



Professional Industry Specific Solutions for Industrial Worksites



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PROTECTIVE CLOTHING

DESIGNED FOR INDUSTRIAL SAFETY

Igneratex offers its customers a combination of trust and durability through its long years of experience in the sector, its expert staff, and the high-performance technical textile products it manufactures without compromising on quality.

Operating in critical fields such as firefighting, search and rescue, and industrial protective clothing with our widely recognized brand "**Igneratex**", Igneratex aims to keep the safety and comfort of its users at the highest level with its state of the art products.



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Class 2



OUTER LAYER

75% Para-aramid, 23% Meta-aramid, 2% antistatic
(220 g/m²)



MOISTURE BARRIER

e - PTFE Coated 100% Aramid Non-Woven Fabric (110 g/m²)



THERMAL BARRIER

100% Aramid Non-Woven Quilted To Inner (120 g/m²)



INNER LAYER

50% Viscose FR, 50% Meta-Aramid (120 g/m²)

Advantages: Aramid-based durable outer fabric - suitable for harsh working environments. Ergonomic design - provides an aesthetic appearance, better fit, and high mobility.

Standards : EN 469:2020 - LEVEL - 2 EN 1149/5

Colors : NAVY, GOLD, RED

Size : S - XXXL

STANDARD: EN 469 X2 Y2 Z2
EN 1149-5: 2018





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EN 1149-5: 2018





GENERAL DESCRIPTION

This product is a protective knitted hood designed to protect the head, face, nape, and neck areas of personnel involved in firefighting and rescue operations against the harmful effects of heat and flame.

FABRIC AND CONSTRUCTION FEATURES

- Fabric type: Interlock knit
- Fabric weight: 240 ± 20 g/m²
- Fiber content: 93% Meta-Aramid / 5% Para-Aramid / 2% Antistatic
- Double-layer structure
- Sewing threads: 100% Aramid

PERFORMANCE AND PROTECTION

- EN ISO 15025 Procedure A - No flame spread, no melting and no hole formation
- ISO 9151 - HTI₂₄ ≥ 8 sec
- EN ISO 6942 - RHTI₂₄ ≥ 13 sec
- ISO 17493 - No melting and dripping at 180°C
- Dimensional change after washing $\leq 5\%$

STANDARDS AND CERTIFICATES

- EN 13911:2017 - Protective knitted hoods against heat and flame
- CE Type Examination Certificate
- ISO 9001:2015 Quality Management System

DESIGN AND USE

- Ergonomic design compatible with helmet and breathing apparatus
- Easy to put on and take off thanks to its elastic structure
- Provides comfort during long-term use
- Sizes are standard

FEATURES

Seams: Flexible, durable seams with 100% aramid thread

Hood: Elastic, removable, and ergonomically designed

Collar: Neck area providing high protection

Donning/Doffing: Easy-to-use elastic structure

Sizes: Standard size

MATERIAL

50% Meta-Aramid 49% Viscose FR 1% Anti-Static - NAVY BLUE
93% Para-Aramid 3% Meta-Aramid 2% Anti-Static - GOLD COLOR



NUMBER OF LAYERS

2



CERTIFICATES

EN 13911:2017



Firefighter



Tigar Firefighter Boot is designed to ensure the safety and comfort of firefighting personnel in the toughest conditions. Resistant to flame, heat, water, acid, alkali, oil, and petroleum derivatives, this boot offers superior performance with its vulcanized rubber components.

By offering high protection and comfort together, the Tigar Firefighter Boot is an ideal choice that maximizes the safety and performance of firefighting personnel.



CERTIFICATES

It has EN 15090:2012, EN 50321:1999, HRN EN ISO 20345:2012, Hlg SRA, Class 0 certificates.

FEATURES

Material: Made of vulcanized rubber material resistant to acid, alkali, oil, and petroleum derivatives.

Sole and Toe Protection: Steel sole and steel toe protection to increase resistance against mechanical impacts.

Visibility: Provides high visibility with the contrast of black and yellow colors.

Durability: Rubber boots offer long-term abrasion resistance, whereas rapid wear occurs in leather boots.

Flexibility: Thanks to its outer surface made of flexible rubber material, it does not crack or split.

Easy Use: Two pull loops for easy donning of the boot.

Abrasion Resistance: Extra durability and excellent abrasion resistance.

Ergonomic Design: Ergonomically designed to reduce the load on the heels.

Sizes: Different size options between 39-47.



Firefighter



The firefighter glove is a professional protective glove designed to protect the hands of personnel working in firefighting and emergency response operations against heat, flame, water, liquid chemical substances, cutting and piercing objects, and harsh field conditions.

The glove has been developed to be easily put on and taken off, and it is designed in an ergonomic structure that will not hinder physical mobility or the use of firefighting equipment and clean air breathing apparatuses.

Product conformity should be evaluated within the scope of the current PPE regulation, (EU) 2016/425. The current legislation reference should be used instead of the old 89/686/EEC phrase.

TECHNICAL STANDARDS AND COMPLIANCEEN

- EN 659:2003+A1:2008: Protective gloves for firefighters.
- EN ISO 21420, EN 388, & EN 407: Covers general requirements, mechanical risks, and heat/flame resistance.
- Compliance: Conforms to the (EU) 2016/425 PPE Regulation and bears the CE mark.

MATERIAL AND LAYER STRUCTURE

- Outer Surface & Palm: Completely water-repellent neoprene aramid.
- Lining & Wristband: Para-aramid inner lining and knitted wristband.
- Reinforcements: Double para-aramid stitching in critical areas and an impact/friction-resistant panel on the back of the hand.
- Visibility: Reflective tape applied to the cuff.

DESIGN AND MODEL FEATURES

Purpose: Neoprene aramid gloves specifically designed for firefighting personnel.

Ergonomics & Fit: Flexible, ergonomic design allows secure and unrestricted equipment use.

Extra Protection: Features a protective back panel, finger piping, and a long cuff for extended arm protection.

Utility Details: Features reflective cuff tape, a carrying hook, and heat-resistant aramid stitching.



Product Type: Neoprene Aramid firefighter glove

Outer Surface: Water-repellent neoprene aramid

Wristband: Para-aramid knitted wristband

Lining: Para-aramid lining

Standard: EN 659:2003+A1:2008



The **PAB Fire Compact Firefighter Helmet** is designed to provide maximum safety and comfort for personnel operating in the most demanding conditions. Manufactured from high-temperature-resistant thermoplastic of European origin, it offers superior protection against extreme heat, mechanical impacts, and chemical hazards.

For enhanced visibility and safety, the helmet features anti-scratch and anti-fog visors, reflective strips for low-light environments, and an aluminum-coated neck protector. Combined with an ergonomic design and a fire-resistant 3-point aramid chinstrap, it ensures that firefighters can perform their critical duties both safely and comfortably.

NEW DESIGN

Provides high protection and ease of use with innovative material selection and production technology.

