# CPA Aluminized Clothing

### **Approach Suit**

Approach to within a few yards of flames and radiant heat up to 2000°F.

Jumpsuits and coats may also be adapted to be worn with breathing apparatus.

0647-(Fabric) Hood 671-(Fabric) Overshoes 600-(Fabric) Jacket 30" 234-(Fabric) Gloves

606-(Fabric) Pants

Aluminized clothing has a wide range of applications in the industrial setting, especially where such hazards as high heat or molten metal exist. Along with the ability to reflect 95% of radiant heat, aluminized fabrics reduce the flow of ambient heat by 50% versus non aluminized fabric. Aluminized clothing helps shed both ferrous and non ferrous molten metals.

#### A WORD OF CAUTION: DO NOT CONFUSE AMBIENT, CONDUCTIVE AND RADIANT HEAT!

The following definitions are given as a reference as well as vital assistance in selecting the proper clothing for heat protection:

Ambient Heat is the surrounding atmospheric temperature in a given situation. Examples: 65°-70°F in an office; 2000°F in a fire walk

**Conductive Heat** is generated by direct contact with a hot surface. Examples: picking up a burner block at 600°F; leaning against a furnace wall at 1000°F.

Radiant Heat is generated by the sun or a 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 hot day.)

### **Garment Styles**

Jacket-30"

Coat-40"

Coat-45"

602-(Fabric)







### **Aluminized Clothing**

	30" JACKET	40" COAT	45" COAT	50" COAT	PANT	COVERALL	40" OPEN BACK COAT	HOOD	39" APRON
19 oz KEVLAR® BLEND	600-AKV	601-AKV	602-AKV	603-AKV	606-AKV	605-AKV	564-AKV-40	0647-AKV	539-AKV
19 oz RAYON	600-ARH	601-ARH	602-ARH	603-ARH	606-ARH	605-ARH	564-ARH-40	0647-ARH	539-ARH
15 oz RAYON	600-AR	601-AR	602-AR	603-AR	606-AR	605-AR	564-AR-40	0647-AR	539-AR
17 oz CARBON KEVLAR®	600-ACK	601-ACK	602-ACK	603-ACK	606-ACK	605-ACK	564-ACK-40	0647-ACK	539-ACK
10 oz CARBONX®	600-ACX10	601- ACX10	602- ACX10	603-ACX10	606-ACX10	605- ACX10	564-ACX10-40	0647- ACX10	539- ACX10
16 oz FIBERGLASS	600-AG	601-AG	602-AG	603-AG	606-AG	605-AG	564-AG-40	0647-AG	539-AG
11 oz KEVLAR® TWILL	600-AKT	601-AKT	602-AKT	603-AKT	606-AKT	605-AKT	564-AKT-40	0647-AKT	539-AKT
7 oz PBI®	600-APBI	601-APBI	602-APBI	603-APBI	606-APBI	605-APBI	564-APBI-40	0647-APBI	539-APBI
8.5 oz NOMEX®	600-AN	601-AN	602-AN	603-AN	606-AN	605-AN	564-AN-40	0647-AN	539-AN

#### **Primary Protective Clothing Data**

Protective clothing designed to be worn for work activities during which significant exposure to molten substance splash, radiant heat, and flame is likely to occur.

Such work activities include charging, taping, and pouring, during which work is carried out in close proximity to molten substances and hot surfaces and contact with either is likely.

#### Secondary Protective Clothing Data

Protective clothing designed for continuous wear for work activities in designated locations in which intermittent exposure to molten substance splash, radiant heat, and flame sources is possible.

Secondary protective clothing is designed so that it will not continue to burn after exposure to and removal of a source of ignition. Protection against metal splash and radiant heat are secondary in intent.

#### **Garment Styles**

Coat-50"

Aluminized Pants | Aluminized Coverall | 40" Open Back Coat

**Combo Coat** 











**564-(Fabric)-40** 30", 45" and 50" available

600-Combo-(Fabric)

# **CPAN** Entry Suits

#### Fire Entry Suit #FE2000-XB

The ultimate insulated suit constructed of ZETEX PLUS® high temperature fabric for maximum protection in total flame entry.

HOOD: Designed to be used with air mask. Inner drape flame seals. Underarm adjustment straps. Built-in shell for structural support. Hard cap with ratchet headgear. Speedy clip for hard cap support. Hardened aluminum window frame with two tempered glass lenses, plus two gold plated lenses for thermal protection.

COAT: Designed to be worn with a breathing apparatus. Double storm fly front. Flame seal with drawstring at coat bottom.

