

EVERY LIFE HAS A PURPOSE,
WE PROTECT IT.



ABOUT US

Hi Care Safety Solutions is an ISO 9001:2015 certified company that specialises in all high temperature protection of protective garments.

Established in the year of 2017, we are the reputed manufacture of all the personal protective wear. Our primary goal has always been to provide individuals with solutions to protect people from specific workplace hazards such as Fire, Flame, Heat, Electrical Protection, Molten Metal, etc.

Apart from above, we are also in manufacturing of Cold Storage garments, Welding Blanket & Splash protection suit although we use materials that have a high level of performance that are safe & Comfortable & supplying to many others reputed organization & also exporting to many others countries.

Our entire products range is widely suitable in an industries like Foundries, Casting, Operation, Cold Room, Automobile Welding, Glass Industries, Power Generation, Oil Gas Refinery, Petrochemical, Steel Industries and all others application where handling sharp objects and high temperature is involved.

Our all the products range is tested and Certified against all the regulatory standards.

MISSION

To produced best quality of products at the best competitive price and deliver more than promised to our customer.

VISION

Our vision is to be a moral responsibility & trusted leader in protective wear to become benchmark Manufacturing Company in terms of quality, innovation, Customisation for high temperature protection apparels & become preferred supplier globally.

OUR CORE VALUES

Reliability | Honesty & Integrity | Quality | Innovation |
Teamwork | Dignity of Individual | Excellence | Service



CERTIFICATION



EN 469



EN ISO
11612

SGS



NSIC



aitex

OUR BRANDS

ALUMASTER™

ARCDDEFENCE™


COLDSHIELD™

FlareDefend™
PROTECTING FIRE FIGHTERS

STEAMSAFE™
Steam Splash Hot Oil Suit

FlareDefend™

PRODUCT CONTENTS

Aluminised Fire Proximity Suit	1-2
Aluminised Aramid Apron	3
Aluminised Aramid Coat	4
EN 469 Turnout Gear Suit	5-6
Electrical Arc Flash Suit	7-10
Flame Resistance Coverall	11-15
Para Aramid Fire Proximity Suit	16
Hot Oil Steam Splash Suit	17
Cold Protection Garment	17
Fire Entry Suit	18
Heat Resistant Hand Gloves	20
Heat Protective Footwear	21
Fire Protection Blankets	22

ALUMINISED FIRE PROXIMITY SUIT

The Aluminised fabric can bear high temperatures & protection against the radiant heat & protect fire fighter body from fire flames. In particular protection from close to extremely hot fires. The aluminised aramid fabric reflects 95% of radiant heat. The suit is made of multiple coatings of materials and fabrics. Aluminised Fire Proximity Suit is designed as Jacket & Trouser OR One-piece style having a facility on back side for Breathing Apparatus.



Model - HCS ALUECO

Material Composition

Outer Shell-Aluminized glass fibre fabrics 440 gsm with having 95% reflection of radiant heat.

Middle Layer-Vapour barrier

Third Layer-Thermal Barrier

Inner Layer-100% Cotton Flame Resistance Fabric
Available in 2,3, 4 Layer With BA Set
& Without BA Set Provision.

Complete Suit Consists

Jacket & Trouser
Hood with Visor
Helmet IS-2745
Gloves with woollen & FR lining and insulation.

Application

Steel Plant, Foundries, Metallurgy Industries Fire Fighting, protection against the radiant heat.

Certifications: -



Temperature Resistance: 500 to 800°C (Radiant Heat)
Performance levels of A1, B1, C4



ALUMINISED ARAMID FIRE SUIT

Model: HCS ALUPRIME

Material Composition

Outer Shell- Made out of 460 GSM Special imported Aluminised Inherently fire retardant Para Aramid blend rip stop knit fabric.

Middle Layer-Vapour barrier

Third Layer-Thermal Barrier

Inner Layer-100% Cotton Flame Resistance Fabric

Available in the Layer of 2, 3, 4 With BA Set & Without BA Set Provision.

Complete Suit Consists

Jacket & Trouser
Helmet IS-2745
Hood with Visor
Five Finger Hand Gloves with woollen & FR lining and insulation.