NECK PROTECTION

Aluminum-coated fiber, Nomex®, genuine leather, or Holland style impregnated wool options.

PERFORMANCE

- Extreme temperature resistance: Withstands flame contact up to 1000°C for 10 seconds.
- Long-term temperature resistance: Subjected to radiant heat test of 14 kW/m² up to 250°C (30 minutes).
- High mechanical impact resistance.
- Low temperature classification: -30°C.

SAFETY

- Electrical insulation capacity: Class E2.
- Reflective strips for effective visibility in low light conditions.
- Fire-resistant aramid-banded 3-point chinstrap that prevents skin irritation.
- Chemical resistance according to EN 443 standard.

COMFORT

- Easily replaceable and washable inner pads.
- Integrated adjustment system (52-64 cm).
- Quick external interior harness release feature with a "Push to release" button.
- Wide range of accessories.

COMFORT

- **Basic configuration (without neck protection):** 1165 g ± 30 g.
- **Basic configuration (with aluminum neck protection):** 1220 g ± 30 g.
- High Technology Materials
- High-temperature resistant thermoplastic shell.
- **Outer visor:** Anti-scratch and anti-fog coated (EN 14458).
- **Inner goggles:** Anti-scratch and anti-fog coated (EN 166 and EN 14458).



The Steel Cylinder Breathing Set is a high performance breathing apparatus designed to ensure the safety of personnel working in firefighting, search and rescue, and hazardous environments. By providing clean air to users, this set prevents exposure to smoke, gas, and harmful particles.

Developed to offer reliable protection in tough working conditions, it stands out with its ease of use and maintenance features.

FEATURES

- **Cylinder Material:** High-pressure air cylinder made of durable steel
- **Cylinder Capacity:** Provides long-term use with a 6-liter capacity
- **Operating Pressure:** 300 bar
- **Duration of Use:** Average duration of use is 60 minutes (may vary depending on the intensity of use)
- **Mask:** Ergonomically designed, provides a perfect seal by completely covering the face
- **Regulator:** Pressure regulator offers a steady and reliable airflow
- **Weight:** Increases mobility during use thanks to its lightweight design

APPLICATION AREAS

Firefighting, industrial accidents, working with hazardous materials



The Composite Cylinder Breathing Set is a high-performance breathing apparatus specially designed to ensure the safety of personnel working in firefighting, search and rescue, and hazardous environments. By providing clean air to the user, this set offers full protection against harmful smoke, gas, and particles.

Providing reliable protection in tough conditions with its lightweight and durable structure, it stands out with its ease of use and long-term performance.

FEATURES

- **Cylinder Material:** High-pressure air cylinder made of lightweight and durable composite material
- **Cylinder Capacity:** Provides long-term use with 6 liters (8-liter option available)
- **Operating Pressure:** 300 bar
- **Duration of Use:** Average duration of use is 60 minutes (may vary depending on the intensity of use)
- **Mask:** Ergonomic design that completely covers the face and provides a tight seal
- **Regulator:** Pressure regulator that provides a steady and reliable airflow
- **Weight:** Lightweight design thanks to the composite cylinder; increases mobility

APPLICATION AREAS

Firefighting, working with hazardous materials, industrial accidents

Search and Rescue

Jacket + Trousers with Suspenders



Professional protective suit designed to be produced with an outer fabric of 93/5/2 aramid antistatic structure, an inner lining of 120 g/m² aramid/viscose flame-retardant fabric; reinforced with silicone Kevlar in the knee and elbow areas.

Product Group: Flame-retardant protective clothing
Area of Use: Industrial field, maintenance, rescue, and working environments with high heat risk
Model: High-collared jacket + trousers with suspenders
Color / Design: Navy blue main fabric, red trims, reflective strips

Product Description

This flame retardant jacket and trouser set offers double layer protection, featuring silicone Kevlar reinforced knees and elbows for enhanced durability.

Search and Rescue

Jacket + Trousers with Suspenders



Layer / Fabric Structure

- **Outer Fabric:** 93/5/2 aramid antistatic fabric; 93% meta-aramid, 5% para-aramid, 2% antistatic fiber. It is a flame-retardant, heat-resistant, and antistatic outer layer.
- **Inner Lining:** 120 g/m² aramid/viscose flame-retardant lining. Designed for comfort, moisture management, and inner surface usage convenience.
- **Knee Reinforcement:** Silicone-coated Kevlar fabric. Increases wear, friction, and contact resistance in the knee area.
- **Elbow Reinforcement:** Silicone-coated Kevlar fabric. Provides local resistance and long life in the elbow area.
- **Sewing Thread:** 100% aramid sewing thread is recommended. Helps maintain seam integrity against high heat and flame contact.
- **Reflective Tape:** 5 cm flame-retardant reflective strip. Provides visibility support in the torso, arm, and trouser hem areas

Advantages

The aramid based outer fabric is selected to provide resistance against high heat, flame, and harsh field conditions. Ergonomic design provides an aesthetic appearance, a good fit, and high mobility. Kevlar reinforcements support the service life of the product in highly stressed areas such as knees and elbows.

Standards

- **EN ISO 13688** – General requirements for protective clothing; evaluation of ergonomics, size fit, harmlessness, and marking.
- **EN ISO 11612** – Appropriate evaluation standard for protective clothing performance against heat and flame. Final classes should be written according to the test result.
- **EN ISO 11611** – Can be considered for evaluation if the clothing is intended for use in welding and allied processes.
- **EN 1149-5** – Evaluation can be made for antistatic protective clothing requirements.
- **EN ISO 20471 / EN 17353** – Reflective and warning visibility evaluation can be made according to the visibility need.

Note: This data sheet is a product design document. CE, standard class, and performance level should only be declared after accredited laboratory tests and technical file evaluation.
Colors: Navy / Red
Size: S – 4XL

Care Symbols: Wash at 40°C, do not bleach, tumble dry at low temperature, iron at low temperature, professional dry cleaning is possible. The final care instructions should be clarified according to the fabric and accessory test reports.

				
EN ISO 11612:2015 A1 B1 C1 E1	IEC 61482-1-2	EN 61482-2:2020 APC2	EN 1149-5:2018	EN 13034



Layer / Fabric Structure

Fabric: Membrane coated Polyester, Antistatic – 250 g/m²

Advantages: The single-layer flame-retardant raincoat Jacket Trousers are designed to protect personnel working in firefighting, emergency response, and harsh field conditions against rain, water, wind, limited flame contact, and hot environment effects. Thanks to its single-layer structure, it provides lightweight, flexible, and comfortable use. The welded seam system offers additional protection against rain and liquid penetration. Thanks to its 250 g/m² Membrane coated FR Oxford technical fabric, welded seam structure, and aramid-backed reflective tapes, it provides waterproofness, visibility, and durability suitable for field use.

