest
- Self-Material Mic Strap above Radio Pocket
- Flashlight Snap & Strap on right chest

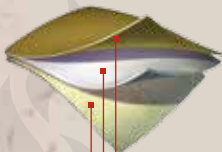
B1 OSX PANT FEATURES

- Lime/Yellow Triple Trim
- Velcro/Hook & Dee/Snap Fastener Fly Closure
- Take-Up Straps made with DuPont™ Nomex® (Twill)
- 2 x 10 x 10 Expansion Pockets lined with DuPont™ Kevlar® (Twill)
- Grey Arashield Knee reinforcements
- Double layer padded knees
- Grey Arashield Cuff Reinforcements – Double Stitched
- Liner Inspection Opening
- Rear Boot-Cut Cuffs
- New Black-Ops™ Multi-Adjust Suspender System*

*Patent pending

**Compliant to the new
2013 Edition NFPA 1971**

B1 OSX MATERIALS



- Khaki Advance® Outer shell
- Stedair® 3000 Moisture Barrier
- Aralite® NP Thermal Liner

B1 OSX STANDARD FEATURES



Black-Ops™
Multi-Adjust Sus-
pender System



"Easy Grip" Drag
Rescue Device



*Where There's Smoke, There's Fire. And Where There's Fire,
There's Lakeland Fire. Bringing You Leading Cutting Edge
Turnout Gear Technology for the 21st Century.*



A10 ATTACK OSX COAT FEATURES

- Zipper/Velcro Closure
- NYC Style Lime/Yellow Triple Trim - Double Stitched
- "Easy Grip" Drag Rescue Device
- 4" Wristers with DuPont™ Nomex®
- Arashield Cuff Reinforcements – Double Stitched
- 2 x 10 x 10 Expansion /Hand warmer Pockets lined with DuPont™ Kevlar® (Twill)
- 7 X 9 Liner Pocket made with DuPont™ Nomex®
- Liner Inspection Opening
- Hanger Loop on collar
- 2 x 3.5 x 8 Radio Pocket on left chest
- Self-Material Mic Strap above Radio Pocket
- Flashlight Snap & Strap on right chest

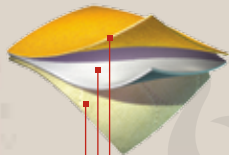
A10 ATTACK OSX PANT FEATURES

- Lime/Yellow Triple Trim
- Velcro/Hook & Dee/Snap Fastener Fly Closure
- Take-Up Straps made with DuPont™ Nomex® (Twill)
- Grey Arashield Knee reinforcements
- Double layer padded knees
- Horizontal Dynamic Knee Expansion Pleats
- Grey Arashield Cuff Reinforcements – Double Stitched
- Liner Inspection Opening
- Rear Boot-Cut Cuffs
- New Black-Ops™ Multi-Adjust Suspender System

* Patent pending

Compliant to the new
2013 Edition NFPA 1971

A10 OSX MATERIALS



- Yellow DuPont™ Nomex® Outer Shell
- Stedair 3000® Moisture Barrier
- Aralite® Thermal Liner

DuPont™
Kevlar®

DuPont™
Nomex®





**CO86
ONE PIECE EXTRICATION
SUIT FEATURES**

- Bi-swing back
- Mic clip above radio pocket
- Radio pocket with flap and utility strap
- Pencil pocket on left sleeve
- Padded elbows
- Lined sleeves
- Hook and loop adjustment straps at wrists
- Side entry pockets with pass-through hook and loop closures,
- Two rear patch pockets with flaps
- Semi-bellows pocket with flap on each thigh
- Extra large padded knees
- 12" leg zipper with hook and loop adjustable straps at ankle
- Reflective trim
- Padded shins
- Scissor pocket with strap on right semi-bellows pocket
- Glove strap with clip
- Hook and loop take-up straps at waist
- Padded forearms
- Brass zippered front with hook and loop storm flap
- Stand up collar with hook and loop closure.