Application

Steel Plant, Foundries, Metallurgy Industries Fire Fighting, protection against the radiant heat

Certifications: -



Temperature Resistance: 1000 to 1200°C (Radiant Heat)
Passes level of EN ISO 11612 (A1,B1,C4,D3,E3,F1)



Aluminised Apron With Sleeves Back Open

Mode: HCS ALUPRIME

Fabric Composition

Outer Layer: Made out of 460 GSM of Special Aluminized Inherently Fire Retardant Para-aramid blends rip stop knit fabric.

Middle Layer: Inherently non-woven fabric

Application: Foundries, protection against the high temperature radiant heat.

Design: Back Open Apron & With Slevess

Application

Steel Plant, Foundries, Metallurgy Industries Fire Fighting, protection

Certifications: -



Temperature Resistance: 1000 to 1200°C (Radiant Heat)
Passes level of EN ISO 11612 (A1,B1,C4,D3,E3,F1)



Aluminised Apron Without Sleeves

Mode: HCS ALUPRIME

Fabric Composition

Outer Shell- Made out of 460 GSM Special imported Aluminised inherently fire retardant Para Aramid blend rip stop knit fabric.

Middle Layer: Inherently non-woven fabric

Application Foundries, protection against the high temperature radiant heat.

Design: Back Open Apron & Without Slevess

Application

Steel Plant, Foundries, Metallurgy Industries Fire Fighting, protection

Certifications: -



Temperature Resistance: 1000 to 1200°C (Radiant Heat)
Passes level of EN ISO 11612 (A1,B1,C4,D3,E3,F1)

Aluminised Aramid Overcoat

Mode: HCS ALUPRIME

Fabric Composition

Outer Shell- Made out of 460 GSM Special imported Aluminised inherently fire retardant Para Aramid blend rip stop knit fabric.

Middle Layer: Inherently non-woven fabric

Application: Foundries, protection against the high temperature radiant heat.

Design: Overcoat Full Sleevess

Certifications: -



Temperature Resistance 1000 to 1200 °C (Radiant Heat)
Passes level of EN ISO 11612 (A1,B1,C4,D3,E3,F1)



Aluminised Aramid Jacket

Mode: HCS ALUPRIME

Fabric Composition

Outer Shell- Made out of 460 GSM Special imported Aluminised inherently fire retardant Para Aramid blend rip stop knit fabric.

Middle Layer: Inherently non-woven fabric

Application: Foundries, protection against the high temperature radiant heat.

Design: Jacket Full Sleevess

Certifications: -



Temperature Resistance 1000 to 1200 °C (Radiant Heat)
Passes level of EN ISO 11612 (A1,B1,C4,D3,E3,F1)

**ALL MEN WERE CREATED EQUAL
THEN A FEW BECOME FIREMAN.**



EN 469 Turnout Gear

Model No.: HCS NFS 101

Material Composition

Outer Layer-93% meta Aramid, 5% Para Aramid, 2% Anti-Static blend fabric

Moisture Barrier- PTFE membrane

Thermal Barrier- FR Non-woven fabric
Quilted to Viscose Aramid fabric

Suit consist of

Jacket & Trouser
Helmet
Boots
Gloves
Balaclava Hood

Garment Description:

- Jacket & Trouser made of inherent flame resistance fabric.
- The outer shell is flap conceals the zipper and has a velcro for extra protection.
- For high visibility Two Inch 50mm Certified FR fluorescent reflective tape is applied on chest round, Arms Round of Jacket.
- The entire Pant is held in place by adjustable FR suspenders and at the bottom of trouser 50mm fluorescent reflective tape.
- Throughout the Garments manufacturing FR accessories and thread is used.



EN 469

CE-Certified to EN 469 :2005
The Latest European Norm.

