Tomax

FOCUS ON QUALITY AT EVERY STEP

天邦

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2025-2026 TOMAX PRODUCT CATALOG

Tomax 天邦

FOCUS ON QUALITY AT EVERY STEP

2025/2026

TECHNICAL WORKWEAR

TOMAX Safety You Can Trust

Welcome to TOMAX---

One - stop B2B premium workwear manufacturer

Why Choose TOMAX?

- **Module D and UL Certified Factory**

Rigorous quality control ensures compliance with PPE regulations and international standards.

- **Innovative & Differentiated Solutions**

We engineer advanced safety wear that combines multiple protections in one garment – all precision-designed for your specific workplace challenges.

- **JIT Production & Reliable Delivery**

Our efficient production line guarantees on-time delivery, keeping your supply chain seamless.

Visit Us & See the Difference!

We warmly invite you to visit our factory and discuss how TOMAX can meet your needs.

Getting to TOMAX:

From Beijing/Shanghai/Guangzhou →

Fly to Zhengzhou airport (1.5-2.5 hours). We'll meet you at the airport and then take 1 hour to TOMAX by car.

By High-Speed Rail:

Beijing to Xinxiang East Station: ~2.5 hours

Shanghai to Xinxiang East Station: ~5.5 hours

Guangzhou to Xinxiang East Station: ~7 hours

Let’s build a safer future together!

Contact us to schedule your visit.

Company Overview

• Advanced JIT Production Lines
Fully automated workflows designed for maximum efficiency and precision. Continuous improvements to optimize comprehensive production capabilities.

• Advanced Machinery
Advanced automatic machines ensuring stable quality and efficiency

• Quality Control Management
Enables quick problem detection and correction at every production stage.

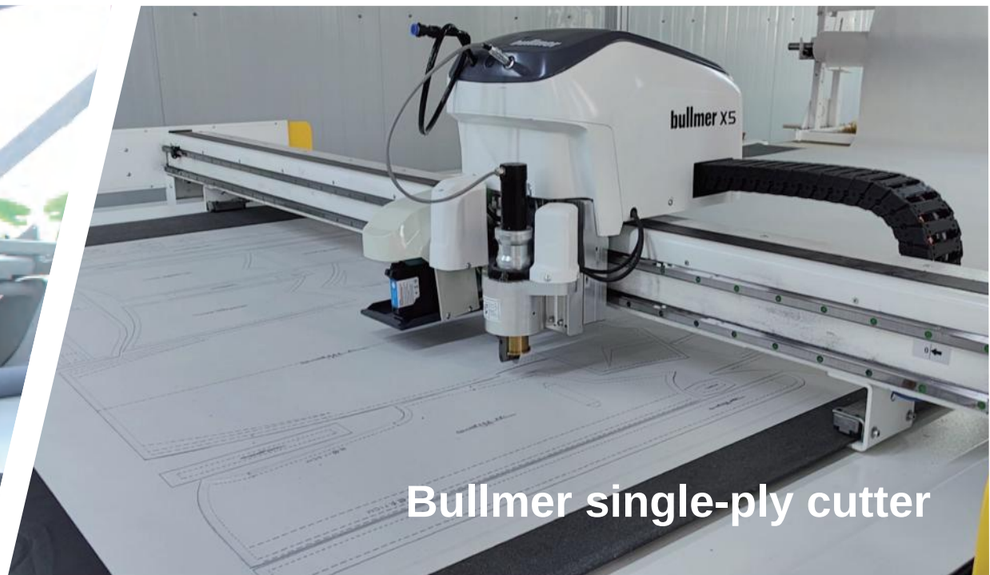
Show room

Exhibition


Workshop


Automatic pocket setter

Automatic spreader



Bullmer single-ply cutter

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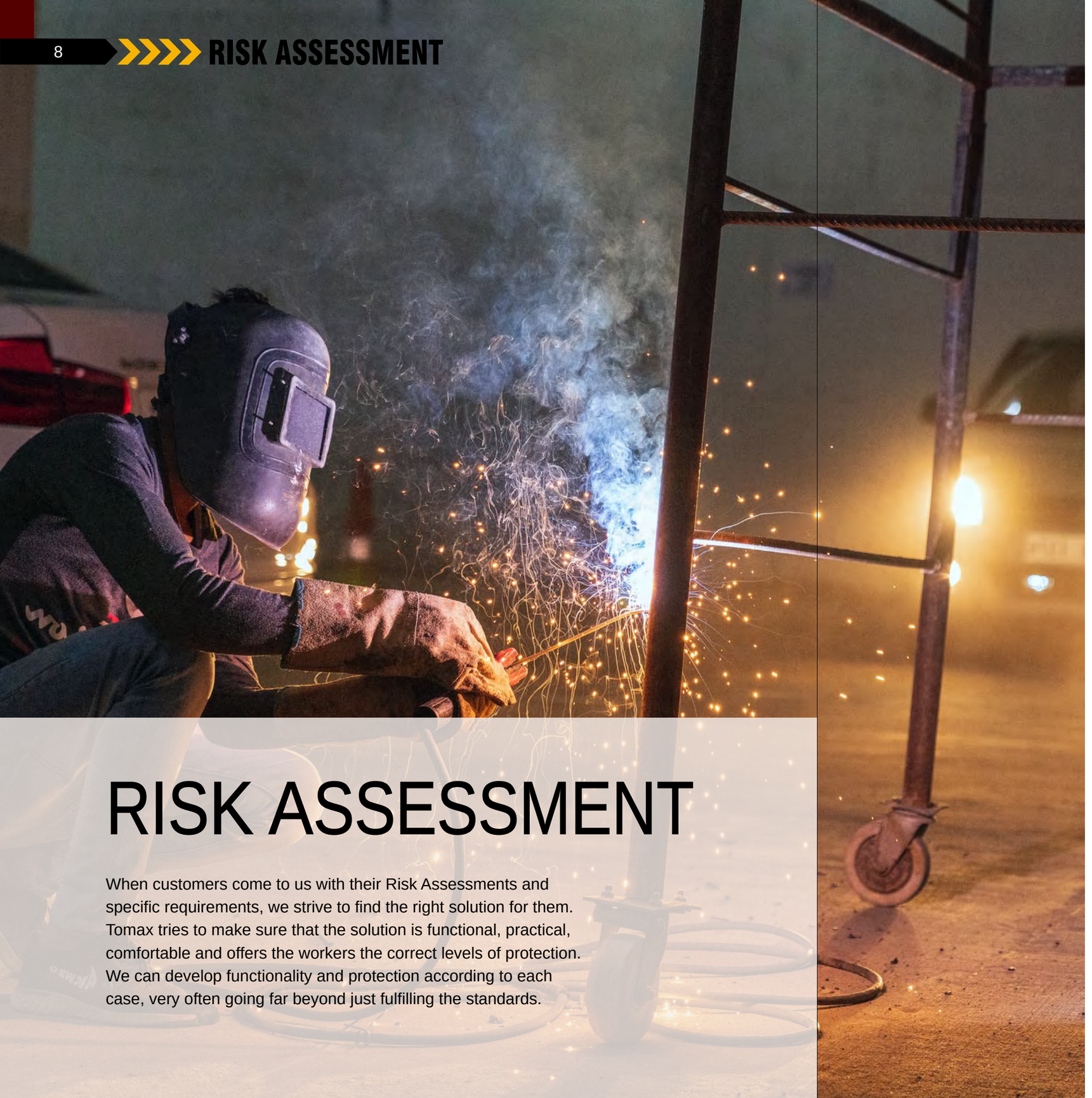