PANTS: High waist design. 2-inch wide adjustable suspenders. Adjustment straps on leg bottoms.

**BOOTS:** Designed to fit over work shoes. Rear entry with overlap snap closure and adjustable take-up straps. Insulated wire reinforced sole of flame resistant neoprene fiberglass riveted to boot cover. All straps and bindings are ZETEX PLUS®.

MITTS: Heavyweight all ZETEX PLUS® construction.

WEIGHT: 48 lbs (22 kg)

#### Kiln Suit #KL850-XB

Highly insulated suit with aluminized ZETEX® fabric outer shell and internal vapor barrier.

HOOD: Designed like the fire entry hood. Hardened aluminum window frame with tempered glass lenses.

COAT: Designed to be worn with a breathing apparatus. Double storm fly front. Flame seal with drawstring at coat bottom.

PANTS: High waist design. 2-inch wide adjustable suspenders. Adjustable straps on leg bottoms. ZETEX PLUS® reinforced knee pads.

BOOTS: Designed to fit over work shoes. Heavy insulated upper boot cover with zipper and storm fly. Adjustable tightening straps. 1-inch wooden sole with anti-skid bottoms. Inside leather toe and ankle adjustable straps. ZETEX PLUS® binding.

MITTS: ZETEX PLUS® palm and thumb. Aluminized back and cuff.

#### **Proximity Suit #PR750-(XB)**

Insulated suit with aluminized ZETEX® fabric outer shell and double vapor barrier.

HOOD: Full shoulder length drape. Adjustable underarm straps. Built-in shell for structural support. Hard cap with ratchet adjustment. Speedy clip for hard cap support. 6" x 91/4" gold window and aluminum retainer. Two side wing locks for holding lens and retainer in place.

COAT: Available with or without breathing apparatus accommodation. Double storm fly front. Flame seal with drawstring at coat bottom.

PANTS: High waist design. 2-inch wide adjustable suspenders. Adjustment straps on lea bottoms.

BOOTS: Designed to fit over work shoes. Leather insulated soles. Adjustment tightening straps. ZETEX PLUS® binding.

MITTS: ZETEX PLUS® palm and thumb. Aluminized back and cuff.

#### Approach Suit #AP550-(XB)

#### Vapor barrier lining of

flame retardant neoprene coated FR poly-cotton.

HOOD: Designed like proximity hood with built-in shell for structural support. Hard cap with ratchet adjustment. Speedy clip for hard cap support. Full-length drape is not insulated.

COAT: Tailored sleeves with snap adjustment. Covered front snaps. Available with or without breathing apparatus accommodation.

**PANTS:** High waist design. 8-point all elastic adjustable suspenders (firefighter's type). Snapped triangular storm fly front. Snap adjustment on leg bottoms.

BOOTS: Designed to fit over work shoes. Leather soles and heels. Adjustment tightening straps.

GLOVES: Gauntlet style with leather palms. S.E.F. lining in fingers.



#### **APPLICATIONS**

Our suits are used in industries where protection from high heat sources, including steam and hot liquids or vapors, is required. Examples would be refineries, petrochemical plants, foundries and casting plants, basic steel and aluminum industries, glass and ceramic plants, and laboratories.

Our FIRE ENTRY suit is an essential safety measure for industries dealing with volatile or highly flammable materials. The KILN and PROXIMITY suits are used for maintenance tasks in high heat areas such as kiln or oven maintenance and repair. The Proximity suit, with its double vapor barrier, should be used when steam and volatile materials present an additional hazard. The Kiln suit is suitable for short duration in ambient heat up to 1000°F (530°C) and the Proximity suit in ambient heat up to 500°F (260°C).

### **Proximity Suits/Cooling Vests**



The non-insulated APPROACH suit is used in just about every industry requiring heat protective clothing. It is suitable where ambient temperatures do not exceed 200°F (93°C).

All suits with aluminized ZETEX $^{\circ}$  outer shell fabric are suitable for exposure to radiant heat up to 2000 $^{\circ}$ F (1093 $^{\circ}$ C).

Breathing apparatus is required for the Kiln and Entry suits, and is optional for the Proximity and Approach suits. We do, however, recommend that Proximity suits be ordered with breathing apparatus accommodation.

ALWAYS have two people suited with Fire Entry, Kiln and Proximity suits to work in relays and to aid each other.

#### **Gel Pack Cooling Vest**



# FR-7A° Cooling Vest #CV-VEST

One size fits all. Requires 6 each polyethylene gel packs per vest. Three each in front and 3 each in back. Packs are frozen and then placed in the foil insulated pockets to keep wearer cool in hot environments.