Accessories



Fireman Helmet EN 443



Fire Fighting Boots EN 15090



Fire Fighter Gloves EN 659



Balaclava Hood EN 13911



We Hi Care Safety leading manufacturer of arc flash garments ranging from 4 cal to 100 cal. Arc flash suits are full-body protective garments required for electrical workers to protect them from the heat and energy released during an arc flash. Arc flash suits are personal protective garments (PPE) designed to protect individuals working with dangerous Arc flashes. suits are specially made protective clothing that satisfies essential PPE requirements established by the National Fire Protection Association. Be sure to use an arc flash suit When working with electrical equipment or in high arc-risk environments, use only an arc flash suit that meets these ratings. This helps to give the user an extra second of protection in order to avoid a secondary explosion or flash in the working area. We provide electrical arc flash suit as per approved international standards.

Arc Flash Suit 8 Cal

Model No: ARC DEFENCE HICARC - 8 PRO

Fabric Composition-

The garment made of arc flash resistance, Inherent blend fabric

Design & Feature

- Jacket & Trouser made of inherent flame resistance 240 GSM.
- To provide the wearer with superior protection, the collar is closed with Velcro.
- For better comfort, trouser come with elastic.
- Helmet with Visor tested to ASTM F 2178-12 Cal rated.
- Various designs and patterns are available to meet your needs.

Kit Content:

Jacket & Trouser
Class E Helmet With Face Shield
Fabric Gloves
Storage Bag

Application:

- Transmission Line Maintenance
- LT & HT Panel Maintenance
- Electricians Flash Fire Protection
- Power Generation Unit

Size- S to XXXL

Testing Standard-

- ASTM F 1959
- ASTM F2178 (Open Arc Test) Meets NFPA 70 E
- IEC 61482-1-1



Accessories



Arc Flash Suit 12 Cal

Model No.: ARC DEFENCE HICARE - 12 PRO

Fabric Composition

The garment made of arc flash resistance, Inherent blend fabric.

Design & Feature

- Jacket & Trouser made of inherent flame resistance 240 GSM.
- To provide the wearer with superior protection, the collar is closed with Velcro.
- For better comfort, trouser come with elastic.
- Helmet with Visor tested to ASTM F 2178-12 Cal rated.
- Various designs and patterns are available to meet your needs.

Kit Content:

Jacket & Trouser
Class E Helmet
Hood with Face Shield
Fabric Gloves
Storage Bag

Application:

- Transmission Line Maintenance
- LT & HT Panel Maintenance
- Electricians Flash Fire Protection
- Power Generation Unit

Size- S to XXXL

Testing Standard-

- ASTM F 1959
- ASTM F2178 (Open Arc Test) Meets NFPA 70 E
- IEC 61482-1-1



Accessories



Arc Flash Suit 40 Cal

Model No: ARC DEFENCE HICARE - 40 PRO

Fabric Composition-

The garment made of Multilayer arc flash resistance, Inherent blend fabric

Design & Feature

- Jacket & Bib trouser made of multilayer fabric, the whole assembly weight 550 GSM.
- Additional, throat protection against arc flashes provided by a throat tab.
- Sleeves are reinforced with dual layer aramid fabric wristlets and a hook and loop closure.
- For better comfort, trouser come with elastic and hook, loop at waist to firm it.
- Helmet with Visor tested to ASTM 2178 -40 Cal rated.

Kit Content:

Jacket & Trouser
Class E Helmet With Face Shield
Fabric Gloves
Storage Bag

Application:

- Transmission Line Maintenance
- LT & HT Panel Maintenance
- Electricians Flash Fire Protection
- Power Generation Unit

Size- S to XXXL

Testing Standard-

- ASTM F 1959
- ASTM F2178 (Open Arc Test) Meets NFPA 70 E
- IEC 61482-1-1



Accessories





COVERALL

100% Cotton Flame Resistance Coverall

Design & Feature

- Single layer coverall made of 100% Cotton Flame Resistance Fabric & 240 GSM
- Collar attached with velcro and covered with flap.
- Two side pockets concealed access from the outside to the inside.
- Two chest pockets with flap & one pen pocket on sleeves.
- Right leg a tool pocket.
- Two-way metal zipper with full sleeves cuff & metal snap closure.
- Two back pockets with flap & Velcro.
- Elasticated waist.
- For high visibility, one-inch EN 471 certified FR silver reflective tape is applied across the shoulder, sleeves, and bottom
- All the accessories and thread used flame resistance.