**EO86
TWO PIECE EXTRICATION
SUIT COAT FEATURES**

- Mic clip above radio pocket
- Radio pocket with flap and utility strap
- Pencil pocket on left sleeve
- Padded elbows
- Lined sleeves
- Hook and loop adjustment straps at wrists
- Padded forearms
- Pocket on chest with utility loop
- Brass zippered front with hook and loop storm flap,
- Stand up collar with hook and loop closure

**EPO86
TWO PIECE EXTRICATION
SUIT PANT FEATURES**

- Two rear patch pockets with flaps
- Side entry pant pockets with pass-through hook and loop closures
- Semi-bellows pocket with flap on each thigh
- Extra large padded knees
- 12" leg zipper with hook and loop adjustable straps at ankle
- Reflective trim
- Padded shins
- Scissor pocket with strap on right semi-bellows pocket

**SMOKE JUMPER COAT
FEATURES**

- Mic Clip
- Chest pocket
- Radio pocket
- Reflective trim on sleeves
- Velcro take ups on sleeve cuffs
- Bellows pockets.
- Reflective trim on coat bottom

**SMOKEJUMPER PANT
FEATURES**

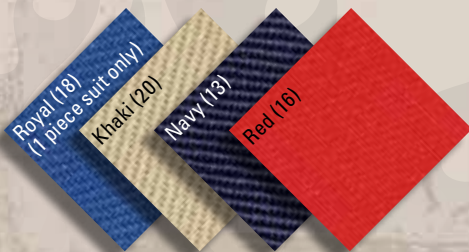
- Bellows pockets and hip patch pockets
- Pass throughs
- Reflective trim on pant cuffs

**Compliant to the new
2013 Edition NFPA 1971**

SMOKEJUMPER MATERIALS



911 SERIES COLORS



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Lakeland.com

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FR/ARC RATED RAINWEAR BUYERS GUIDE



ANSI Certified

Dual Certified for Electric Arc Flash and Flash Fire Protection

**ALL WEATHER
PROTECTION!**

Lakeland ARC TECH® Premium Quality
POLYURETHANE FR/ARC RATED RAINWEAR

ANSI Certified • Dual Certified for Electric Arc Flash and Flash Fire Protection



AJPU10LY



AJPU100R



ABPU10LYZ



ABPU100RZ

HAND
WARMER
POCKETS!

LEG
ZIPPERS!

Rain Jacket

AJPU10LY - Lime Yellow
 AJPU100R - Orange



Arc Rating: 16.3 cal/cm²
 Ebtas: 21.9 cal/cm²
 HAF: 84%
 MVTR: 546 G/M²/24H
 Total % body burn: 19.67%
 3rd Degree Burn: 6.55%
 ANSI 107-2015, Type R, Class 3
 ASTM F1891 Arc Flash
 ASTM F2733 Flash Fire
 ASTM F903 Chemical Resistance

- Oversized hood
 - D-ring pass through
 - Vented back
 - Hand warmer pockets
- Sizes: S- 6X
 Tall Sizing Available

Bib Style Rain Pant

ABPU10LYZ - Lime Yellow
 ABPU100RZ - Orange



Arc Rating: 16.3 cal/cm²
 Ebtas: 21.9 cal/cm²
 HAF: 84%
 MVTR: 546 G/M²/24H
 Total % body burn: 19.67%
 3rd Degree Burn: 6.55%
 ANSI 107-2015, Class E
 ASTM F1891 Arc Flash
 ASTM F2733 Flash Fire
 ASTM F903 Chemical Resistance

- Cargo Pocket
 - Non-metallic, quick release clips
 - 16 inch zippered boot openings
 - 2 snap fly
 - Anti-wicking dam
- Sizes: S- 6X
 Tall Sizing Available

**PU offers Superior Performance:
 More Comfortable**

- Cooler: Breathes and releases perspiration
- Softer and more flexible than other rainwear fabrics
- Polyurethane stays flexible in cold weather
- Lighter weight

More Durable for Longer Wear Cycle

- Softness and pliability make it less prone to get caught on branches and brushes and not tear
- Superior puncture, tear and abrasion resistance
- Reinforced HF sealed seams for maximum strength
- Innovative DRP™ Diamond Reinforced Patch to prevent crotch "blow out"
- Saves money in the long run

Lakeland's Polyurethane FR/ARC Rated Rainwear is loaded with features!