Gel Packs #GCS

#### **Vortex Cooling Vest**



# Vortex Cooling Vest #HCBV-VEST

Vortex head and body cooling system uses 70-100 psi (4.8-6.9 bar) compressed air to cool a worker up to 60°F differential from the air inlet temperature. Vest makes most efficient use of cooling power by properly distributing tempered air over the body.



## Flame Resistant Cotton Workwear

# ORAN®FR-7A®

Proban® / FR-7A® 100% cotton fabrics by Westex are guaranteed to retain their flame resistance to 25 industrial or 50 home launderings. FR-7A® fabrics are offered as an economical alternative for garments not expected to wear beyond the certification point.

Weight: 9 - 9½oz sateen, 11oz twill.

Most popular colors: Visual green, navy, yellow, orange,

	30" COAT	40" COAT	45" COAT
9 oz GREEN	600-GR	601-GR	602-GR
9 oz NAVY	600-NS	601-NS	602-NS
9 oz ORANGE	600-OS	601-OS	602-OS
9 oz RED	600-RS	601-RS	602-RS
11 oz GREEN	600-GW	601-GW	602-GW
11 oz NAVY	600-NW	601-NW	602-NW
11 oz ORANGE	600-OW	601-OW	602-OW
11 oz RUSSET	600-RRT	601-RRT	602-RRT
7 oz GREEN	600-GR7	601-GR7	602-GR7

# **Garment Styles** 30" Jacket & Pant 45" Coat 50" Coat 40" Coat 600-(Fabric) and 606-(Fabric) 601-(Fabric) 602-(Fabric) 603-(Fabric)

### Flame Resistant Cotton Workwear

	50" COAT	COVERALL	PANT	SHIRT	CAPE SLEEVE	19" BIB	BIB OVERALL
9 oz GREEN	603-GR	605-GR	606-GR	625-GR	577-GR	BIB-GR-19	618-GR
9 oz NAVY	603-NS	605-NS	606-NS	N/A	577-NS	BIB-NS-19	618-NS
9 oz ORANGE	603-OS	605-OS	606-OS	N/A	577-OS	BIB-OS-19	618-OS
9 oz RED	603-RS	605-RS	606-RS	N/A	577-RS	BIB-RS-19	618-RS
11 oz GREEN	603-GW	605-GW	606-GW	N/A	577-GW	BIB-GW-19	618-GW
11 oz NAVY	603-NW	605-NW	606-NW	N/A	577-NW	BIB-NW-19	618-NW
11 oz ORANGE	603-OW	605-OW	606-OW	N/A	577-OW	BIB-OW-19	618-OW
11 oz RUSSET	603-RRT	605-RRT	606-RRT	N/A	577-RRT	BIB-RRT-19	618-RRT
7 oz GREEN	603-GR7	N/A	N/A	625-GR7	N/A	N/A	N/A





### Indura® Ultra Soft®



#### Brown Duck Quilt Lined Coat

11 oz Indura® Ultra Soft® shell with 10.5 oz Moda Quilt Lining. 47 ATPV.

Part # 600-BDMQ-(size) Category 4

#### Brown Duck Quilted Bib Overall

11 oz Indura® Ultra Soft® shell with 10.5 oz Moda Quilt Lining. 47 ATPV.

Part # 618-USBDK-(size) Category 4

#### Navy or Khaki Coverall

9oz Navy Indura® Ultra Soft®, 12 ATPV

#### Part # 605-USN-(size)

7oz Khaki Indura® Ultra Soft®, 8.2 ATPV

Part # 605-USK-(size)

9oz Navy Indura®,

Part # 605-IND-N-(size)

### Indura® Ultra Soft®



Medium Blue Work Shirt 7 oz Medium Blue Indura® Ultra Soft®, 8.2 ATPV

Part # 625-USB-(size)



**Khaki Work Shirt** 7 oz Khaki Indura® Ultra Soft®, 8.2 ATPV

Part # 625-USK-(size)



Navy Work Pant 9 oz Navy Indura® Ultra Soft®, 12 ATPV

Part # 606-USN-(waist x inseam)



Indura® Ultra Soft® Interlock Short Sleeve Shirt

Sizes: S-5XL Colors: Navy, Orange, Gray. 10.9 ATPV

Part # 610-USI-SS-(color)-(size) Category 2



Indura® Ultra Soft® Interlock Long Sleeve Shirt

Sizes: S-5XL Colors: Navy, Orange, Gray. 10.9 ATPV

Part # 610-USI-LS-(color)-(size) Category 2



**Denim Rugged Twill Work Pant** 12-13 oz Denim Indura® Ultra Soft®, 10 ATPV

Part # 606-USD-(waist x inseam)