RISK ASSESSMENT

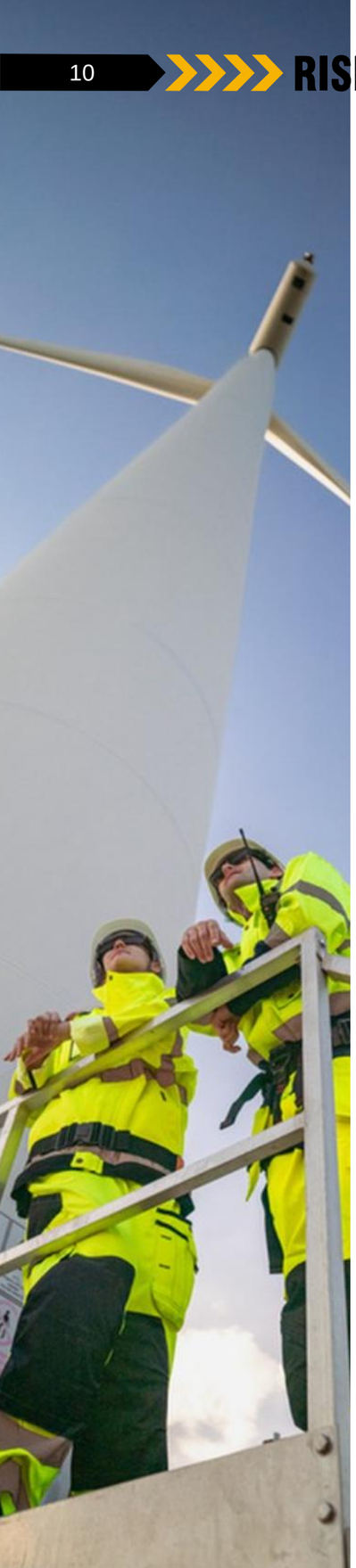
When customers come to us with their Risk Assessments and specific requirements, we strive to find the right solution for them. Tomax tries to make sure that the solution is functional, practical, comfortable and offers the workers the correct levels of protection. We can develop functionality and protection according to each case, very often going far beyond just fulfilling the standards.

- ELECTRICITY & POWER
- SMELTERS & FOUNDRIES
- WELDING
- RAILWAYS
- CHEMICALS & PETROCHEMICALS

Each company is responsible for making their own Risk Assessment and providing their workers with the correct protection for workplace related hazards.

In order to establish a clear connection between working environments with varying levels of risk and our large range of Flame Retardant clothing, we have divided the collections into five different segments with an associated symbol. The new symbols, each representing an industry sector, will help you easily find the right protective clothing.

The following five segments show the industry sector and the associated risk analysis. The same segment also shows the ranges Tomax recommends for each particular industry sector.



ELECTRICITY & POWER

Electric Arc and Flame Retardant protective clothing, for those who work in the electricity and distribution industry, or on electrical installations that have a higher power level than domestic systems.

RISK ASSESSMENT

ELECTRICITY & POWER

- Electric Arc
  - Molten metal splashes
  - Convective heat
  - Shock waves
  - Optical radiation
- Flame & Heat
- Welding sparks (limited)
- Radiant heat
- Electric shock
- High noise levels
- Toxic gas

Workers in the Electricity and Power industry are at risk of exposure to Electric Arc flashes that can occur if there is a short circuit, switching fault, operator error or equipment failure. Electric Arc can expose workers to very high energy levels and often lead to severe burns and hand and eye injuries. Wearing incorrect workwear can make injuries worse, so it is important to choose the right protective clothing that provides arc protection in every layer. All of Tomax's Electric Arc garments have the Arc Rating value stated on the outside FR label to make it easy for you to choose the right protection.

RISK EVALUATION

When working as an electrician you need garments certified according to EN 61482-2 / IEC 61482-2 in combination with EN ISO 11612 as there may be a risk of an Electric Arc. Electricians working outdoors may also need High Visibility garments certified to EN ISO 20471.
An Electric Arc accident comprises of many varied risks that will affect the PPE clothing in different ways, but with the right solution we can help to minimise the impact of these risks.

SMELTERS & FOUNDRIES

Flame Retardant clothing that offers the highest level of protection against splashes of molten metal and radiant heat. The ranges are the ideal solutions for those working in smelting plants, foundries or with molten minerals such as stone or glass.

RISK ASSESSMENT

SMELTERS & FOUNDRIES

The working environment in smelting plants and foundries often involves high temperatures, intense radiant heat and the risk of splashing molten metal splashes. To meet these risks, several layers of PPE clothing are usually needed. To avoid injuries, Flame Retardant clothing that meets EN ISO 11612 is required, and depending on the type of metal used, protective clothing must also be certified with the correct code letter.

- Splashes of molten metal
- Flame & Heat
- Heat stress
- Electric Arc (limited)
- Traffic accidents (limited)

RISK EVALUATION
Molten metal sticking to a garment can cause burns. To minimise this risk, the EN ISO 11612 D and E defines some design requirements, such as closed pockets and hidden metal parts due to the fact that metal will conduct heat. Heat stress is also a risk in these environments.

Iron and steel
When working with molten iron or steel, you need garments certified according to EN ISO 11612 E1-E3 - where E3 is the highest level. If the fabric resists molten iron and this doesn't stick to the surface, it will normally also be acceptable for use against molten copper, molten phosphor bronze and molten brass.
Aluminium
For smelters and re-smelters working with molten aluminium, you need garments according to EN ISO 11612 D1-D3 - where D3 is the highest level. If the fabric resists molten aluminium and this doesn't stick to the surface it normally means it will be acceptable for use against molten aluminium and other molten metals.
Zinc
Zinc challenges PPE clothing in a very special way as it sticks to most fabrics.
Other metals
Other metals and alloys have different melting temperatures, viscosity and production processes that will challenge the PPE / clothing in different ways.

WELDING

Flame Retardant welding garments that offer the highest level of protection against welding spatter and sparks from grinding or cutting metal. Our protective clothing is ideal if your work involves welding, grinding, hot working, finishing metal castings or maintenance.

Remember to choose welding garments that provide the right level of protection - EN ISO 11611 class 1 for light welding work or class 2 for heavy duty welding. The protection you need may also depend on the welding methods used, welding frequency or type of grinding work.

RISK ASSESSMENT

WELDING

A welder who is constantly exposed to weld spatter needs durable protective clothing that does not trap weld spatter, either in the fabric itself, or in pockets.

- Welding sparks
- Flame & Heat
- UV radiation
- Heat stress

RISK EVALUATION

When working with heavy welding you need garments certified according to EN ISO 11611 class 2, which is the highest level of protection in combination with EN ISO 11612. The design is very restricted in the EN standard to ensure that welding sparks do not stick to the garment or go inside an open pocket. The UV and heat radiation will challenge the PPE clothing and cause heat stress for the wearer.