All seams are stitched and high frequency sealed



Over-size jacket hood with adjustable draw string fits comfortably over a hard hat



Jacket collar with self stowing hood storage



Front storm flap with hook and loop closure



Ventilated jacket back



Reinforced lanyard opening



3" internal anti-wicking dam on bottom of jacket and pants to prevent internal moisture migration



Two oversize 9" x 9.5" lower jacket front pockets with hook and loop closure and pull tabs, plus hand warmer openings.



Hook and loop adjustable jacket cuffs for optimal fit and comfort



Non-metallic quick release bib pant strap clips



One reinforced oversize 9" x 9.5" pant pocket with hook and loop closure and pull tabs



Leg zipper for easy donning and doffing over boots and work shoes.

Long Coat and Pants... Lakeland Keeps You Safe and Dry No Matter the Style!



**48" Rain Coat
ALCPU10LY**



Arc Rating: 16.3 cal/cm²
Ebtas: 21.9 cal/cm²
HAF: 84%
MVTR: 546 G/M²/24H
Total % body burn: 19.67%
3rd Degree Burn: 6.55%
ANSI 107-2015, Type R, Class 3
ASTM F1891 Arc Flash
ASTM F2733 Flash Fire
ASTM F903 Chemical Resistance

- 48 inch long coat
 - Oversized hood
 - Anti-wicking dam
 - Vented back
- Sizes:** S- 6X

**Rain Pant
APPU10LYZ**



Arc Rating: 16.3 cal/cm²
Ebtas: 21.9 cal/cm²
HAF: 84%
MVTR: 546 G/M²/24H
Total % body burn: 19.67%
3rd Degree Burn: 6.55%
ANSI 107-2015, Class E
ASTM F1891 Arc Flash
ASTM F2733 Flash Fire
ASTM F903 Chemical Resistance

- 16 inch zippered boot openings
 - 2 snap fly
 - Anti-wicking dam
- Sizes:** S- 6X
Tall Sizing Available

Lakeland FR/ARC Rain Gear Meets ANSI 107-2015, improving worker visibility during the day, in low-light conditions and at night!



800-645-9291
www.lakeland.com

Lakeland[®]
 Protect Your People[™]

Lakeland ARC TECH® Premium Quality PVC FR/ARC RATED RAINWEAR

ANSI Certified • ASTM Arc Flash and Flash Fire Rated



Great Features, Great Protection!



All seams are stitched and high frequency sealed



Over-size jacket hood with adjustable draw string fits comfortably over a hard hat



Jacket collar with self stowing hood storage



Front storm flap with hook and loop closure



Ventilated jacket back



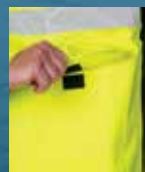
Reinforced lanyard opening



3" internal anti-wicking dam on bottom of jacket and pants to prevent internal moisture migration



Hook and loop adjustable jacket and pant cuffs for optimal fit and comfort



Two oversize lower jacket front pockets with hook and loop closure and pull tab openings



Non-metallic quick release bib pant strap clips



One reinforced oversize pant pocket with hook and loop closure and pull tabs



Leg velcro adjustment tab for easy donning and doffing over boots and work shoes

Rain Jacket AJPVC10LY



Arc Rating: 8.3 cal/cm²
Ebtas: 43 cal/cm²
HAF: 82%
MVTR: 471 G/M²/24H
Total % body burn: 13.66%
3rd Degree Burn: 6.28%
ANSI 107-2015, Type R, Class 3
ASTM F1891 Arc Flash
ASTM F2733 Flash Fire
ASTM F903 Chemical Resistance

- Oversized hood
- D-ring pass through
- Vented back

Sizes: S- 6X
Tall Sizing Available

Bib Style Rain Pant ABPVC10LY



Arc Rating: 8.3 cal/cm²
Ebtas: 43 cal/cm²
HAF: 82%
MVTR: 471 G/M²/24H
Total % body burn: 13.66%
3rd Degree Burn: 6.28%
ANSI 107-2015, Class E
ASTM F1891 Arc Flash
ASTM F2733 Flash Fire
ASTM F903 Chemical Resistance

- Cargo Pocket
- Non-metallic, quick release clips
- 2 snap fly
- Anti-wicking dam

Sizes: S- 6X
Tall Sizing Available

Reflective Safety Clothing Buyers Guide



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Cool Mesh Material



Inside Pocket



Optional Surveyor's Back Pocket!