Standards:

- **EN ISO 343** – Protection against rain and bad weather conditions
- **EN ISO 14116** – Protection against limited flame spread
- **EN 1149-5:2018** – Antistatic protective clothing standard
- **EN 20471** – High visibility / reflective visibility performance
- **EN 13034 - EN 13034:2005** – Standard for limited protection against liquid chemicals

Colors: Yellow, Navy

Size: S – 4XL

Product Type: Single-layer flame-retardant raincoat Jacket
Trousers

Fabric: Membrane coated FR oxford technical fabric

Fabric Structure: PVC coated waterproof structure

Fabric Weight: 250 g/m²

Seam Structure: Welded seam system that increases waterproofness

Reflective Tape: Grey colored, aramid-backed flame-retardant reflective tape

Hood: Adjustable hood system concealable in the collar

Front Closure: Concealed zipper and protective front flap structure

Pockets: Pocket system welded to the outer surface

Sleeve Structure: Windbreaker sleeve detail

Ventilation: Ventilation holes that increase user comfort

Visibility: Reflective tape application on torso and sleeve areas

Size Range: 48-62 / S-4XL

				
EN 343	EN ISO 11612:2015 A1 B1 C1 F1	EN ISO 20471	EN 1149-5:2018	EN 13034





Layer / Fabric Structure:

- **Fabric:** FR Membrane coated Polyester, Antistatic 250 g/m²

Advantages: The single-layer flame-retardant raincoat is designed to protect personnel working in firefighting, emergency response, and harsh field conditions against rain, water, wind, limited flame contact, and hot environment effects. Thanks to its single-layer structure, it provides lightweight, flexible, and comfortable use. The welded seam system offers additional protection against rain and liquid penetration. Thanks to its 250 g/m² Membrane coated FR Oxford technical fabric, welded seam structure, and aramid-backed reflective tapes, it provides waterproofness, visibility, and durability suitable for field use.

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Colors: Yellow, Navy
Size: S – 4XL

Product Type: Single-layer flame-retardant raincoat
Fabric: Membrane coated FR oxford technical fabric
Fabric Structure: PVC coated waterproof structure
Hood: Adjustable hood system concealable in the collar
Front Closure: Concealed zipper and protective front flap structure
Pockets: Pocket system welded to the outer surface
Sleeve Structure: Windbreaker sleeve detail
Ventilation: Ventilation holes that increase user comfort
Visibility: Reflective tape application on torso and sleeve areas
Size Range: 48-62 / S-4XL

				
EN 343	EN ISO 11612:2015 A1 B1 C1 F1	EN ISO 20471	EN 1149-5:2018	EN 13034



Layer / Fabric Structure:

- **Fabric:** Membrane-coated Polyester, Antistatic 250 g/m²
- **Inner Layer:** 50% Viscose FR, 50% Meta-Aramid – 120 g/m²

Advantages: The raincoat jacket is a high-visibility protective clothing model designed to provide upper body protection in rain, water, wind, and harsh outdoor conditions.

Thanks to its single-layer structure, it provides lightweight, flexible, and comfortable use. The welded seam system offers additional protection against rain and liquid penetration. Thanks to its 250 g/m² Membrane-coated FR Oxford technical fabric, welded seam structure, and aramid-backed reflective tapes, it provides waterproofness, visibility, and durability suitable for field use.

Standards

- **EN ISO 343** – Protection against rain and bad weather conditions
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Colors: Yellow, Navy
Size: S – 4XL



- The product is designed as a raincoat jacket.
- There are two lower pockets with flaps on the right and left sides of the lower front section.
- The model has been developed for use against rain, water, wind, and harsh outdoor conditions.
- Vertical reflective tape has been applied on the front torso to increase visibility.
- The product is in the form of an upper body protective jacket; trousers are not included in this model.
- There are two rows of horizontal reflective tape around the torso.
- The jacket is designed in high-visibility fluorescent yellow.
- Double-row horizontal reflective tape is used around the sleeves.
- There is a full-length zipper closure system on the front.
- The reflective tapes are designed in silver/grey color to provide high visibility.
- The zipper line is covered with a full-length protective front flap that provides additional protection against outdoor effects.
- The jacket has a long-sleeved structure.
- The product has a high-collar structure and provides additional protection in the neck area.
- The cuffs are designed in a simple and straight form suitable for use.

EN 343	EN ISO 11612:2015 A1 B1 C1 F1	EN ISO 20471	EN 1149-5:2018	EN 13034



Heavy duty yet ultra light masterpiece that brings the full potential of aramid fiber to the field with a **100% professional performance vision**. In the most critical and unpredictable environments where you cannot classify the risks, this suit which looks like a thin piece of fabric but offers a massive 40 cal/cm² absorption capacity is the greatest and silent enemy of fatal occupational accidents.

Fabric and Layer Technology

An ultra-strong material that is not thick but can melt away massive explosion kinetics.

Weight and Structure

At an incredibly lightweight 440 g/m² (Just 225 g/m² + 215 g/m²), the 2/1 Twill woven fabric layers offer a revolutionary design that gives the personnel wearing the Trousers and Jacket the feeling of carrying no load at all.

Content

Armored with the pure power of 93% Meta Aramid, 5% Para-Aramid, and 2% Antistatic; a high thermal structured fabric that guarantees never burning (Inherent FR) rather than merely delaying ignition.

Performance and Protection Level

Test data that challenges competitors in its category in the weight to performance ratio:

Finished Product Arc Rating (ATPV): 40 cal/cm²

Fabric Layers Arc Rating (ATPV): 49 cal/cm²

Arc Class: Superior performance rating at the peak of APC 2 / CLASS 2 requirements.

Certificates and Standards

Exceeding the criteria demanded in all heavy industry and power grid tender documents / specifications:

Compliant with permanent flame resistance certifications (its lifespan is not depleted by washing/wear).

Compliant with heavy antistatic spark tests.

Directly compliant and fully aligned with all CLASS 2 certification quality policies determined for electric arc flash exposure.

Ideal Areas of Use

Designed for technical personnel and fault detection units in closed cell panel rooms where high arc or medium high voltage centers are located, maintenance transformers, or industrial-distribution line operation centers where the arc source poses an absolute danger.



Electrical



Great innovation that combines entirely environment-focused, next generation sustainability principles with uncompromising arc protection engineering. It breaks the synthetic and stiff feel of traditional heavy and uncomfortable industrial workwear; it combines the power of natural organic cotton and aramid fibers in a wonderful armor that respects your body. It is the most eco friendly protector of the CLASS 2 category.

Fabric and Layer Technology

A unique blend of raw materials that eliminates skin irritation and provides organic breathability.

Weight and Structure

Very strong against wear and tear with a 2/1 Twill weave at an optimal total weight of 485 g/m².

Content

Fabric layers blended with Meta-Aramid, Modacrylic, Natural Cotton, Nylon, and Antistatic fibers; it offers comfort and protection together with its soft cotton surface enveloping your skin and aramid-nylon fibers forming the outer shield.