Type of welders' clothing due to criteria relating to the process	
Class 1	Manual welding techniques with light formation of spatters and drops; Gas welding, TIG welding, MIG welding, Micro plasma welding, Brazing, Spot welding, MMA welding (with rutile-covered electrode).
Class 2	Manual welding techniques with heavy formation of splatters and drops; MMA welding (with basic or cellulose-covered electrode), MAG welding (with CO_2 or mixed gas), MIG welding (with high current), Self-shielded flux cored arc welding, Plasma cutting, Gouging, Oxygen cutting, Thermal spraying.
Type of welders' clothing due to criteria relating to the environmental conditions	
Class 1	Operation of machines; Oxygen cutting machines, Plasma cutting machines, Resistance welding machines, Resistance for thermal spraying, Bench welding.
Class 2	Operation of machines; In confined spaces, at overhead welding/cutting or in comparable constrained positions.

RAILWAYS

Flame Retardant workwear that provides protection from Electric Arc incidents and sparks from working with metal. Our protective clothing is ideal if you work near rail tracks, on the rails themselves or in other rail associated areas where there is a flame, heat or Electric Arc risk.

Contact us if you have any questions or need assistance with choosing the right protective clothing for your work. We will help you find the right solution.

RISK ASSESSMENT

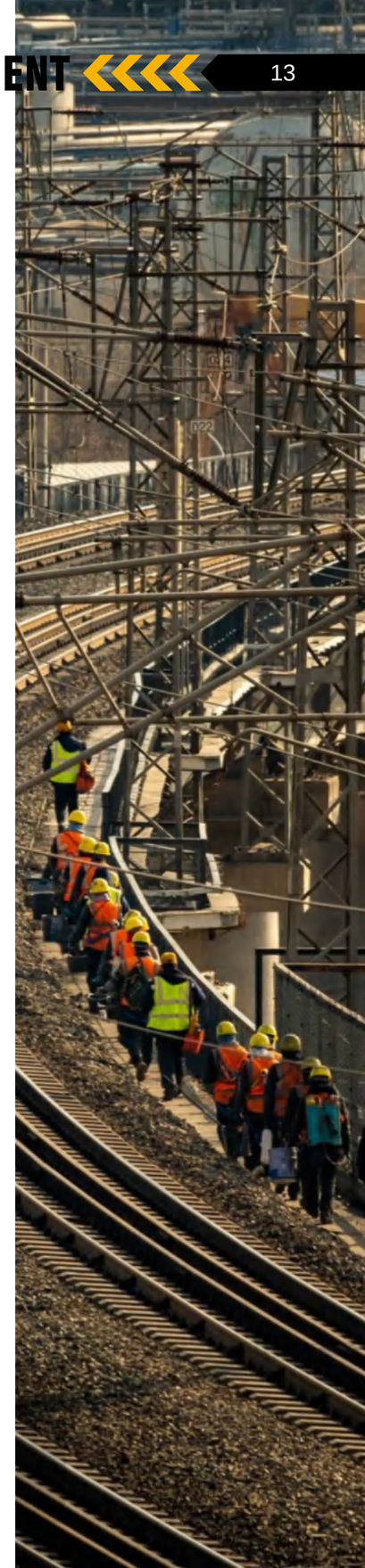
Working on railways and in other rail-bound traffic is covered by strict safety regulations due to the hazardous working environment. Whether you are a rail technician, electrical installer, signal engineer or track welder, you must use the right personal protective equipment to suit the relevant risk analysis and safety instructions.

To achieve a high level of safety in the workplace, it is important to wear Flame Retardant and Arc certified protective clothing that provides high visibility in compliance with EN ISO 11612, EN 61482-2 and EN ISO 20471 (plus RIS-3279-TOM in the UK).

- Traffic accidents with trains
- Electric Arc
  - Molten Metal splashes
  - Electric shock
  - Optical radiation
  - Radiant heat
  - Shock waves
  - Toxic gas
  - Convective heat
  - High noise
- Flame & Heat
- Welding sparks (limited)
- Sparks from grinding and cutting (limited)

RISK EVALUATION

When working in the railway industry you need garments certified according to EN ISO 20471 / RIS-3279-TOM (GO/RT) to be visible. In addition, FR protection garments should be certified to EN ISO 11612 together with EN 61482-2 / IEC 61482-2 if there is a risk of an Electric Arc. An Electric Arc accident comprises many varied risks and will affect the PPE clothing in different ways, but with the right solution of clothing the impact of these risks will be minimised.



CHEMICAL & PETROCHEMICAL

Flame Retardant and Anti-Static workwear that provides protection from chemical splashes that can occur when working in explosive environments. Our chemical clothing is also ideal if you work with particular chemicals in environments where there is a risk of dust or gas explosion.

Remember that it is important to choose the right collection based on the chemicals you work with. Our protective clothing is certified against splashes of chemicals in accordance with EN 13034 type PB (6) and static electricity in accordance with EN 1149-5.

RISK ASSESSMENT

CHEMICAL & PETROCHEMICAL

Work that involves chemicals/petrochemicals often requires protective clothing that is certified to EN 13034, EN 1149-5 and EN ISO 11612. It is also important to identify which chemicals the company uses, so that protective clothing can be chosen that is appropriate for the specific chemicals or group of chemicals that are in use.

- Splashes of chemicals
- Heat & Flame
- Electric Arc (Industrial Electricians)
- Risk of explosion / ATEX-environment
- Traffic accidents (limited)

RISK EVALUATION
When working within the petrochemical industry, Tomax recommends garments certified according to EN 13034, EN 1149-5 and EN ISO 11612. The Anti-Static properties of a garment minimise the risk of creating sparks (a source of ignition), which could cause an explosion. In case of a risk of an Electric Arc, you also need garments certified according to EN 61482-2/IEC 61482-2. High Visibility (EN ISO 20471) may be required, if there is a risk from moving vehicles or where visibility of employees is important.

ATEX - EXPLOSIVE INDUSTRY

RISK ASSESSMENT

In situations where there is a risk that protective garments could generate sparks (an ignition source) that could ignite explosive material, Flame Retardant workwear that has anti-static properties is required. A combination of anti-static materials and correct garment design can eliminate the risk of sparks. Protective clothing with anti-static properties is extremely important when working with petrochemicals, gas and in other areas where there is a high risk of explosion.

- Risk of explosion
- Flame & Heat

RISK EVALUATION
When working in ATEX environments, Tomax recommends garments certified according to standard EN 1149-5 in combination with EN ISO 11612. The Anti-Static properties of a garment minimise the risk of creating sparks (a source of ignition) which could cause an explosion. This is of significant importance when working in explosive areas e.g. petrochemicals, gas and other explosive industries.

Atex zone classifications for gas, mist and vapours	
Zone 0	Environment where a mixture of air and flammable gas, mist or vapour occurs often and persists for long periods of time.
Zone 1	Environment where a mixture of air and flammable gas, mist or vapour is likely to occur under normal conditions.
Zone 2	Environment where a mixture of air and flammable gas, mist or vapour can occur under normal conditions but dilutes quickly.