Design- Coverall/ Coat & Pant/ Shirt & Pant

Application-

Oil & Gas Refinery, Chemical Plants, Petroleum Industry.

Size- S to XXXL

Passes Level- A1, B1, C1

Certification-EN ISO 11612: 2015

Colours Available



(IFR) ULTRASOFT COVERALL

Inherent Flame Resistance (IFR)

Design & Feature

- Composition: 93% Meta Aramid ,5% Para Aramid & 2% Antistatic & 150 GSM.
- Two -way metal zipper with full sleeves cuff & metal snap closure
- Two chest pockets with flap & one pen pocket on sleeves
- Right leg a tool pocket.
- Two side pockets concealed access from the outside to the inside.
- Two back pockets with flap & Velcro.
- Elasticized waistband.
- For high visibility, one-inch EN 471 certified FR silver reflective tape is applied across the shoulder, sleeves, and bottom.
- All the accessories and thread used flame resistance.
- Customization as per customer requirements



Design-

Coverall/ Coat & Pant/ Shirt & Pant

Application-

Oil & Gas Refinery, Chemical Plants, Petroleum Industry.

Size- S to XXXL

Passes Level-I A1, B1, C1, F1

Certification: EN ISO 11612 : 2015, EN 1149



EN ISO
11612



EN 1149



NFPA®

Colours Available



(IFR) MODACRYLIC COVERALL

Inherent Flame Resistance Coverall

Design & Feature

- Composition: Modacrylic 50%, cotton 38%, para-aramid 10%, anti-static 2%
- 240 GSM
- Two -way metal zipper with full sleeves cuff & metal snap closure
- Two chest pockets with flap & one pen pocket on sleeves
- Right leg a tool pocket.
- Two side pockets concealed access from the outside to the inside.
- Two back pockets with flap & Velcro.
- Elasticized waistband.
- For high visibility, Two FR reflective tape is applied across the shoulder, sleeves, and bottom.
- All the accessories and thread used flame resistance.



Design-

Coverall/Jacket & Trouser/ Shirt & Pant

Application-

Oil & Gas Refinery, Chemical Plants, Petroleum Industry.

Size- S to XXXL

Passes Level- A1, B1, C1, F1

Certification- EN ISO 11612 : 2015, EN 1149



EN ISO
11612



EN 1149



Colours Available



(IFR) MODACRYLIC COVERALL

Inherent Flame Resistance Coverall

Design & Feature

- Composition: Modacrylic 50%, cotton 38%, para-aramid 10%, anti-static 2%
- 240 GSM
- Two -way metal zipper with full sleeves cuff & metal snap closure
- Two chest pockets with flap & one pen pocket on sleeves
- Right leg a tool pocket.
- Two side pockets concealed access from the outside to the inside.
- Two back pockets with flap & Velcro.
- Elasticized waistband.
- For high visibility, Two FR reflective tape is applied across the shoulder, sleeves, and bottom.
- All the accessories and thread used flame resistance.



Design-

Coverall/ Coat & Pant/ Shirt & Pant

Application-

Oil & Gas Refinery, Chemical Plants, Petroleum Industry.

Size- S to XXXL

Passes Level - A1, B1, C1, F1

Certification- EN ISO 11612 : 2015, EN 1149



EN ISO
11612



EN 1149



NFPA®

Colours Available



PARA ARAMID SUIT

Material Composition

Outer Layer-Made out of 480 GSM Heavy Duty Aramid fabric
Inner layer-Inherently Flame Resistance Woven Fabric
Third Layer- 100% Cotton FR Comfort Layer

Complete Suit consists

Jacket & Trouser
Hood with Visor
Fireman Helmet as per IS-2745.
Gloves with woven & FR lining and insulation.
Shoes with Superior Quality Neoprene sole

Certification

EN ISO 11612: 2008 Protective clothing. – clothing to protect against heat and flame.

EN ISO 388:2003 Protective clothing – clothing to protect against mechanical risks.