O-SURV-PKT

V+A2-CONT
ANSI/ISEA Class 2 Vest

FABRIC: Mesh FR Fabric

ADDITIONAL FEATURES:

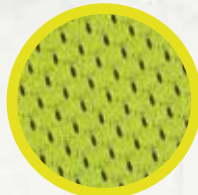
- ANSI 107-2010
- 2 chest pockets
- 2 inside pockets
- Zipper front closure
- Silver reflective trim
- Mesh fire resistant fabric
- Optional Surveyor's Pocket available

Sizes: M-5X

Colors: Lime/Yellow or Orange



Also available in Lime Yellow!



Cool Mesh Material



Hook and Loop Closure

VAM-C2PV-L
Class 2 Polyester Mesh Vests

FABRIC: Polyester Mesh Fabric

ADDITIONAL FEATURES:

- ANSI 107-2010
- 2" silver reflective trim stripes
- 6" x 7" inside utility pocket
- 3.5" x 4.5" pencil slot pocket
- Available in zipper or hook & loop closure.

Color: Lime Yellow

Sizes: M-6XL



V+AM-C2GDK-L
Class 2 Mesh Vest

FABRIC:

ADDITIONAL FEATURES:

- ANSI 107-2010
- 12" zipper front closure
- Silver trim on 4" R/O gro-grain
- Inside patch pocket with 1 pencil slot pocket (left side)
- Cell phone radio pocket with hold down strap and hole to secure antenna (right side)
- 3 slot pencil pocket on left side mounted over a 3.5" x 5" tablet pocket
- Secure pocket 9"x 6" outside with zipper closure

Sizes: S - 6XL

Color: Lime/Yellow



V+AM-C3GDK-L
Class 3 Sleeved Vest

FABRIC:

ADDITIONAL FEATURES:

- ANSI 107-2010
- 12" zipper front closure
- Silver trim on 4" R/O gro-grain
- Inside patch pocket with 1 pencil slot pocket (left side)
- Cell phone radio pocket with hold down strap and hole to secure antenna (right side)
- 3 slot pencil pocket on left side mounted over a 3.5" x 5" tablet pocket
- Secure pocket 9"x 6" outside with zipper closure

Sizes: S - 6XL

Color: Lime/Yellow



VAM-C3SP-L

ANSI Class 3 Polyester Mesh Sleeved Vest

FABRIC: Polyester Mesh Fabric

ADDITIONAL FEATURES:

- ANSI 107-2010
- 2" silver reflective trim stripes
- 6" x 7" inside utility pocket
- 3.5" x 4.5" pencil slot pocket
- Zipper closure.

Color: Lime Yellow

Sizes: M-6XL

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V+AM-OSP2GBV
Premium Mesh 5 Point Breakaway

FABRIC: FR Treated polyester mesh

ADDITIONAL FEATURES:

- ANSI 107-2010 Class 2, ANSI 207-2006
- 5 Point Breakaway
- Radio pocket with trim
- 2 mic tabs
- Open-sided adjustable gro-grain
- Inside pocket
- Badge tab
- 29" in length
- Front hook & loop closure*

Color: Lime/Yellow

Sizes:

SIZE "R" FITS M - 2X
 SIZE "O" FITS 3X - 5X

*Available in 4 Point Breakaway with zipper closure
 V+AM-OSP2GB



Breakaway Shoulders



Radio Pocket



Adjustable Sides

V+AF-OSP2GBV
Premium Solid 5 Point Breakaway

FABRIC: FR Treated polyester solid

ADDITIONAL FEATURES:

- ANSI 107-2010 Class 2, ANSI 207-2006
- 5 Point Breakaway
- Radio pocket with trim
- 2 mic tabs
- Open sided adjustable gro-grain sizing
- Inside pocket
- Badge tab
- 29" length
- Front hook & loop closure*

Color: Lime/Yellow

Sizes:

SIZE "R" FITS M - 2X
 SIZE "O" FITS 3X - 5X

*Available in 4 Point Breakaway with zipper closure
 V+AF-OSP2GB



Breakaway Shoulders



Cool mesh material!