Atex zone classifications for dust	
Zone 20	Environment where explosive clouds of dust appear often and for extended periods.
Zone 21	Environment where explosive clouds of dust can appear under normal conditions.
Zone 22	Environment where explosive clouds of dust are not likely to appear and if they do, disappears quickly.

TRAFFIC

RISK ASSESSMENT

It is very important to be seen when you work in situations where there is vehicle traffic and a garment that is certified to EN ISO 20471 is recommended. The fluorescent fabric ensures that you are seen during the day, whilst reflective stripes ensure you are visible in poor light or when it is dark.

- Traffic Accidents
- Need for day and night visibility

RISK EVALUATION
If you are working near moving vehicles or mobile machinery (e.g. forklifts) and you have a potential risk of impact from vehicles or machinery, then you need to wear appropriate High Visibility clothing.
The demands in the standard sets the rules for which design, functionality and fabric qualities should be used in a High Visibility collection. Yellow and Orange High Visibility colours offer the user greater flexibility and make it possible for users to have designated HV colours in the workplace – for example, to differentiate between workers in different locations or areas.
To achieve High Visibility certification, the garment needs a certain area of fluorescent fabric and reflective tape. The higher the area, the higher the high visibility class the garment will achieve, with Class 3 being the highest.

PPE regulation and standards

Personal Protective Equipment, commonly referred to as "PPE", is equipment worn to minimize exposure to hazards that cause serious workplace injuries and illnesses.
These injuries and illnesses may result from contact with chemical, radiological, physical, electrical, mechanical, or other workplace hazards.
Personal protective equipment may include items such as gloves, safety glasses and shoes, earplugs or muffs, hard hats, respirators, or coveralls, vests and full body suits.

Category	Risks	Assessment modules according to PPE Regulation (EU) 2016/425
CAT I	Category I includes exclusively the following minimal risks: (a) superficial mechanical injury; (b) contact with cleaning materials of weak action or prolonged contact with water; (c) contact with hot surfaces not exceeding 50 °C; (d) damage to the eyes due to exposure to sunlight (other than during observation of the sun); (e) atmospheric conditions that are not of an extreme nature	Module A - Internal Production Control
CAT II	Category II includes risks other than those listed in Categories I and III;	Module B - EU type-examination Plus: Module C: - Conformity to type based on internal production control
CAT III	Category III includes exclusively the risks that may cause very serious consequences such as death or irreversible damage to health relating to the following: (a) substances and mixtures which are hazardous to health; (b) atmospheres with oxygen deficiency; (c) harmful biological agents; (d) ionising radiation; (e) high-temperature environments the effects of which are comparable to those of an air temperature of at least 100 °C; (f) low-temperature environments the effects of which are comparable to those of an air temperature of – 50 °C or less; (g) falling from a height; (h) electric shock and live working; (i) drowning; (j) cuts by hand-held chainsaws; (k) high-pressure jets; (l) bullet wounds or knife stabs; (m) harmful noise.	Module B - EU type-examination Plus either: Module C2 - Annual selection and testing or Module D - Annual audit of quality system

EN ISO 13688:2013 - Protective Clothing - General Requirements

Marking and Information:

- EN ISO 13688 defines requirements for marking, labeling, and providing information on the protective clothing, ensuring clarity and understanding for end-users.
- Clear and comprehensive information assists users in making informed decisions regarding the selection and use of protective clothing.

Materials and Design:

- The standard outlines specifications for materials used in protective clothing, addressing aspects such as chemical permeation resistance, seam strength, and tear resistance.
- Design requirements focus on the garment's construction, ensuring it provides the intended protection without compromising comfort.

Sizing and Ergonomics:

- Guidelines for sizing help in the selection of appropriate protective clothing for different body types, considering the diversity of users.
- Ergonomic considerations aim to enhance the usability and wearability of the clothing, promoting safety and comfort.

EN ISO 20471
High-Visibility Clothing

- Hi-vis workwear is a crucial requirement in industries where a significant proportion of the work occurs near traffic, cranes or other motorised vehicles.
- It is also essential for staff undertaking nighttime operations or working in other poor light conditions.
- The main role of hi-vis clothing is to make the wearer stand out from the background so they are clearly visible from all angles.
- This reduces the risk of accidents occurring in potentially dangerous situations.

	Class 1	Class 2	Class 3
Reflective Tape	0.10 sqm	0.13 sqm	0.20 sqm
Fluourescent Material	0.14 sqm	0.50 sqm	0.80 sqm

EN 17353: 2020 Released for Protective Clothing – Enhanced Visibility Equipment for Medium Risk Situations

TypeA

- Equipment for daylight

Type A equipment worn by users where the risk of not being seen only exists in daylight conditions. This equipment only uses fluorescent material as an enhanced visibility component.

Type B1 or
Type B2 or B3

- Equipment for dark conditions.

Type B equipment is worn by users where the risk of not being seen exists only in dark conditions. This equipment only uses retroreflective material as an enhanced visibility component.

Type AB2 or AB3

- Equipment for daylight and dark conditions.

Type AB equipment is worn by users where the risk of not being seen is present in daylight, twilight, dark conditions.
This equipment uses fluorescent as well as retroreflective material and/or combined performance materials as enhanced visibility components.

ISO 11611:2015
Protective clothing for use in welding and allied processes

This standard specifies PPE Clothing used in welding work or allied processes where you have the risk of spatter (small splashes of molten metal), short contact with flame, radiant heat from the arc, and risk of electric shock by short-term, accidental contact with live electrical conductors (at voltages up to approximately 100 V DC in normal conditions of welding).

Class	Description	Number of tested drops	Radiant heat, $RHTI_{24}$(Reaction time,seconds)	Electrical resistance Ω
1	Protection against less hazardous welding techniques and situations, causing lower levels of spatter and radiant heat.	15	≥7	$\geq 10^5$
2	Protection against more hazardous welding techniques and situations, causing higher levels of spatter and radiant heat.	25	≥16	$\geq 10^5$

RIS-3279-TOM ISSUE 2
Railway Group High-Visibility Standard for UK

This UK High Visibility standard is based on the European standard EN ISO 20471.
It requires that the area of fluorescent and reflective materials of the garments reaches at least EN ISO 20471 class 2.
RIS-3297-TOM only approves specific Orange High Visibility materials.

ISO 11612:2015
Protective clothing - Clothing to protect against heat and flame - Minimum performance requirements

This standard specifies PPE Clothing when working where there is a risk that the garments will come into contact with heat and flame.
For full body protection, the protective clothing system shall cover neck, torso, arms and legs with a single garment (a boilersuit/coverall) or a two-piece garment system (combination of jacket and trousers certified with the same level).

The standard is into different categories, where the code letters show which heat and flame requirements the garment needs to fulfill.

- At least two categories must be tested to be able to CE mark the garments.
- Code letter A1 or A1+A2 plus at least one other code letter (B, C, D, E or F) is mandatory and the result is included on the CE label, together with this symbol.
- The code letters are classified in different levels where the highest number is the highest tested level. The design of the garment is also a parameter in the CE marking for heat and flame garments.
- FR garments certified according to EN ISO 11612 B3, C2-C4, D2-D3, E2-E3 and F3 come under PPE Regulation Category III.