Performance and Protection Level

Proof of superior resistance demonstrated in the laboratory without the use of heavy synthetic fabrics:

Arc Rating (ATPV / Energy Test Scores): 33 cal/cm²

Arc Class: CLASS 2 category with a solid performance above the average.

Certificates and Standards

Perfectly complies with corporate workwear regulations as well as all standard industrial flame retardant quality criteria:

Its Flame Retardant structure comes from the inherent nature of the yarn. Safety templates with electrostatic surface insulation. Quality process design following certification rules and calibrated with global validity against Arc Flashes in compliance with ISO.

Ideal Areas of Use

It can be comfortably used in wind and solar (WPP/SPP) power plant projects that comply with green energy and sustainable energy policies, and in all internal and external field processes of global corporate companies with high environmental sensitivity and certification expectations.



Electrical



gift of smart fiber technology to the world of arc risks. It is a suit that uses one of the rare "reactive insulation" logics in the world; the unique PREOX fibers inside immediately react to the massive heat they detect faster than a second during an arc flash, thickening to create a carbon protection cage. Your jacket literally thickens during an arc, putting you under a massive protection of 50 cal/cm².

Fabric and Layer Technology

The engineering combination of three different invincible powers (Aramid, Viscose FR, PREOX).

Weight and Structure

High-quality 2/1 Twill fabric layers with a total lightness of 460 g/m² that leave a flexible and premium suit impression.

Content

Outer and inner fabric layers with Aramid, Viscose FR, PREOX, and Antistatic components eliminate sweating with Viscose, dampens flames with Aramid, and turns shock-absorbing coal/carbon insulation into a shield with the miracle of PREOX.

Performance and Protection Level

Laboratory results of the trio of power, thinness, and reactivity:

Arc Rating (Test Score Quality): 50 cal/cm²

Arc Class: CLASS 2 category with a solid performance above the average.

Certificates and Standards

Being a priority premium armor series, it contains the holistic safety and flame resistance specifications accepted by the world:

- Features both inherent flame retardant (Inherent FR) quality and carbonization protection test characteristics.
- High non-flammability according to oxygen index limits.
- Approval of top-level thermochemical stability based on CLASS 2 test methodology designed within the framework of ISO/EN norms.

Ideal Areas of Use

It is the most elite safety option for maintenance managers (field chief engineer/supervisor) in hybrid hazardous refineries where there are petrochemical splash risks along with electric arc potential, high voltage circuit design/test rooms, and large industrial complexes with very complex arc risks.

Electrical



Full time shift suit that distribution personnel can wear safely every day without sweating or feeling restricted. Thanks to its legendary Viscose FR touch, it is almost as comfortable as standard daily workwear; however, in the event of a possible accident, it builds an insurmountable 11 cal/cm² wall between the danger and the victim. It is the body's air conditioner in all seasons.

Fabric and Layer Technology

The magical combination of industrial workwear durability and natural cotton softness.

Weight and Structure

~250 g/m² weight, 2/1 Twill Weave. A wonderful profile that is thin, draped, and maintains its form every day.

Content

50% Viscose FR, 49% Meta-Aramid, 1% Antistatic. Special Flame Retardant Viscose fibers prevent sweating, Aramid fibers hold its shape with a noble fireproof mold.

Performance and Protection Level

The solid heat defense under its flexible structure has been certified by test laboratories.

Arc Energy Resistance (ATPV): 11 cal/cm²

Incident Energy Limit (ELIM): 10 cal/cm²

Arc Class: CLASS 1 (APC 1)

Certificates and Standards

A chain of internationally valid certificates that strictly fulfill seasonal occupational safety requirements:

- N 61482-2:2020: Protection Against Arc Flash (APC 1)
- EN ISO 11612:2015: Heat and Flame Protection (A1 B1 C1 F1)
- EN ISO 11611:2015: Welding Protection (A1, Class 1)
- EN 17353:2020: Visibility (Type AB3)

Ideal Areas of Use

It is ideal for year-round use by mobile and daily "hustling" electrical field units such as switchyard periodic inspections, low/medium voltage panel installations, and industrial factory internal maintenance operations.





Invisible engineering marvel that forms the heart of your arc protective occupational safety system. When worn under your outerwear, it creates a vital extra barrier between your body and the protective outer armor, increasing the total system (layering) protection to incredible levels. It is the smartest first layer of multi-layered dressing.

Fabric and Layer Technology

Since it is in direct contact with the skin, it is manufactured by focusing on skin comfort as much as its protection features.

Weight and Structure

225 g/m² weight, special Pique Knit elastic structure. It reduces stress by ensuring sweat is quickly removed from the body.

Content

93% Meta-Aramid, 5% Para-Aramid, 2% Antistatic. Cottony feel, pure aramid power.

Performance and Protection Level

It is not just a "base layer", it is a heat barrier in itself whose values have been precisely measured in international laboratories.

Arc Energy Resistance (ATPV): 6.4 cal/cm²

Incident Energy Limit (ELIM): 5.6 cal/cm²

Arc Class: APC 1 (CLASS 1 - As inner layer equipment)

Certificates and Standards

It is a CAT III class garment that has passed completely professional arc equipment test procedures independently:

- **EN 61482-2:2020:** Protection Against Electric Arc (APC 1)
- **EN ISO 11612:2015:** Protection Against Heat and Flame (A1 B1 C1 F1)
- **EN 1149-5:2018:** Antistatic Property

Ideal Areas of Use

It must absolutely be used as an additional protective armor inside a coat or jacket in operations involving maximum level arc risk (Class 2). In summer months, it provides ergonomic use as a single-piece flame-retardant top garment over work trousers only in laboratories or panel test rooms.



Prestige level arc protective coat developed for the harshest field conditions of Turkey's leading electricity distribution companies, specially produced to maximize user comfort. It serves as a unique shield against deadly arc risks while keeping personnel warm against the harshest winter conditions during high voltage line, transformer substation, and open field operations.

Fabric and Layer Technology

Its fabric is designed not only for durability but also for the comfort of the human body. The product has a 4-layer composite structure with a total weight of 720 g/m².

Content

93% Meta-Aramid, 5% Para-Aramid, 2% Antistatic

Feature

Advanced engineering marvel insulation that minimizes the weight felt by the wearer while absorbing arc heat in a fraction of a second. It provides optimum freedom of movement for engineers who remain in the field for hours in harsh winter conditions.

Performance and Protection Level

There is no room for luck in the field, there is room for tested power. TEGİN leaves the performance of many products in its category far behind.

Arc Energy Resistance (ATPV): 61 cal/cm²

Arc Class: CLASS 2 (APC 2) - The highest level category in IEC 61482-1-2 norms.