Adjustable Sides

V+AM-OSC2GBV
Classic 5 Point Breakaway Vest

FABRIC: FR Treated polyester mesh

ADDITIONAL FEATURES:

- ANSI 107-2010 Class 2, ANSI 207-2006
- Available in 4 Point Breakaway
- Silver Trim on 4" gro-grain
- Inside left chest pocket
- Two mic tabs
- 27" in length
- Hook and loop front closure

Color: Lime/Yellow & Orange

Sizes:

SIZE "R" FITS M - 2X

SIZE "O" FITS 3X - 5X

Available in solid Fabric

V+AF-OSC2GBV



V-IC-OS
Open Side Incident Command Vest Set

Set of 6, complete with carrying bag

ADDITIONAL FEATURES:

- Zipper front closure
- Adjustable hook and loop sides
- 2 inside pockets
- Cell phone pocket on right chest
- Silver reflective trim on 3" Gro Grain
- 4" X 18" reflective panel on back

Sizes: Oversize (3X - 5X)

Colors: Lime/Yellow, Red, Orange, Royal, White, or Yellow

Personalize Your Garment with Logos or ID Panels!

SAFETY

Call Lakeland Customer Service For Information!
800-645-9291

Lakeland can customize your safety vest with logos or ID panels. Choose from a variety of standard imprints, or send us your own. Call Lakeland Customer Service for details.

Choose From:

- 7" Star of Life, Black or Silver Reflective
- 3" Star of Life, Black or Silver Reflective
- 4"x18" Reflective Panels, Silver Reflective
- Silk Screening
- Digital Die Cutting



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FLAG-18
FLAG-24
Traffic Flag

- Heavy duty coated Nylon Mesh
- 2" Lime/Yellow Reflective Triple Trim on both sides
- Sizes:** 18" x 18" or 24" x 24"
- Color:** Blaze Orange



A+LEG-V-L
Hi Visibility Mesh Leggings

- FABRIC:** Mesh Fabric
- ADDITIONAL FEATURES:**
 - ANSI/ISEA 107-2010 Class E
 - Elastic top & bottom
 - 3 pt adjustable hook and loop closure
 - Silver Reflective trim
- Size:** One size



A-ARMKT-RE (Shown)
A-LEGKT-RE (Not shown)
Reflective Elastic Armband/Leg Band

- Hook and loop Closure
- "Triple trim" look
- Silver reflective trim
- Armband size:** 1 1/2" x 13"
- Leg band size:** 1 1/2" x 15"



V-8AM0322VL

Adjustable Snap Sides Plus High Contrast Binding!

FABRIC: Modacrylic mesh with orange modacrylic binding

ADDITIONAL FEATURES:

- Open-sides with adjustable snap closures
- 2" Silver heat transferred trim
- Meets ANSI 107-2010, Class 2 specifications
- Hook and loop closure
- 27" Length

Sizes: S/M, L/XL, 2/3XL, 4/5XL

Color: Lime Yellow with contrast

Option: Zipper closure

Rating: 5.1 cal/cm2, HRC level 1

Testing: ASTM F1506, NFPA 70E



V-8A0112VL

V-8A0112VO

Solid Modacrylic Vest

FABRIC: Modacrylic Fabric

ADDITIONAL FEATURES:

- ATPV= 5.5 Cal/cm2
- ANSI 107-2010, Class 2
- ASTM F1506
- Hook and Loop closure, front
- 2" FR Silver Reflective Trim
- 27" Length

Sizes: M-5XL

Color: Lime/Yellow & Orange

Option: ANSI 107 Class 3 style available

Rating: 5.5 cal/cm2, HRC level 1

Testing: ASTM F1506, NFPA 70E



V-8AM0113VL

Basic Class 3 Vest

FABRIC: Modacrylic mesh with modacrylic binding

ADDITIONAL FEATURES:

- ANSI 107-2010, Class 3
- Hook and Loop closure, front
- 2" Silver heat transferred trim
- 27" Length