Indura<sup>®</sup> Ultra Soft<sup>®</sup> Fleece Full Zip Hooded Sweatshirt

Indura® Ultra Soft® Fleece. Sewn with Nomex® Thread. Navy, 21.8 EBT

Part # 615-USFN-(size). Category 2



Indura® Ultra Soft® Fleece Hooded Sweatshirt

Indura<sup>®</sup> Ultra Soft<sup>®</sup> Fleece. Sewn with Nomex<sup>®</sup> Thread. Navy, 21.8 EBT

Part # 617-USFN-(size). Category 2



Indura® Ultra Soft® Fleece Crewneck Sweatshirt

Indura<sup>®</sup> Ultra Soft<sup>®</sup> Fleece. Sewn with Nomex<sup>®</sup> Thread. Navy, 21.8 EBT

Part # 620-USFN-(size). Category 2

# CPA Indura® Ultra Soft®





#### **Extrication Coverall** features

- 9 oz Indura® Ultra Soft®
- 2" reflective triple trim
- Semi-bellowed cargo pockets
- Knee and elbow pads
- Zipper front with Velcro® storm flap
- Zipper leg slits
- Adjustable velcro<sup>®</sup> wrist and ankle straps
- Inset knited wristlets

#### **Extrication Coverall** part numbers

Khaki part# 605-XK-(size) Navy part# 605-XN-(size) Red part# 605-XR-(size) Royal Blue part# 605-XRB-(size)



### Indura<sup>®</sup> Ultra Soft<sup>®</sup>





#### Durable FR Winter liners

9 oz woven Indura® Ultra Soft® fleece lined.

Cape style (pictured) # EL-29D Short no cape style # EL-27D

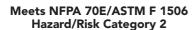
Knited Indura® Ultra Soft®
Unlined, napped side to skin.
Cape style (pictured) # WL-29D







<b>12 CAL HOODED JACKET KIT</b> 1Ply 9 oz. Indura® Ultra Soft®				
35" Hooded Jacket	SW-620-12-(size)			
Face Shield	WV-ARC-XL-CN			
Chin Cup	SW-CN-G			
Cap Bracket	HB-2-CAP			
Class 0 Rubber Glove	LRIG-0-11-(size)			
Leather Protector	PG-0-ADJS-(size)			
Glove Bag	GB-12			
Gear Bag	909-ARC			
COMPLETE KIT	L2K-12-620-(Clothing size)- (Glove size)			





Hard cap not included.



Hard cap not included.

#### 12 CAL JACKET AND BIB OVERALL KIT

IPly 9 oz. Indu	ra® Ultra Soft®	
	SWJ-12-(size)	

Bib Overall SWB-12-(size)
Face Shield WV-ARC-XL-CN
Chin Cup SW-CN-G
Cap Bracket HB-2-CAP
Class 0 Rubber Glove LRIG-0-11-(size)
Leather Protector PG-0-ADJS-(size)

Glove Bag GB-12 Gear Bag 909-ARC

35" Jacket

**COMPLETE KIT** L2K-12-(Clothing size)-

(Glove size)

Meets NFPA 70E/ASTM F 1506 Hazard/Risk Category 2

# 1Ply 12 oz. Indura® Ultra Soft® 35" Jacket SWJ-20-(size) Bib Overall SWB-20-(size) Hood SWH-20 Class 0 Rubber Glove LRIG-0-11-(size)

20 CAL JACKET & BIB OVERALL KIT

**Leather Protector** PG-0-ADJS-(size) **Glove Bag** GB-12

Glove Bag GB-12
Gear Bag 909-ARC

COMPLETE KIT L2K-20-(Clothing size)-

(Glove size)

Meets NFPA 70E/ASTM F 1506 Hazard/Risk Category 2



Hard cap not included.

### **Arc Flash Kits**



Hard cap not included.

<b>36 CAL JACKET &amp; BIB OVERALL KIT</b> 9 oz. over 7 oz. Indura® Ultra Soft®				
35" Jacket	SWJ-36-(size)			
Bib Overall	SWB-36-(size)			
Hood	SWH-36			
Class 2 Rubber Glove	LRIG-2-14-(size)			
Leather Protector	LLPG-12-(size)			
Glove Bag	GB-15			
Gear Bag	909-ARC			
COMPLETE KIT	L3K-36-(Clothing size)- (Glove size)			

Meets NFPA 70E/ASTM F 1506 Hazard/Risk Category 3

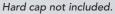
#### **40 CAL JACKET AND BIB OVERALL KIT**

9 oz. Indura® Ultra Soft® over Modaquilt

7 Oz. Illadia Olila .	Soft Over Modaquit
35" Jacket	SWJ-40-(size)
Bib Overall	SWB-40-(size)
Hood	SWH-40
Class 2 Rubber Glove	LRIG-2-14-(size)
Leather Protector	LLPG-12-(size)
Glove Bag	GB-15
Gear Bag	909-ARC
COMPLETE KIT	L4K-40-(Clothing size)- (Glove size)

Meets NFPA 70E/ASTM F 1506 Hazard/Risk Category 4







Hard cap not included.