Certificates and Standards

Fully equipped armor passed AITEX (0161) and UNIVERSAL (2163) tests, CE certified at CAT III PPE level:

- EN 61482-2:2020: Protective Clothing Against Electric Arc Hazards (APC 2)
- EN ISO 11612:2015: Protection Against Heat and Flame (A1 B3 C2 F3)
- EN ISO 11611:2015: Welding Protection (A1, Class 1)
- EN 1149-5:2018: Electrostatic Properties (Antistatic)
- EN 17353:2020: Enhanced Visibility (Type AB3)

Ideal Areas of Use

It is the indisputable number one choice for MV/HV (Medium Voltage/High Voltage) energy transmission lines carrying a high arc flash risk, transformer distribution centers, panel rooms, power generation plants, and maintenance-repair fault teams working with the mission of providing uninterrupted power in harsh winter conditions.





OUTER LAYER

93% Meta-Aramid, 5% Para-Aramid, 2% Antistatic – 210 g/m²

Advantages: Aramid based durable outer fabric suitable for harsh working environments. Ergonomic design provides an aesthetic appearance, better fit, and high mobility.

Standards:

- **EN ISO 11612:2015** – Protective clothing standard against heat and flame
- **EN ISO 11611:2015** – Protective clothing standard for use in welding and allied processes
- **EN 1149-5:2018** – Antistatic protective clothing standard
- **EN 13034:2005** – Limited protection standard against liquid chemicals
- **IEC 61482-1-2:2020 Class 1 (4 kA)** – Protective clothing standard against electric arc

Colors : NAVY, RED, ORANGE

Size : S – 4XL

EN ISO 11612:2015 A1 B1 C1 F1	IEC 61482-1-2	EN 61482-2:2020 APC2	EN 1149-5:2018	EN 13034

Design / Model Features

- The model shown in the form of a jacket trousers suit.
- It is produced from a synthetic aramid fabric combination that provides a thin, soft touch, and comfortable use.
- The front closure features an FR black textile zipper and a protective front flap that protects the zipper from external factors.
- Optionally, an FR type metal-toothed zipper can be used.
- 100% aramid thread is used in the seams.
- A single row of horizontal 5 cm flame-retardant yellow grey yellow reflective tape is applied on the chest, sleeves, and trouser legs.
- The reflective tape placement is designed in accordance with the jacket-trousers model in the visual.
- There are 2 flapped chest pockets on the jacket and 3 pockets on the trousers. The number and placement of the pockets can be changed upon request.
- The sleeve ends feature an adjustable cuff structure with FR hook and loop fasteners.
- The high collar design provides additional protection and wearing comfort in the throat/neck area.
- The product is suitable for industrial protection, electrical arc risk, and flame retardant workwear use.





OUTER LAYER

93% Meta-Aramid, 5% Para-Aramid, 2% Antistatic – 210 g/m²

Advantages: Aramid based durable outer fabric suitable for harsh working environments. Ergonomic design provides an aesthetic appearance, better fit, and high mobility.

Standards:

- **EN ISO 11612:2015** – Protective clothing standard against heat and flame
- **EN ISO 11611:2015** – Protective clothing standard for use in welding and allied processes
- **EN 1149-5:2018** – Antistatic protective clothing standard
- **EN 13034:2005** – Limited protection standard against liquid chemicals
- **IEC 61482-1-2:2020 Class 1 (4 kA)** – Protective clothing standard against electric arc

Colors : NAVY, RED, ORANGE

Size : S – 4XL

				
EN ISO 11612:2015 A1 B1 C1 F1	IEC 61482-1-2	EN 61482-2:2020 APC2	EN 1149-5:2018	EN 13034

Design / Model Features

- The product is designed as a one piece protective coverall.
- The model is in the form of a coverall with a high collar and front closure.
- It is produced from a synthetic aramid fabric combination that provides a thin, soft touch, and comfortable use.
- The front closure features an FR (Flame Retardant) black textile zipper and a full-length protective front flap that protects the zipper from external factors.
- Optionally, an FR molded plastic (bone-type) zipper can be used.
- 100% aramid thread is used in the seams.
- A single row of horizontal 5 cm flame-retardant yellow-grey-yellow reflective tape is applied on the chest, back, sleeves, and trouser legs.
- The reflective tape placement is designed in accordance with the coverall model.
- There are 2 flapped chest pockets on the coverall and a total of 3 pockets on the leg sections. The number and placement of the pockets can be changed upon request.
- The sleeve ends feature an adjustable cuff structure with FR hook-and-loop fasteners.
- The high collar design provides additional protection and wearing comfort in the throat/neck area.
- Elastic shirring/ribbing has been applied to the waist part of the coverall to increase mobility.
- The one piece coverall structure provides comfortable mobility and safe use while protecting body integrity.
- The product is suitable for industrial protection, electrical arc risk, and flame-retardant workwear use.



OUTER LAYER

93% Meta-Aramid, 5% Para-Aramid, 2% Antistatic – 210 g/m²



MOISTURE BARRIER

100% Meta-Aramid felt + PU membrane – 110 g/m²



THERMAL BARRIER

100% Aramid non-woven, quilted to inner layer – 140 g/m²



INNER LAYER

50% Viscose FR, 50% Meta-Aramid – 120 g/m²

Advantages: Aramid-based durable outer fabric - suitable for harsh working environments. Ergonomic design - provides an aesthetic appearance, better fit, and high mobility.

Standards :

- **EN ISO 11612:2015** – Protective clothing standard against heat and flame
- **EN ISO 11611:2015** – Protective clothing standard for use in welding and similar processes
- **EN 1149-5:2018** – Antistatic protective clothing standard
- **EN 13034:2005** – Limited protection standard against liquid chemicals
- **IEC 61482-2:2020 Class 2 (7 kA)** – Protective clothing standard against electric arc

EN ISO 11612:2015 AT B1 C1 F1	IEC 61482-1-2	EN 61482-2:2020 APC2	EN 1149-5:2018	EN 13034

Design / Model Features

- **Overall Build:** Navy blue protective coat designed with a high collar for extra neck protection and an FR (Flame Retardant) zipper covered by a full-length protective front flap.
- **Pockets & Cuffs:** Features two chest pockets with Velcro flaps and adjustable Velcro cuffs.
- **Reflective Detailing:** Equipped with 5 cm flame retardant yellow-grey-yellow horizontal reflective tapes on the chest, hem, and sleeves.
- **Stitching:** Sewn entirely with flame-retardant aramid thread.
- **Intended Use:** Professionally designed for industrial protection and as flame-retardant workwear.



Iron and Steel



OUTER LAYER
MARLAN PLUS 350 g/m²

Advantages: Suitable for harsh working environments. Ergonomic design - provides an aesthetic appearance, better fit, high protection, and mobility.