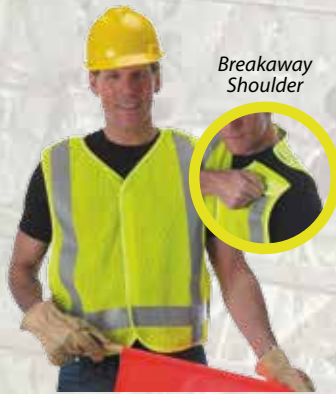
Sizes: S-5XL

Color: Lime/Yellow

Rating: 5.1 cal/cm2, HRC level 1

Testing: ASTM F1506, NFPA 70E

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Breakaway Shoulder

V-8AM1412VL

5 Point Breakaway

FABRIC: Modacrylic mesh with modacrylic binding

ADDITIONAL FEATURES:

- 5 point breakaway at shoulders, adjustable sides, and front closure
- Hook and Loop front closure
- 2" Silver heat transferred trim
- Meets ANSI 107-2010, Class 2 specifications
- 24" Length

Sizes: S/M, L/XL, 2/3XL, 4/5XL

Color: Lime Yellow

Rating: 5.1 cal/cm2, HRC level 1

Testing: ASTM F1506, NFPA 70E



ANTI STATIC!

Style V-10AM0322ZL

Non-conductive Zipper Closure

FABRIC: Modacrylic mesh with orange modacrylic binding

ADDITIONAL FEATURES:

- Non-conductive zipper front closure
- Open-sides with adjustable snap closures
- 2" Silver heat transferred trim
- Meets ANSI 107-2010, Class 2 specifications
- 27" Length

Sizes: S/M, L/XL, 2/3XL, 4/5XL

Color: Lime Yellow with contrast binding

Rating: ATPV= 5.1 cal/cm2, HRC level 1

Testing: ASTM F1506, NFPA 70E



Lanyard Port

V-10AM2023ZL

Class 3 Vest with Lanyard Port

FABRIC: Static dissipative mesh with orange FR modacrylic binding

ADDITIONAL FEATURES:

- Meets ANSI 107-2010, Class 3 specifications
- 2" Silver heat transferred trim
- Non-conductive zipper front closure
- Reinforced lanyard port
- 27" Length

Sizes: M-6XL

Color: Lime Yellow with contrast binding

Rating: ATPV= 5.1 cal/cm2, HRC level 1

Testing: ASTM F1506, NFPA 70E

A.



A. TSP010L Coverall

FR Coverall with Zippered Boot Openings

FABRIC: Twill jumpsuit

ADDITIONAL FEATURES:

- TecaSafe® Plus material
- Meets ANSI 107-2010, Class 3 specifications
- Chest, seat and swing pockets
- 2" silver heat transferred trim
- Zipper front closure
- Adjustable wrists
- 16" zippered boot openings

Testing: ASTM F1506, NFPA 70E, NFPA 2112 Certified

Sizes: Small- 6XL (Tall sizes available)

Color: Lime/Yellow

Rating: ATPV = 8.4 cal/cm², HRC Level 2

B.



B. S-FRJ0653L

Class 3 Shirt with Segmented Trim!

3012 Modacrylic Jersey knit shirt

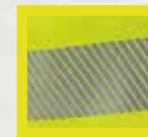
- Cotton plated inside
- Henley style, 3 button front, long sleeve
- Meets ANSI 107-2010, Class 3 specifications
- 3M Comfort segmented trim

Sizes: S-6XL

Color: Lime/Yellow

Also available with solid silver trim,

Style: S-FRJ0613L



Segmented Trim is lighter in weight, and more breathable than solid reflective trim. All those little diagonal spaces add up to more comfort for you!

C.



C. Style T-FRJ0513L

Crew Neck Class 3 Knit Shirt

3012 Modacrylic Jersey knit

- Long sleeves
- Cotton plated inside
- Crew ribbed collar and cuffs
- Meets ANSI 107-2010, Class 3 specifications
- 2" Silver heat transferred trim

Sizes: S-6XL

Color: Lime/Yellow

D.