Code letter	Description
A1,A2	Requirements for limited flame spread; A1: Surface ignition. A2: Edge ignition.
B(1-3)	Protection against convective heat and open flames
C(1-4)	Protection against radiant heat
D(1-3)	Protection against molten aluminium splash
E(1-3)	Protection against molten iron splash
F(1-3)	Protection against contact heat

EN 1149-5
Protective Clothing - Electrostatic Properties - Part 5: Material Performance and Design Requirements.

This standard specifies PPE Clothing used in explosive environments (i.e. ATEX) where there is a risk that the garments could create sparks (source of ignition), which in turn could ignite explosive materials.

To certify garments to this standard, the Anti-Static properties of the fabric are tested according to EN 1149-1 (surface resistivity) or EN 1149-3 (charge decay).
The design of the garment is also a parameter in the certification and CE marking of Anti-Static/ATEX garments.

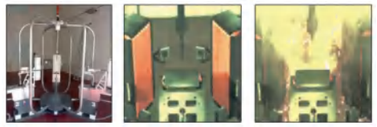
Such fabrics direct electrostatic charges thanks to their linear or grid-shaped conductive fibers.
The distance between conductive fibres in one direction should not be more than 10 mm anywhere.
The outer antistatic layer should permanently cover all other non-antistatic layers.
The antistatic coating must be guaranteed in any case.
Conductive accessories such as zippers and buttons are also permitted, provided they are covered with an outer antistatic layer. In addition, labels or retroreflective strips must be permanently attached.

EN 61482-2:2020 / IEC 61482-2:2018
Protective clothing against the thermal hazard of an Electric Arc

IEC 61482-2
IEC Standard covering Protective Clothing against
Thermal Arc Hazards of an electric arc.
This standard also covers various aspects of the garment design.

IEC 61482-2 includes two methods for testing Protective Clothing and Materials.
Garments can be certified according to both test methods or one of them.

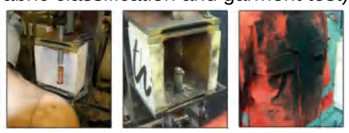
EN 61482-1-1
Open Arc Test Method
(ATPV test and garment test)



Test cradle for Open Arc Test

Thermal Resistance:
Determines the Arc Rating (ATPV or EBT50)
of flame resistant material or clothing.
The Arc Rating is expressed in cal/cm²
(or small calories of heat energy
per square centimetre).

EN 61482-1-2
Box Test Method
(Fabric classification and garment test)



Box ready for testing | Box after test | Object of test afterwards

Arc Protection Classes:
Determines the Arc Protection Class Rating
of the material or clothing by
using a constrained and directed arc.
Class 1 - Protection against electric arc 4kA (168 kJ)
Class 2 -Protection against electric arc 7kA (320 kJ)

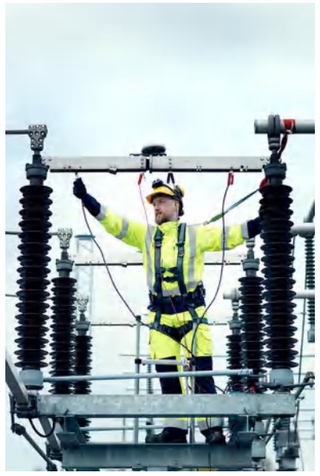
This standard specifies PPE Clothing when there is a risk of an Electric Arc– for instance when working with electricity on open equipment or maintenance / switching work. Electric Arc garments come under PPE Regulation Category III.Fabric properties and garment design are important parameters in the certification process of Electric Arc garments.

- Among the various risks offered by electrical energy, the electric arc stands out as one of the most dangerous for operators and those involved in electrical maintenance. Because of to the large amount of energy released and the high temperatures generated by this phenomenon, workers can suffer serious burns or even risk of death. Also, its effects are even broader, as toxic metal fumes, projection of molten metal, intense light and a pressure wave are generated.

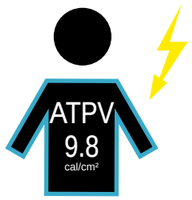
- In addition, the emitted light and the frequency spectrum of the electric arc include ultraviolet ray radiation,which can cause damage to the ocular retina of a human being.

Arc hazards are present in work environments that involve handling high currents, high voltages, and arcs. Here are some workplaces where there is a risk of arc hazards:

- Arc Welding and Cutting: Arc welding and cutting are common applications of arcs. In these environments, high currents and temperatures are used to melt metal, necessitating the use of protective gear such as face shields, gloves, clothing, and other personal protective equipment.
- Power Systems and Electrical Work: There is a risk of arc incidents when working with power systems and electrical equipment. This can occur if personnel fail to follow proper safety procedures, including electricians, electrical engineers, and maintenance staff.
- High Voltage Equipment Maintenance: Maintenance of highi voltage equipment, such as transformers, capacitors, and switchgear, poses a potential risk of arc hazards. These devices often involve high voltages and currents, and a fault can lead to an arc incident.
- Manufacturing of Power Distribution Equipment: Manufacturing processes involving power distribution equipment may also expose workers to high currents and voltages, requiring appropriate safety measures to prevent arc hazards.
- Chemical Plants and Refineries: Industrial environments with flammable gases or vapors can pose additional risks. The combination of these substances with an arc can lead to fires or explosions, necessitating measures to prevent ignition.
- Industrial Machinery Maintenance: Maintenance activities involving large industrial machinery may involve electrical components and high currents, presenting a potential risk of arc hazards.

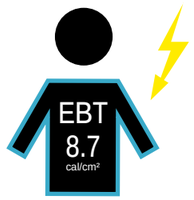


ELIM - The maximum incident energy the garment can withstand before the wearer would have a **0% probability of a second degree burn.**



The energy level where the heat from the Electric Arc is so high that it may cause a burn through the fabric.

ATPV - The maximum incident energy the garment can withstand before the wearer would have **50% probability of a second degree burn.**



The energy level where the fabric breaks open and may cause a burn.

EBT - The incident energy at which a **50% probability of a breakopen occurs resulting in a second degree burn.**

- ELIM, the maximum incident energy that protective clothing can prevent against in a hazardous situation with 0% probability of enough energy getting through the garment to cause a second-degree burn. ELIM has been introduced because the opinion of EU was that IEC 61482-1-1 could be in conflict with EU safety directives. According to the directives, no standard should have any chance of imposing harm to a worker. ATPV / EBT imposes 50% probability that a worker will sustain second degree burn in electric arc exposure. This means that the worker will have burns every time there is an accidental exposure to electric arc. It is this 50% chance that ELIM eliminates. Therefore, this value indicates the safest level of protection for the worker.
- ATPV, EBT and ELIM can be evaluated in a single test through an open arc test as per IEC 61482-1-1. It is also important to note that products will generally have a lower ELIM rating compared with ATPV. Which means to achieve a specific ELIM rating protection as compared to the ATPV rating the wearer may be required to wear an Arc Flash base layer underneath their outer clothing to increase the layers of Arc Flash protection, or wear a heavier garment. It is therefore critical to understand the difference between ELIM, ATPV & EBT50 so that the risk assessment team can specify the right protection for their workers.