Standards:

- **EN ISO 11612:2015 (D3-E3)** – Protective clothing standard against heat and flame
- **EN ISO 11611:2015 Class 2** – Protective clothing standard used in iron, steel, and aluminum works
- **EN 1149-5:2018** – Antistatic protective clothing standard
- **EN 13034:2005** – Limited protection standard against liquid chemicals

Colors : NAVY

Size : S – 4XL

EN ISO 11612:2015 A1 B1 C1 F1	EN ISO 11611:2015 A1 A2 Smif 2	EN 17353 Tip B2	EN 1149-5:2018	EN 13034

Design / Model Features

- **Overall Build:** Jacket and trousers set made from a soft, comfortable protective fabric, featuring a high collar for neck protection.
- **Closure:** Flame-retardant (FR) zipper protected by a full-length front flap with snap fasteners. Sewn entirely with high-strength FR thread.
- **Visibility:** 5 cm FR reflective tapes (yellow-grey-yellow or grey) stitched into the seams on the chest, sleeves, and legs.
- **Pockets & Cuffs:** Adjustable snap-fastener cuffs. Features 2 flapped chest pockets and 3 trouser pockets (quantity and placement can be customized).
- **Intended Use:** Designed for industrial safety, offering protection against molten metal/welding splashes and general fire hazards.





OUTER LAYER

MARLAN PLUS 350 g/m²



MOISTURE BARRIER

100% Meta-Aramid felt + PU membrane - 110 g/m²



THERMAL BARRIER

100% Aramid non-woven, quilted to inner layer - 140 g/m²



INNER LAYER

50% Viscose FR, 50% Meta-Aramid - 120 g/m²

Advantages: Suitable for harsh working environments. Ergonomic design - provides an aesthetic appearance, better fit, and high mobility.

Standards :

- **EN ISO 11612:2015** - Protective clothing standard against heat and flame
- **EN ISO 11611:2015 Class 2** - Protective clothing standard for use in welding and allied processes
- **EN 1149-5:2018** - Antistatic protective clothing standard
- **EN 13034:2005** - Limited protection standard against liquid chemicals

EN ISO 11612:2015 A1 B1 C1 F1	EN ISO 11611:2015 A1 A2 Smlf 2	EN 17353 Tip B2	EN 1149-5:2018	EN 13034

Design / Model Features

- **Overall Build:** Navy blue, professional grade protective coat.
- **Closure System:** Front Flame-Retardant (FR) zipper concealed by a full length protective flap with hidden snap fasteners.
- **Pockets & Cuffs:** Features two chest pockets with flaps and hidden snaps, alongside adjustable elastic cuffs.
- **Visibility:** 5 cm wide, flame-retardant reflective tapes (in yellow-grey-yellow and grey) are stitched securely into the seams across the chest, hem, and sleeves.
- **Stitching:** Sewn entirely with flame-retardant aramid thread.
- **Intended Use:** Specifically designed for industrial safety, professional field operations, and as flame-retardant workwear.



Aluminized



OUTER LAYER

Aluminized Preox foil coated

Advantages: The single-layer protective suit produced from Aluminized Preox fabric provides professional protection against intense radiant heat, limited flame contact, and molten metal splashes. With its 380 g/m² aluminized coated Preox fabric structure, it is suitable for foundries, metalworking, furnace surroundings, and industrial areas with high heat risk. The product is Category III CE marked under the scope of (EU) 2016/425 and has EN ISO 11612:2015 – A1 B1 C3 D3 E3 F1 performance levels.

Standards:

- EN ISO 11612:2015 Protective clothing against heat and flame A1 B1 C3 D3 E3 F1
- EN ISO 15025 Limited flame spread A1
- ISO 9151 Protection against convective heat B1
- EN ISO 6942 Protection against radiant heat C3
- EN ISO 9185 Protection against molten aluminum splash D3
- ISO 9185 Protection against molten iron splash E3
- ISO 12127 Protection against contact heat F1
- (EU) 2016/425 Personal Protective Equipment Regulation Category III / CE

Colors : SILVER

Size : S – 4XL

Design / Model Features

- **Product Type:** Aluminized Preox protective suit against radiant heat and molten metal splashes
- **Set Content:** Jacket + Trousers
- **Layer Structure:** Single-layer protective structure
- **Fabric Content:** Aluminized coating on Preox-based carrier fabric
- **Fabric Weight:** 380 g/m²
- **Protection Type:** Protection against radiant heat, limited flame contact, high temperature, and molten metal splashes
- **Protection Area:** Torso, arms, and legs
- **Usage Area:** Foundries, metalworking, furnace surroundings, and industrial workspaces with high radiant heat exposure

Auxiliary Accessories

Aluminized Preox auxiliary accessories such as hoods, sleeves, neck protectors, aprons, reverse aprons, and gaiters can be offered as complementary protective equipment to the product series according to the usage needs.



Aluminized



OUTER LAYER

Aluminized Preox foil coated

Advantages: The single-layer protective suit produced from Aluminized Preox fabric provides professional protection against intense radiant heat, limited flame contact, and molten metal splashes. With its 380 g/m² aluminized coated Preox fabric structure, it is suitable for foundries, metalworking, furnace surroundings, and industrial areas with high heat risk. The product is Category III CE marked under the scope of (EU) 2016/425 and has EN ISO 11612:2015 – A1 B1 C3 D3 E3 F1 performance levels.

Standards:

- EN ISO 11612:2015 Protective clothing against heat and flame A1 B1 C3 D3 E3 F1
- EN ISO 15025 Limited flame spread A1
- ISO 9151 Protection against convective heat B1
- EN ISO 6942 Protection against radiant heat C3
- EN ISO 9185 Protection against molten aluminum splash D3
- ISO 9185 Protection against molten iron splash E3
- ISO 12127 Protection against contact heat F1
- (EU) 2016/425 Personal Protective Equipment Regulation Category III / CE



Colors : SILVER

Size : S – 4XL

Design / Model Features

- **Product Type:** Aluminized Preox protective suit against radiant heat and molten metal splashes
- **Set Content:** Jacket + Trousers
- **Layer Structure:** Single-layer protective structure
- **Fabric Content:** Aluminized coating on Preox-based carrier fabric
- **Fabric Weight:** 380 g/m²
- **Protection Type:** Protection against radiant heat, limited flame contact, high temperature, and molten metal splashes
- **Protection Area:** Torso, arms, and legs
- **Usage Area:** Foundries, metalworking, furnace surroundings, and industrial workspaces with high radiant heat exposure

Auxiliary Accessories

Aluminized Preox auxiliary accessories such as hoods, sleeves, neck protectors, aprons, reverse aprons, and gaiters can be offered as complementary protective equipment to the product series according to the usage needs.