D. Style T-FRJ0713L

Crew Neck Class 3 Tee Shirt

3012 Modacrylic Jersey Knit

- Short sleeves
- Cotton plated inside
- Crew ribbed collar
- 2" silver heat transferred trim

Testing: Meets ANSI 107-2010, Class 3 specifications

Sizes: M-6XL

Color: Lime/Yellow

Knit Blend Arc Rated Test Data

EBT = 10 cal/cm², HRC Level 2

Testing: ASTM F1506, NFPA 70 E

**Lakeland ARC TECH® Premium Quality
POLYURETHANE FR/ARC RATED RAINWEAR**

ANSI Certified, ASTM Arc and Flash Fire Rated for Electric and Gas Applications



AJPU10LY
Rain Jacket
Meets ANSI 107-2010
Class 3

- Oversized Hood
 - D-Ring pass through
 - Vented back
 - Hand warmer pockets
- Sizes: S- 6X**

Tall Sizing Available



ALCPU10LY
48" Rain Coat
Meets ANSI 107-2010
Class 3

- 48 inch long coat
 - Oversized Hood
 - Anti-wicking dam
 - Vented Back
- Sizes: S- 6X**



ABPU10LYZ
Bib Style Rain Pant
Meets ANSI 107-2010
Class E

- Cargo Pocket
 - Non-metallic, quick release clips
 - 16 inch zippered boot openings
 - 2 snap fly
 - Anti-wicking dam
- Sizes: S- 6X**

Tall Sizing Available

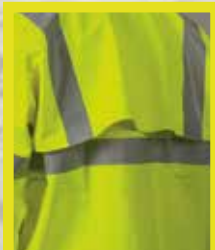


APPU10LYZ
Rain Pant
Meets ANSI 107-2010
Class E

- 16 inch zippered boot openings
 - 2 snap fly
 - Anti-wicking dam
- Sizes: S- 6X**

Tall Sizing Available

Arc Rated Rainwear Standard Features!



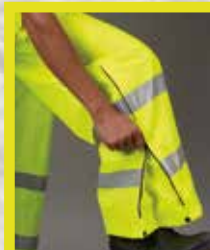
Vented back



3" internal anti-wicking dam on bottom of jacket and pants to prevent internal moisture migration



Over-size jacket hood with adjustable draw string fits comfortably over a hard hat



Leg zipper for easy donning and doffing over boots and work shoes.

PU offers Superior Performance vs. PVC:

More Comfortable • Cooler: Breathes and releases perspiration • Softer and more flexible • Lighter weight
More Durable for Longer Wear Cycle

- Softness and pliability make it less prone to get caught on branches and brush
- Superior puncture, tear and abrasion resistance
- Reinforced HF welded/sealed seams for maximum strength
- Saves money in the long run

Polyurethane Arc Rated Test Data

Certification: Meets NFPA 70E
Jacket and Coat: ANSI 107-2010 Class 3
Bib Overall and Pant: ANSI 107-2010 Class E • ASTM F1891 • ASTM F2733 • ASTM F903
Specification:
Fabric information: 10.0 oz.² Polyurethane over FR cotton knit
Arc Rating: 16.3 Cal/cm²
HRC Level: 2
HAF: 84%
MVTR: 546 G/M²/24H
Total % body burn: 12.30%
3rd degree burn: 6.55%

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Imprinting Available!



CHVRSO1 (Coat)
PHVRSO1 (Pant)
Class III PVC Rain Suit
Coated Polyester Set

ADDITIONAL FEATURES:

- Water proof and wind proof
- Two lower slash pockets
- Two pass through slash pockets on pants
- Removable hood with cord lock
- Adjustable pant legs
- Back ventilation

Sizes: S-5X

Color: Lime/Black

Testing: ANSI 107-2010 Class 3

PAM-GG-L

Flagger's Pants

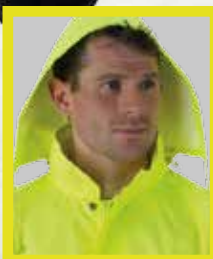
ADDITIONAL FEATURES:

- Adjustable elastic waist with draw string and cord lock
- 2 pass through side pockets
- High contrast striping on the legs
- Snap take ups on cuffs at bottom of pant legs

Sizes:	S/M	24" - 30"
	L/XL	32" - 40"
	2X/3X	42" - 50"
	4X/5X	52" - 60"
	6X/7X	62" - 70"
	8X/9X	72" - 80"

Color: Lime/Yellow

Testing: ANSI Mesh Class E



Removable hood



Water proof and wind proof



Adjustable pant legs



Ventilated back

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C+ANSIP2-L

ANSI Plus 2 Parka... Mother Nature, Give Us Your Best Shot!