Tested as per



Temperature: Heat resistance 500°C

Application:-

rescue operations in an area of intense heat, casting operation, welding & hot work, hot liquid , glass industries, automobiles welding works, petrochemical & refining ,chemical plants.



Para-aramid Apron Without Sleeves

Material Composition

- Para-Aramid Fabrics with inside FR Lining Stitched with Aramid thread.
- GSM of the Fabric 480
- Size: 24X36, 24X48 and can be customised as per requirements.

Tested as per



Temperature: Heat resistance 350°C

Application:-

Rescue operations in an area of intense heat, casting operation, welding & hot work, hot liquid , glass industries, automobiles welding works, petrochemical & refining ,chemical plants.

Material Composition

- Coat & Pant is made NCF Based Material.
- The GSM of the outer shell fabric 750gsm2 (+/-50 g/m2)
- The fabric will offer protection against hot liquid splash.

Complete Suit Consists

Coat & Pant
Helmet
Gloves
Hood With Visor
Shoes Cover

Certification

Fabric is tested & certified to EN ISO 15025 & 388.



Temperature –

Protection from hot liquid & Steam 350°C

Application:

Chemical Industries, Oil Gas, Cement Industries, also can be use for pressure steam application & where ever hot oil & steam application is there.



COLD PROTECTION SUIT



Material Composition:

Suit made of two-layer 100% polyester fabric on the outside for best durability.

Inner Layer: Non-Woven Fabric with the inside insulation. For water resistance additional insulation for Extreme warmth & Moisture Control. Soft Fleece Fabric are used on the inside to provide more comfort. For Hi-Visibility, Two-inch white reflective tape on garments.

Suit Consist

Jacket & Trouser
Hand Gloves
Kit Bag
Temperature Resistance: (-20°C)



ALUMINISED FIRE ENTRY SUIT

Fire Entry Suit

We provide Hicare Safety Fire Entry Suits with high levels of protection and comfort, as well as proper membrane fabric and respirators for fire extinguishing purposes.

Fire Entry Suit made of multi-layer fabric for protection against the fire & heat, having the provision of breathing apparatus on the back side of jacket.

Material Description :

- Outer shell made of special aluminised para-aramid blend fabric tested as per NFPA 1971 standard.
- PTFE Moisture Barrier fabric.
- Thermal Barrier blend quilted with inherent flame resistance fabric.
- Flame resistance fleece fabric.

Suit Consist & Design :

- Jacket & Trouser made aluminised para-aramid blend fabric having facility of B.A Set on back side.
- Five fingers hand gloves protection against the radiant heat.
- Hood consists of a very special grade glass visor which has Original 24 Carat Gold Vapour depositions in order to resist very high radiant heat.
- Overshoes : The shoes should have back side double fastening, and Velcro fastening belt for shoe inside the aluminised overcoat.

Weight : The weight of whole suit approximately 12 kg.

Temperature :

- Ambient Heat 815°C
- Aluminised radiant heat resist 1650°C
- Total Flame Resistance 1093°C

Certification :

Tested as per EN 1486 standard





HEAT RESISTANT HAND GLOVES

Hicare Para Aramid Hand Gloves

- Made from 480 GSM heavy duty para aramid fabric stitched with Mechanically strong Aramid Thread With inside Inherently flame retardant vapour barrier lining
Heat resistance Temperature up to 350°C
- Size: 12" to 22".
- Certified to EN 388 & EN 407



Hicare Para Aramid Leather Hand Gloves

(Substitute of Hazardous Asbestos Hand gloves)

- Front and back portion Made out of heavy duty split leather with 480 GSM Aramid fabrics on palm.
- Economical solution for heat resistant up to 350°C
- Certified to EN 388 & EN 407



Aluminised Para Aramid Hand Gloves

- Made From 650 GSM Aluminized Para Aramid Fabric on both side of hand
- With inside Multiple layer of insulation for higher heat resistant
- Temperature with stand up to 1000°C
- Size: 12" to 22"
- Certified to EN ISO 11612 EN 388 & EN 407



Hicare Knitted Hand Gloves

- Made out of Aramid knitted Fabric flexible, can be griped properly for handling small objects
- Temperature resistant up to 250 °C
- Certified to EN 388 & EN 407