EN 13034 Type PB [6]
Protective clothing against liquid chemicals

This standard specifies PPE Clothing used where there is a risk of a potential exposure to a light spray, liquid aerosols or low pressure, low volume splashes when complete liquid permeation barrier (at a molecular level) is not required.

Under the EN13034 standard,the fabric is tested for protection against four liquid chemicals. These four chemicals represent common chemicals often found and used in the industrial workplace.

Chemical group	Chemical
Acid	H_2S04 30% (Sulphuric acid)
Alcaline	NaOH 10% (Sodium hydroxide also called lye and caustic soda)
Aromatic Hydrocarbon	O-xylene
Alcohol	Butanol

The result is given in scale 1-3 where the maximum value is 3.
To pass the test and be able to use the EN 13034 symbol in the CE-marking, at least one cheemical shall obtain level 3 for liquid repellency and at least one chemical shall obtain level 2 for resistance to penetration.
The design of the garment is also a parameter in the CE marking for chemical protection garments.

Class	Liquid Repellancy
1	＞80%
2	＞90%
3	＞95%
Class	Resistance to Penetration
1	＜10%
2	＜5%
3	＜1%

EN 342: Protective Clothing - Ensembles and Garments for Protection Against Cold

- It requires tests of resultant effective thermal insulation (value in m²K/W), air permeability (shown as class 1-3) and resistance to water penetration (shown as class 1-2).
- The garment ensemble (i.e. two piece combination or boiler suit) must achieve results on thermal insulation and air permeability to be CE marked with the EN 342 symbol - the water penetration test is optional.
- A complete ensemble during the test is a 3-layer system with type B underwear - an inner layer with underwear, a mid thermo layer and an outer layer of certified garments - all used together with socks, balaclava, gloves and boots.
- The value of the thermal insulation will show the minimum temperature where the body has a comfortable temperature. In the updated version of the standard EN 342:2017 the test has changed and air velocity is now also taken into account.

EN 343 Protective clothing against rain

This standard specifies PPE Clothing used for working in rain or snow, fog and ground humidity.

- According to the latest version of the standard, EN 343:2019, the garment and seams are tested for water penetration (waterproofness) class 1-4 and water vapour resistance (breathability) class 1-4, where class 4 is the highest level. The garment must achieve a result on both tests to be CE marked with the EN 343 symbol.
- The breathability of the garments are affected by its constructicon and it is common for an unlined garment to reach EN 343 class 4:4 (same as the outer fabric) whilst lined garments in the same outer fabric might only achieve EN 343 class 4:2 for example. In these cases it is the lining in the garment that affects the permeability of water vapour resistance (breathability). The test method of waterproofness of a readymade garment in rain tower has also been added to the standard. This test is optional.
- The previous version of the standard (EN 343:2003+A1 2007) has 3 classes. The requirements of class 1-3 for resistance to water penetration are the same in both versions of EN 343, but now class 4 has higher requirements. The result for water vapour resistance (breathability) has also been expanded with a 4th class and the levels of each class are slightly changed. Only class 1 is the same in both versions.
- The test method EN 20811 (Determination of resistance to water penetration) is a result in millimeters of water column (mmH20) or Pascal (Pa).Tomax designates garments with a water column > 5000 mm (50000 Pa) as wind and waterproof. This gives a good protection in intermittent rain or inclement weather. In heavy or prolonged periods of heavy rain, traditional laminated rainwear is recommended.

EN ISO 15797 Procedures for industry laundry and finishing of workwear

EN ISO 15797 is a test method used for evaluating textiles /garments that are to be industrially washed and consists of both washing and drying processes.Requirements for test results are determined in the respective EN standard, - for example in EIN ISO 20471 and EN ISO 11612.

	ISO 15797 Industry laundry	ISO 6330 Domestic washing
Applicability	For industrial laundering, involving the use of professional equipment in an industrial setting.	For domestic washing, involving the use of household washing machines.
Testing Conditions	It employs more rigorous testing conditions: Washing temperature ranges from 60-95°C, each washing cycle requires 2 hours, and stricter chemical requirements.	It employs conditions that are more typical of household laundering, including lower temperatures from 30-60°C, each washing cycle requires 1 hours, and common household detergent use.
Purpose	The primary purpose is to assess the durability, colorfastness, and performance stability of textiles in an industrial environment.	The primary purpose is to assess the durability, colorfastness, and post-wash performance of textiles under typical household washing conditions.
Equipment	The standard may involve the use of industrial-grade washing equipment to replicate large-scale production conditions.	Testing typically involves the use of household washing machines, reflecting the conditions of everyday consumer use.

Class 1 (20 m/s) delivers reliable safety for regular professional operations.

Class 2 (24 m/s) offers enhanced defense for demanding forestry work.

Class 3 (28 m/s) ensures maximum protection for extreme cutting conditions.

EN ISO 11393-6

EN ISO 11393-6:2018 Protective clothing for users of hand-held chainsaws—Part 6:Performance requirements and test methods for upper body protectors

- Upper body protectors

Type A

Type B

EN ISO 11393-2

EN ISO 11393-2:2018 Protective clothing for users of hand-held chainsaws—Part 2:Performance requirements and test methods for leg protectors

- Leg protectors

Type A

Type B

Type C

Certificate status query
by scan QR code

CSI GUOLIAN BEIJING CERTIFICATION CENTER

QMS CERTIFICATE OF REGISTRATION

Registration No.: 12824Q21333R0M

This is to certify that the Quality Management System of

TOMAX PROTECTION TECHNOLOGY INC.

Unified social credit code:91410700689708278A
No.200 Deyuan West Road, High-tech District, Xinxiang City, Henan Province

Has been audited to conform to the following Quality Management System Standard:

GB/T19001-2016/ISO9001:2015

For the whole process of
Production of clothing
(shirts, jackets,pants,T-shirt, sweatshirt, short pants, Coverall)

DATE OF INITIAL ISSUE: 09-30-2024 DATE OF ISSUE : 08-19-2025 VALID UNTIL: 09-29-2027

The certified organization must accept surveillance audit at least once a year . The validity status of the certificate can be checked by scanning the QR code.

The certificate information and status is available in the certification and accreditation administration of the P.R.C's official website: www.cnca.gov.cn

Zhou ZhangDe

MEMBER OF MULTILATERAL RECOGNITION ARRANGEMENT

CNAS 中国认可 国际互认 管理体系 MANAGEMENT SYSTEM CNAS C128-M

China Standards Institute guolian(beijing)Certification Center CSI

No.21, No.4 Yard, Yuetanbeixiaojie Street,
Xicheng District, Beijing.
010-68017408

Shirley

Personal Protective Equipment Regulation (EU) 2016/425

Quality Assurance Certificate

Module D

Manufacturer
Tomax Protection Technology Inc.
No.200, Deyuan West Road, Xinxiang City, Henan Province, China

Scope:
CE marking of protective clothing against chemicals, thermal effects of an arc flash, antistatic, heat and flame, welding, medium / high visibility and chainsaw

Certificate Number: SH01713

Issued by: Shirley® (Notified Body No. 2895 for Regulation (EU) 2016/425)

First issue: 14 July 2025 Date of Issue: 14 July 2025 Expiry*: 14 July 2028

Authorised by

C A Butcher
Certification Manager

*Subject to continued compliance and audit.