Introducing Lakeland's ANSI Plus 2 Parka. Redesigned from the ground up, the Plus 2 Parka is two jackets in one! The Parka Plus 2 outer shell is a versatile jacket you'll reach for day after day. There are plenty of pockets to carry all the essentials. The inner fleece shell zips out to become another jacket all on it's own.

ADDITIONAL FEATURES:

- Exceeds ANSI/ISEA 107-2010 Class 3 specifications
- 32" length jacket
- Wind resistant and water repellent nylon outer shell
- Inner fleece liner is a valuable layering piece
- Wear the inner fleece alone as a second jacket, or as a liner to the nylon shell
- High visibility lime green color
- 3M Scotchlite® 8906 reflective trim

Color: Lime Green/Black

Sizes: S-6X

Tall Sizes: LT-6T

See all of the features of the new ANSI Plus 2 Parka online at Lakeland.com!



It's A Jacket Within a Jacket!



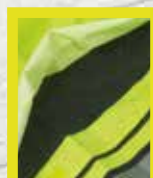
Water resistant and water repellent



Snap off lined hood with brim, Hood fits over a hard hat



Back Yoke can be imprinted



Ventilated mesh under back yoke



Mic tab on each shoulder



G-136

Thinsulate® Lined Gloves

- Hi-Visibility Reflective Glove
- 100% Nylon Shell
- 3M Thinsulate® Liner
- Silver Reflective Trim

Sizes: S - 2XL

Color: Lime/Yellow

- C3SA-FRG2-L Jacket
- C3-SS-L Soft Shell Liner
- *Second Generation High Contrast Bomber Jacket*

ADDITIONAL FEATURES:

- Lime Green Shell with contrasting 3" trim
- All seams are sealed for foul weather use
- Fabric is FR treated and breathable
- Plenty of pockets!
- 2 mic tabs
- Two way heavy duty zipper
- Non conductive closures
- Removable soft shell liner with 2 pockets, Lime/Yellow in color
- Liner has silver trim on sleeves

Color: Lime/Yellow

Sizes: S-8X, MT-8T (tall)



Removable Liner

**Need Insulated
FR Outerwear with
Reflective Trim?
Lakeland Has It!**



IC08RT13

**Insulated FR Coveralls
HRC Level 4 Protection**

- 9 oz. FR Cotton, Water Repellant Outer-shell
- Polyurethane Wind Barrier
- 9 oz. FR Quilted Insulated Batting
- Reflective Trim for Added Visibility
- Bi-swing Back and Elastic Waist
- Leg Zippers with Full Gussets
- Storm Flap and Oversized Pockets
- ATPV:** 55.0 cal/cm², HRC Level 4
- Testing:** NFPA 70E and ASTM F1506
- Color:** Navy with Reflective Trim
- Sizes:** Small – 5XL

IP08RT13 (Parka), IB08RT13 (Bibs)

**Insulated FR Parka and Bibs
HRC Level 4 Protection**

- 9 oz. FR Cotton, Water Repellant Outer-shell
- Polyurethane Wind Barrier
- 9 oz. FR Quilted Insulated Batting
- Reflective Trim for Added Visibility
- Parka has Bi-Swing Back and Elastic Waist
- Non-Metallic Suspenders on Bibs
- Bibs have Leg Zippers with Full Gussets
- ATPV:** 55.0 cal/cm², HRC Level 4
- Testing:** NFPA 70E and ASTM 1506
- Color:** Navy with Reflective Trim
- Sizes:** Small – 5XL



T-A2-P

ANSI Class 2 Performance T-shirt

- FABRIC:** Wicking Fabric
- ADDITIONAL FEATURES:**
- Left chest pocket
 - Silver reflective trim
 - Sizes:** S-6X
 - Colors:** Lime/Yellow or Orange



T-A-P

Performance T-shirt

- FABRIC:** Wicking Fabric
- ADDITIONAL FEATURES:**
- Left chest pocket
 - Sizes:** S-6X
 - Colors:** Lime/Yellow or Orange



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