Welding



OUTER LAYER

FR Cotton Antistatic 350 g/m²



THERMAL BARRIER

100% Aramid non-woven, - 140 g/m²



INNER LAYER

50% Viscose FR, 50% Meta-Aramid - 120 g/m²

Standards :

- **EN ISO 11612:2015** – Protective clothing standard against heat and flame
- **EN ISO 11611:2015** – Protective clothing standard for use in welding and similar processes
- **EN 1149-5:2018** – Antistatic protective clothing standard
- **EN 13034:2005** – Limited protection standard against liquid chemicals
- **IEC 61482-2:2020 Class 2 (7 kA)** – Protective clothing standard against electric arc

Design / Model Features

- The protective coat is designed in a navy blue color with a high collar.
- The front closure features an FR (Flame Retardant) type zipper and a full-length protective front flap that protects the zipper from external factors.
- The high collar structure is designed to provide additional protection in the throat/neck area.
- There are two pockets with flaps and hook and loop fasteners on the chest section.
- The sleeve ends feature an adjustable cuff structure with hook and loop fasteners.
- Horizontal reflective tape is used around the torso at chest level and at the hemline.
- There is a single row of horizontal reflective tape applied around the sleeves.
- The reflective tapes are yellow grey yellow in color, 5 cm wide, and have a flame-retardant structure.
- Flame-retardant aramid thread suitable for the product is used in the seams.
- The protective coat has a professional design suitable for industrial protection and flame retardant workwear use.

Colors : NAVY, RED, ORANGE

Size : S – 4XL



					
EN ISO 11612:2015 A1 B1 C1 F1	IEC 61482-1-2	EN 61482-2:2020 APC2	EN 1149-5:2018	EN 13034	EN ISO 11611:2015 A1 A2 5mF2

Welding



OUTER LAYER

FR Cotton Antistatic 350 g/m²

Advantages: Durable FR cotton-based outer fabric suitable for harsh working environments. Ergonomic design provides an aesthetic appearance, better fit, and high mobility.

Standards :

- **EN ISO 11612:2015** – Protective clothing standard against heat and flame
- **EN ISO 11611:2015** – Protective clothing standard for use in welding and similar processes
- **EN 1149-5:2018** – Antistatic protective clothing standard
- **EN 13034:2005** – Limited protection standard against liquid chemicals
- **IEC 61482-2:2020 Class 1 (4 kA)** – Protective clothing standard against electric arc

Colors : NAVY, RED, ORANGE
Size : S – 4XL

Design / Model Features

- The product is designed as a jacket and trousers set.
- The model shown in the visual is in the form of a jacket trousers suit.
- It is produced from a synthetic aramid fabric combination that provides a thin, soft touch, and comfortable use.
- The front closure features an FR (Flame Retardant) black textile zipper and a protective front flap that protects the zipper from external factors.
- Optionally, an FR type metal-toothed zipper can be used.
- 100% aramid thread is used in the seams.
- A single row of horizontal 5 cm flame-retardant yellow grey yellow reflective tape is applied on the chest, sleeves, and trouser legs.
- The reflective tape placement is designed in accordance with the jacket-trousers model in the visual.
- There are 2 flapped chest pockets on the jacket and 3 pockets on the trousers. The number and placement of the pockets can be changed upon request.
- The sleeve ends feature an adjustable cuff structure with FR hook-and-loop fasteners.
- The high collar design provides additional protection and wearing comfort in the throat/neck area.
- The product is suitable for industrial protection, electrical arc risk, and flame-retardant workwear use.



EN ISO 11612:2015 A1 B1 C1 F1	IEC 61482-1-2	EN 61482-2:2020 APC2	EN 1149-5:2018	EN 13034	EN ISO 11611:2015 A1 A2 Smf2

Welding



OUTER LAYER

FR Cotton Antistatic 350 g/m²

Advantages: Aramid based durable outer fabric suitable for harsh working environments. Ergonomic design provides an aesthetic appearance, better fit, and high mobility.

Standards:

- **EN ISO 11612:2015** – Protective clothing standard against heat and flame
- **EN ISO 11611:2015** – Protective clothing standard for use in welding and allied processes
- **EN 1149-5:2018** – Antistatic protective clothing standard
- **EN 13034:2005** – Limited protection standard against liquid chemicals
- **IEC 61482-1-2:2020 Class 1 (4 kA)** – Protective clothing standard against electric arc

Colors : NAVY, RED, ORANGE

Size : S – 4XL

					
EN ISO 11612:2015 A1 B1 C1 F1	IEC 61482-1-2	EN 61482-2:2020 APC2	EN 1149-5:2018	EN 13034	EN ISO 11611:2015 A1 A2 Smlf 2

Design / Model Features

- The model shown in the form of a jacket trousers suit.
- It is produced from a synthetic aramid fabric combination that provides a thin, soft touch, and comfortable use.
- The front closure features an FR black textile zipper and a protective front flap that protects the zipper from external factors.
- Optionally, an FR type metal-toothed zipper can be used.
- 100% aramid thread is used in the seams.
- A single row of horizontal 5 cm flame-retardant yellow grey yellow reflective tape is applied on the chest, sleeves, and trouser legs.
- The reflective tape placement is designed in accordance with the jacket-trousers model in the visual.
- There are 2 flapped chest pockets on the jacket and 3 pockets on the trousers. The number and placement of the pockets can be changed upon request.
- The sleeve ends feature an adjustable cuff structure with FR hook and loop fasteners.
- The high collar design provides additional protection and wearing comfort in the throat/neck area.
- The product is suitable for industrial protection, electrical arc risk, and flame retardant workwear use.





OUTER LAYER

Modacrylic Viscose Aramid Antistatic – 250 g/m²

Advantages: Aramid based durable outer fabric suitable for harsh working environments. Ergonomic design provides an aesthetic appearance, better fit, and high mobility.

Standards:

- **EN ISO 11612:2015** – Protective clothing standard against heat and flame
- **EN ISO 11611:2015** – Protective clothing standard for use in welding and allied processes
- **EN 1149-5:2018** – Antistatic protective clothing standard
- **EN 13034:2005** – Limited protection standard against liquid chemicals
- **IEC 61482-1-2:2020 Class 1 (4 kA)** – Protective clothing standard against electric arc

Colors : NAVY, RED, ORANGE

Size : S – 4XL

EN ISO 11612:2015 A1 B1 C1 F1	IEC 61482-1-2	EN 61482-2:2020 APC2	EN 1149-5:2018	EN 13034	EN ISO 11611:2015 A1 A2 Smlf 2

Design / Model Features

- The model shown in the form of a jacket trousers suit.
- It is produced from a synthetic aramid fabric combination that provides a thin, soft touch, and comfortable use.
- The front closure features an FR black textile zipper and a protective front flap that protects the zipper from external factors.
- Optionally, an FR type metal-toothed zipper can be used.
- 100% aramid thread is used in the seams.
- A single row of horizontal 5 cm flame-retardant yellow grey yellow reflective tape is applied on the chest, sleeves, and trouser legs.
- The reflective tape placement is designed in accordance with the jacket-trousers model in the visual.
- There are 2 flapped chest pockets on the jacket and 3 pockets on the trousers. The number and placement of the pockets can be changed upon request.
- The sleeve ends feature an adjustable cuff structure with FR hook and loop fasteners.
- The high collar design provides additional protection and wearing comfort in the throat/neck area.
- The product is suitable for industrial protection, electrical arc risk, and flame retardant workwear use.





OUTER LAYER

Modacrylic Viscose Aramid Antistatic – 250 g/m²

Advantages: Durable FR cotton-based outer fabric suitable for harsh working environments. Ergonomic design provides an aesthetic appearance, better fit, and high mobility.