Hicare Aramid Special treated Hand Gloves

- Made from 750 GSM Heavy duty special treated aramid fabric with inside multiple layer of insulation for higher heat resistant in extreme condition.
- Temperature resistant up to 1000°C
- Certification As per EN 388 & EN 407



Hicare Para Aramid Sleeves

- Made from 100% Aramid fabric
- Temperature resistance up to 300°C
- Two ply heavy duty construction
- SIZE- 18"
- Certified to EN 388 & EN 407



HEAT PROTECTIVE FOOTWEAR

Alumaster Aluminised Molten Metal Shoes

- Aluminized para-aramid fabric which is very effective for radiant heat and metal molten splashes.
- Provided with metal chain and nitrile sole
Heat Resistant up to 500 °C
- **Testing:** EN ISO 11612
- **Passes Level:** A1, B1, C4,D3, E3, F1



Alumaster Aluminized Aramid Leg Guard

- Made out of Aluminized Aramid fabrics & inner lining of high-quality chrome leather.
- With Nitrile Rubber non-skid pattern sole.
- Zipper closure.
- **Testing:** EN ISO 11612
- **Passes Level:** A1, B1, C4, D3, E3, F1



EN 15090 Fire Fighter Boots

- **Upper Material :** Flame and heat resistant rubber
- **Lining Material :** Hard-wearing cotton canvas
- **Outsole Material:** Flame, heat and oil resistant rubber
- **Outsole Design :** Versatile Commando pattern
- **Testing:** CE-Certified to EN 15090 standard.



Hicare Para-Aramid Shoes

- Made From 100% para aramid fabric
- Nitrile sole for higher heat resistant
- **Tested as per :** EN 388, EN 407, EN ISO 11612.



FIRE PROTECTION BLANKETS

Hi-Care Fire Blanket

- Made From 100% fibreglass fabric, stitched with Aramid thread
- High temperature resistant Up to 500°C, Thickness: 0.43 MM to 1.5 MM, Weight: 440 g/m²
- Regular Size: 1MTR*2 MTR and 2MTR X 2 MTR and Different size can be customized as per requirement
- Testing and certification As per ASTM D 3776 IS1969, IS11871



Hi-Care Fire Blanket

- Made out of aluminized fibreglass material
- Blanket is stitched with Kevlar thread
- Fiberglass loops are provided for easy hanging purpose
- Regular size: 1 mtrx2 mtr, 2 mtrx2 mtr, or As per Requirement
- Tested & Certified to EN ISO 11612



Water Blanket

- Made of 100% woollen fabric
- Rescuing the person trapped in fire by wrapping the blanket
- Shelf life: 5years
- Size: 5ft x 6ft or 6ft x 8ft



Hi-Care Ceramic Vermiculite Coated Welding Blanket

- Ceramic fire welding blanket is coated with vermiculite and re-inforced with SS wires.
- The blanket is 3MM thick, stitched and seamed with fibreglass tapes on edges.
- Riveted with metal eyelets.
- Used at 1260°C at Continuous working temp, melting above 1650°C.
- Testing and certification As per ASTM D 3776 IS1969, IS11871



Hi-Care Silicon Coated Blanket

- Available in one sided and both sided coated on glass fabric.
- Thickness up to 1.5 mm with brick red grey or black colour.
- Temperature resistance up to 550 to 800°C.
- The unique fabric/blanket can be washed and does not crack on continual usage.



Hi-Care Silica Blanket

- High Silica Blanket Available in 0.7 mm, 1.2 mm & 1.4 mm thickness
- 98% Silica Content, Melting Point 1600°C,
- Working Temperature: 1000-1100 Degree Celsius.





Hi-Care Safety Solutions

Manufacturers & Exporters of Heat Protective Products

Hasti Industrial Estate, Plot No - R-798 Gala No 110,
Opp. Larsen & Toubro, Mahape, Shil Road Mahape,
Navi Mumbai-400701. Contact: 8425055552

E-mail: info@hicareprotectivewear.com | Web: www.hicaresafety.in