51 CAL JACKET AND BIB OVERALL KIT 12 oz. over 7 oz. Indura® Ultra Soft®					
35" Jacket	SWJ-51-(size)				
Bib Overall	SWB-51-(size)				
Hood	SWH-51				
Class 2 Rubber Glove LRIG-2-14-(size)					
Leather Protector	LLPG-12-(size)				
Glove Bag GB-15					
Gear Bag 909-ARC					
COMPLETE KIT	L4K-51-(Clothing size)- (Glove size)				

Meets NFPA 70E/ASTM F 1506 Hazard/Risk Category 4



### **Master Series 70E Protection**

The Master Series Arc Flash clothing line is our most advanced design and fabric combination for NFPA 70E HRC 4 protection. The Master Series is available in a 44 cal/cm² and 74 cal/cm². Our 44 cal product is the lightest weight HRC4 ensemble on the market today. Featured is the new unique designed hood, the HRC "2-to-4 Quick Change". Please call and ask us for more information.

- Light weight and durable
- Elastic adjustable pulls at waist of jacket and pant
- Unique "2-to-4 Quick Change" hood

• Leg gussets for easy on and off





Category 4	44 Cal/cm2
Jacket	SWJ-MS44-(size)
Over Pant	SWP-MS44-(size)
Over Hood	SWH-MS44
10 Cal base shield	SW-WVCK

Category 4	74 Cal/cm2
Jacket	SWJ-MS74-(size)
Over Pant	SWP-MS74-(size)
Over Hood	SWH-MS74
10 Cal base shield	SW-WVCK

### Glass Handler's Kevlar® Clothing





Nomex® IIIA from DuPont is an inherently flame resistant fabric. This aramid and static dissipative fiber blend helps shield the wearer from flames, flash fires and electric arcs. Nomex® IIIA clothing is extremely durable, light weight and inherently flame resistant. We offer Nomex® IIIA garments in 3 weights; 4.5oz, 6oz, and 9.5oz. Nomex® IIIA is available in a variety of colors.

Coats available in 30", 40", 45" and 50" lengths.

### **Garment Styles**



2 front; covered snap front and elasticized waistband.

605-NMX-4.5 oz.-Orange (shown) 605-NMX-6 oz.-Royal Blue (shown) Additional colors and weights available.

605-XK-NMX-6 oz.-Khaki (shown) 605-IFRB-NMX-6 oz.-Royal Blue (shown)

### Nomex® Clothing

Nomex® Product Numbers							
	30" JACKET	50" COAT	COVERALL	PANT	SHIRT		
4.5 oz NAVY	600-NMX-4.5-N	603-NMX-4.5-N	605-NMX-4.5-N	N/A	625-NMX-4.5-N		
4.5 oz ORANGE	600-NMX-4.5-O	603-NMX-4.5-O	605-NMX-4.5-O	N/A	625-NMX-4.5-O		
6 oz NAVY	600-NMX-6-N	603-NMX-6-N	605-NMX-6-N	606-NMX-6-N	625-NMX-6-N		
6 oz ROYAL BLUE	600-NMX-6-RB	603-NMX-6-RB	605-NMX-6-RB	606-NMX-6-RB	625-NMX-6-RB		
9.5 oz GREEN	600-NMX-9.5	603-NMX-9.5	605-NMX-9.5	606-NMX-9.5	N/A		

#### Knit Nomex® Undergarments



#### Hot Not™



#### **Knit Hoods**

Knit Nomex® and Nomex®-blend hoods.



**KN-52** Short style, 1-ply, 6 oz. (shown)

**KN-50** Short style, 2-ply, 6 oz.



2001 NFPA firefighter's hood. Knit PBI outer, knit wool inner. Cold weather protection.



PBI-51 PBI fabric, (shown)

FL-KN-51 Long style, 2-ply top, 1-ply bib, 6 oz. Not NFPA



KN-51- 2-ply knit NFPA hood. Meets 1997 NFPA specs.