The attached schedule of approval forms part of this certificate.
Note: The validity of this certificate can be confirmed by contacting the Issuing Office:
Shirley Technologies (Europe) Limited, Sky Business Centre, Port Tunnel Business Park, Office 13
Unit 21, Clonshaugh Business & Technology Park, Dublin 17, ROI
Tel: +353 (0) 01894 1448 email: info@shirley.ie website: www.shirley.ie

IVNAB ISO 17065 ACCREDITED PRODUCT CERTIFICATION

OFC00909 STEL – v3 – 05.10.2021 – Approval Level 1

Monitoring summary report for TOMAX PROTECTION TECHNOLOGY INC.

amfori
Trade with purpose

MONITORING ID: 24-0294399

Monitored Party **TOMAX PROTECTION TECHNOLOGY INC.**	amfori ID **156-026961-000**	Address **No.200 Deyuan West Road, High-tech District, 453000 Xinxiang, Henan Sheng, China**
Monitoring Activity **amfori Social Audit - Manufacturing**	Monitoring Type **Full Monitoring**	Monitoring Partner **SGS**
Monitoring Start Date **04/12/2024**	Closing Meeting Finished Date **05/12/2024**	Submission Date **12/12/2024**
Expiration Date **12/12/2026**	Announcement Type **Semi Announced**	
Site **TOMAX PROTECTION TECHNOLOGY INC.**	Site amfori ID **156-026961-002**	

This is an extract of the online Monitoring Result, generated on 13/12/2024, and is only valid as an acknowledgement of the result. To see all the details, review the full monitoring result, which is available on the amfori Sustainability Platform - The English version is the legally binding one.

OVERALL RATING

A | **B** | C | D | E | None

SECTION RATING

PA1: Social Management System	C
PA 2: Workers Involvement and Protection	B
PA 3: The Rights of Freedom of Association and Collective Bargaining	A
PA 4: No Discrimination, Violence or Harassment	A
PA 5: Fair Remuneration	B
PA 6: Decent Working Hours	C

TOMAX PROTECTION TECHNOLOGY INC.
High-Tech District, No. 200, Deyuan West Road
Xinxiang Henan 453000
China

OEKO TEX®

TESTEX AG, Swiss Textile Testing Institute
Gotthardstrasse 61
8002 Zurich
Switzerland

Certificate

OEKO-TEX® STANDARD 100

TOMAX PROTECTION TECHNOLOGY INC.

is granted the OEKO-TEX® STANDARD 100 certification and the right to use the trademark.

SCOPE
Workwear (jacket, coveralls, pants, bib and brace overall) made of CO, LI, CLY, CV from bamboo fibre, CLY from bamboo fibre, HA, CO/CLY, CO/PES, PES/CO, PES/CLY, CV/LI, PES/CV, SEF/CO/CF, CO/PA, CLY/LI, CLY/CO/LI, CV from bamboo fibre/CO, as well as mixtures with EL woven fabrics (incl. jacquard, cross-woven & waffle fabrics), bleached, fibre-dyed, yarn-dyed or piece-dyed (disperse, reactive, vat, acid dyestuffs), reactive and pigment printed and finished (incl. water-/oil-repellent, easy-care, moisture wicking & quick dry, anti-wrinkle, soil release, anti-bacterial) (partly finished with ... [Please scan QR code for full scope]

PRODUCT CLASS
II (products with direct contact to skin) - Annex 4

OEKO TEX®
STANDARD 100
SHGO 085532
TESTEX

This certificate SHGO 085532 is valid until 15.11.2025.

SUPPORTING DOCUMENTS
- ✓ Test report : SH020 251595.1
- ✓ Declaration of conformity in accordance with EN ISO 17050-1 as required by OEKO-TEX®
- ✓ OEKO-TEX® Terms of Use (ToU)

Matz Bachmann
Managing Director

i.V. Dijana Ajdinovic
Dijana Ajdinovic
Ecology Team Leader

Further compliance information (REACH, SVHC, POP, GB18401 etc.) can be found on oeko-tex.com/en/faq.

The certificate is based on the test methods and requirements of the OEKO-TEX® STANDARD 100 that were in force at the time of evaluation.

Zurich, 2024-11-11

OEKO-TEX Service GmbH Genferstrasse 23, CH-8002 Zurich

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textile research institute

CERTIFICATE OF TEST

Certificate of test nº **24CN0713**

AITEX declares that the articles:

"TME-mocopro 330 HY"
According information supplied by the customer:
Composition and percentage:
modacrylic/aramid/cotton/antistatic/spandex
Weight: 330GSM
Color: HIVIS-YELLOW

Given by the company:

TOMAX PROTECTION TECHNOLOGY INC

No.200 Deyuan West Road,High-tech District CN-453000
XINXIANG

Complies with the requirements of the standard/s:

EN ISO 20471:2013 + EN ISO 20471:2013 + A1:2016. HIGH VISIBILITY CLOTHING. TEST METHODS AND REQUIREMENTS

	TEST	RESULTS	REQUIREMENTS	REPORT No.
Clause 5.1	Determination of chromatitcity coordinates - As received	x = 0,393 y = 0,522 β_{min} = 0,81	x:0,387 y:0,610 x:0,356 y:0,494 x:0,398 y:0,452 x:0,460 y:0,540 β_{min}: 0,70	2024CN0241
	Determination of chromatitcity coordinates - After 5 washing cycles	x = 0,393 y = 0,5522 β_{min} = 0,82		
Clause 5.2	Determination of chromatitcity coordinates - After Xenon test exposure	x = 0,387 y = 0,471 β_{min} = 0,70		
Clause 5.3.1	Colour fastness to rubbing	Dry staining = 4-5	Dry staining ≥ 4	2024CN0241
Clause 5.3.2	Colour fastness to perspiration	Change in colour = 5	Change in colour ≥ 4	2024CN0241
		Staining = 4-5	Staining ≥ 4	
Clause 5.3.3	Colour fastness to washing Test A1M at 40ºC	Change in colour = 5	Change in colour ≥ 4-5	2024CN0241
		Staining = 4-5	Staining ≥ 4	
Clause 5.4	Dimensional stability after 5 washing cycles	Warp: -1,0 % / Weft: 0 %	≤ ±3%	2024CN0241
Clause 5.6.3	Water vapour resistance (R_{et})	R_{et} = 5,00 (m²·Pa/W)	R_{et} ≤ 5 (m²·Pa/W)	2024CN0241
	Thermal resistance (R_{ct})	R_{ct} = 0,0203 (m²·K/W)	---	
	Water vapour permeability index (i_{mt})	i_{mt} = 0,24	i_{mt} ≥ 0,15	

Remark: Washing instructions according to Standard EN ISO 6330:2021, method 4N and C type drying (horizontal drying).