Standards :

- **EN ISO 11612:2015** – Protective clothing standard against heat and flame
- **EN ISO 11611:2015** – Protective clothing standard for use in welding and similar processes
- **EN 1149-5:2018** – Antistatic protective clothing standard
- **EN 13034:2005** – Limited protection standard against liquid chemicals
- **IEC 61482-2:2020 Class 1 (4 kA)** – Protective clothing standard against electric arc

Colors : NAVY, RED, ORANGE

Size : S – 4XL

Design / Model Features

- The product is designed as a jacket and trousers set.
- The model shown in the visual is in the form of a jacket trousers suit.
- It is produced from a synthetic aramid fabric combination that provides a thin, soft touch, and comfortable use.
- The front closure features an FR (Flame Retardant) black textile zipper and a protective front flap that protects the zipper from external factors.
- Optionally, an FR type metal-toothed zipper can be used.
- 100% aramid thread is used in the seams.
- A single row of horizontal 5 cm flame-retardant yellow grey yellow reflective tape is applied on the chest, sleeves, and trouser legs.
- The reflective tape placement is designed in accordance with the jacket-trousers model in the visual.
- There are 2 flapped chest pockets on the jacket and 3 pockets on the trousers. The number and placement of the pockets can be changed upon request.
- The sleeve ends feature an adjustable cuff structure with FR hook-and-loop fasteners.
- The high collar design provides additional protection and wearing comfort in the throat/neck area.
- The product is suitable for industrial protection, electrical arc risk, and flame-retardant workwear use.



EN ISO 11612:2015 A1 B1 C1 F1	IEC 61482-1-2	EN 61482-2:2020 APC2	EN 1149-5:2018	EN 13034	EN ISO 11611:2015 A1 A2 Smf2



OUTER LAYER

Modacrylic Viscose Aramid Antistatic – 250 g/m²

Advantages: Durable FR cotton-based outer fabric suitable for harsh working environments. Ergonomic design provides an aesthetic appearance, better fit, and high mobility.

Standards :

- **EN ISO 11612:2015** – Protective clothing standard against heat and flame
- **EN ISO 11611:2015** – Protective clothing standard for use in welding and similar processes
- **EN 1149-5:2018** – Antistatic protective clothing standard
- **EN 13034:2005** – Limited protection standard against liquid chemicals
- **IEC 61482-2:2020 Class 1 (4 kA)** – Protective clothing standard against electric arc

Colors : NAVY, RED, ORANGE
Size : S – 4XL

Design / Model Features

- The product is designed as a jacket and trousers set.
- The model shown in the visual is in the form of a jacket trousers suit.
- It is produced from a synthetic aramid fabric combination that provides a thin, soft touch, and comfortable use.
- The front closure features an FR (Flame Retardant) black textile zipper and a protective front flap that protects the zipper from external factors.
- Optionally, an FR type metal-toothed zipper can be used.
- 100% aramid thread is used in the seams.
- A single row of horizontal 5 cm flame-retardant yellow grey yellow reflective tape is applied on the chest, sleeves, and trouser legs.
- The reflective tape placement is designed in accordance with the jacket-trousers model in the visual.
- There are 2 flapped chest pockets on the jacket and 3 pockets on the trousers. The number and placement of the pockets can be changed upon request.
- The sleeve ends feature an adjustable cuff structure with FR hook-and-loop fasteners.
- The high collar design provides additional protection and wearing comfort in the throat/neck area.
- The product is suitable for industrial protection, electrical arc risk, and flame-retardant workwear use.



					
EN ISO 11612:2015 A1 B1 C1 F1	IEC 61482-1-2	EN 61482-2:2020 APC2	EN 1149-5:2018	EN 13034	EN ISO 11611:2015 A1 A2 Smf2



OUTER LAYER

Modacrylic Viscose Aramid Antistatic – 250 g/m²



MOISTURE BARRIER

100% Meta-Aramid felt + PU membrane - 110 g/m²



THERMAL BARRIER

100% Aramid non-woven, quilted to inner layer – 140 g/m²



INNER LAYER

50% Viscose FR, 50% Meta-Aramid - 120 g/m²

Advantages: Modacrylic Viscose Aramid Antistatic outer fabric - suitable for harsh working environments. Ergonomic design - provides an aesthetic appearance, better fit, and high mobility.

Standards :

- **EN ISO 11612:2015** - Protective clothing standard against heat and flame
- **EN ISO 11611:2015 Class 2** - Protective clothing standard for use in welding and allied processes
- **EN 1149-5:2018** - Antistatic protective clothing standard
- **EN 13034:2005** - Limited protection standard against liquid chemicals

EN ISO 11612:2015 A1 B1 C1 F1	IEC 61482-1-2	EN 61482-2:2020 APC2	EN 1149-5:2018	EN 13034	EN ISO 11611:2015 A1 A2 S1mif 2

Design / Model Features

- **Overall Build:** Navy blue, professional grade protective coat.
- **Closure System:** Front Flame-Retardant (FR) zipper concealed by a full length protective flap with hidden snap fasteners.
- **Pockets & Cuffs:** Features two chest pockets with flaps and hidden snaps, alongside adjustable elastic cuffs.
- **Visibility:** 5 cm wide, flame-retardant reflective tapes (in yellow-grey-yellow and grey) are stitched securely into the seams across the chest, hem, and sleeves.
- **Stitching:** Sewn entirely with flame-retardant aramid thread.
- **Intended Use:** Specifically designed for industrial safety, professional field operations, and as flame-retardant workwear.





OUTER LAYER

93% Meta-Aramid, 5% Para-Aramid, 2% Antistatic – 210 g/m²

Advantages: Aramid-based durable fabric - suitable for harsh military and operational environments. Ergonomic design - provides high mobility and comfort.

Standards :

- EN ISO 11612:2015 – Protective clothing against heat and flame
- EN ISO 14116 – Limited flame spread
- EN ISO 13688 – General protective clothing requirements
- EN 1149-5:2018 – Antistatic protective clothing
- IEC 61482-1-2:2020 Class 1 – Protection against electric arc

Colors : MILITARY GREEN

Size : S – 4XL

EN ISO 11612:2015 A1 B1 C1 F1	IEC 61482-1-2	EN 61482-2:2020 APC2	EN 1149-5:2018	EN 13034

Design / Model Features

- One-piece tanker coverall
- High collar and front zipper closure
- FR (Flame Retardant) protected zipper system
- Stitching with 100% aramid thread
- Chest, sleeve, and leg pockets
- Epaulette and patch areas
- Elastic structure at the waist
- Rear access zipper
- Reinforced knee and seat areas
- Adjustable cuffs

Performance

- Flame retardant
- High heat resistance
- Antistatic protection
- High strength
- Ergonomic use

Usage Areas

- Tank personnel
- Armored vehicle crews
- Military operations
- Defense





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