The test results above indicated are shown in the testing report:

2024CN0241

Issued by AITEX on: 17/04/2024.
This document is of application for the tested sample, according to the tests that have been done in the previously mentioned dates in the reports above shown. This does not implies any monitoring or control activity on this product done by AITEX.

This document is a test summary and does not imply a product certification.

Signed by: Lucía Martínez
Head of PPE and Ballistic department

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CERTIFICATE OF TEST

Certificate of test nº 24CN0713

AITEX declares that the articles:

"TME-mocopro 330 HY"
According information supplied by the customer:
Composition and percentage:
modacrylic/aramid/cotton/antistatic/spandex
Weight: 330GSM
Color: HIVIS-YELLOW

Given by the company:

TOMAX PROTECTION TECHNOLOGY INC

No.200 Deyuan West Road,High-tech District CN-453000
XINXIANG

Complies with the requirements of the standard/s:

EN ISO 11611:2015. PROTECTIVE CLOTHING. CLOTHING TO PROTECT AGAINST HEAT AND FLAME.

	TEST	RESULTS		REQUIREMENTS	REPORT No.
Clause 6.2	Tensile strength after 5 washing cycles	Warp: 1200 N	Weft: 660 N	≥ 400 N	2024CN0241
Clause 6.3	Tear strength after 5 washing cycles	Warp: 21,5 N	Weft: 22,5 N	≥ 15 N	2024CN0241
Clause 6.7	Limited flame spread as received and after 5 washing cycles (Procedure A)	A1		No specimen must ignite toward the top or toward the edges No specimen shall give hole formation of 5 mm or greater in any direction No specimen shall give flaming or molten debris The afterflame time is ≤ 2 s The afterglow time is ≤ 2 s	2024CN0241
	Limited flame spread as received and after 5 washing cycles (Procedure B)	A2		No specimen must ignite toward the top or toward the edges No specimen shall give flaming or molten debris The afterflame time is ≤ 2 s The afterglow time is ≤ 2 s	2024CN0241
Clause 6.6	Dimensional change after 5 washing cycles	Warp: -1,0 %	Weft: 0 %	≤ ± 3%	2024CN0241
Clause 6.8	Small splashes of molten metal after 5 washing cycles	Class 1 17 drops		Class 1 15 ≤ drops < 25	2024CN0241
Clause 6.9	Radiant heat after 5 washing cycles	Class 1 RHTI^{a} 24: 13,9 s		Class 1 7 ≤ RHTI^{a} 24 < 16	2024CN0241
Clause 6.10	Electrical insulation after 5 washing cycles	$6{,}28 \cdot 10^{6}$ Ω		> 10^{5} Ω	2024CN0241

EN 1149-5:2018. PROTECTIVE CLOTHING. ELECTROSTATIC PROPERTIES. PART 5 MATERIAL PERFORMANCE AND DESIGN REQUIREMENTS.

	TEST	RESULTS	REQUIREMENTS	REPORT No.
EN 1149-3:2004	Charge Decay test (Method 2) after 5 washing cycles	S = 0,8 t_{50} < 0,01 s	S > 0,2 or t_{50} < 4 s	2024CN0241

Remark: Washing instructions according to Standard EN ISO 6330:2021, method 4N and C type drying (horizontal drying).

The test results above indicated are shown in the testing report:

2024CN0241

Issued by AITEX on: 17/04/2024.
This document is of application for the tested sample, according to the tests that have been done in the previously mentioned dates in the reports above shown. This does not implies any monitoring or control activity on this product done by AITEX.

This document is a test summary and does not imply a product certification.

Signed by: Lucía Martínez
Head of PPE and Ballistic department

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CERTIFICATE OF TEST

Certificate of test nº **24CN0713**

AITEX declares that the articles:

"TME-mocopro 330 HY"
According information supplied by the customer:
Composition and percentage:
modacrylic/aramid/cotton/antistatic/spandex
Weight: 330GSM
Color: HIVIS-YELLOW

Given by the company:

TOMAX PROTECTION TECHNOLOGY INC

No.200 Deyuan West Road,High-tech District CN-453000
XINXIANG

Complies with the requirements of the standard/s:

EN ISO 11612:2015. PROTECTIVE CLOTHING. CLOTHING TO PROTECT AGAINST HEAT AND FLAME.

TEST		RESULTS		REQUIREMENTS	REPORT No.
Clause 6.2.1	Heat resistance (180)ºC after 5 washing cycles	Warp: -1 %	Weft: -3,3 %	No ignite, no melt and no shrink by more than 5%	2024CN0241
Clause 6.3	Limited flame spread as received and after 5 washing cycles (Procedure A)	A1		No specimen must ignite toward the top or toward the edges No specimen shall give hole formation of 5 mm or greater in any direction No specimen shall give flaming or molten debris The afterflame time is ≤ 2 s The afterglow time is ≤ 2 s	2024CN0241
	Limited flame spread as received and after 5 washing cycles (Procedure B)	A2		No specimen must ignite toward the top or toward the edges No specimen shall give flaming or molten debris The afterflame time is ≤ 2 s The afterglow time is ≤ 2 s	2024CN0241
Clause 6.4	Dimensional change after 5 washing cycles	Warp: -1,0 %	Weft: 0 %	≤ ± 3%	2024CN0241
Clause 6.5.1	Tensile strength after 5 washing cycles	Warp: 1200 N	Weft: 660 N	≥ 300 N	2024CN0241
Clause 6.5.2	Tear strength after 5 washing cycles	Warp: 21,5 N	Weft: 22,5 N	≥ 10 N	2024CN0241
Clause 7.2	Convective heat after 5 washing cycles	Level B1 HTI[a] 24: 6,4 s		Level B1 4 ≤ HTI[a] 24 < 10	2024CN0241
Clause 7.3	Radiant heat after 5 washing cycles	Level C1 RHTI[a] 24: 13,9 s		Level C1 7 ≤ RHTI[a] 24 < 20	2024CN0241
Clause 7.5	Molten iron splash after 5 washing cycles	Level E2 165 g		Level E2 120 ≤ g < 200	2024CN0241
Clause 7.6	Contact heat after 5 washing cycles	Level F1 t_1: 7,33 s		Level F1 5 ≤ t_1 < 10	2024CN0241

Remark: Washing instructions according to Standard EN ISO 6330:2021, method 4N and C type drying (horizontal drying).

The test results above indicated are shown in the testing report:

2024CN0241

Issued by AITEX on: 17/04/2024.

This document is of application for the tested sample, according to the tests that have been done in the previously mentioned dates in the reports above shown. This does not implies any monitoring or control activity on this product done by AITEX.

This document is a test summary and does not imply a product certification.

Signed by: Lucía Martínez
Head of PPE and Ballistic department

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Tests marked with * are not included within the scope of the accreditation

SIMPLIFIED TEST REPORT
No. 2023CN1023

Issued by Aitex on 29/01/2024

AITEX declares that the article/s:

Reference:
TM-mocopro 330 HY

According to customer:
Colour Hivis-yellow
Manufacturer Woven fabric
Fabric structure Fiber content and percentages
modacrylic/aramid/cotton/antistatic/spandex
Weight 330 g/m2

Given by the company:

TOMAX PROTECTION TECHNOLOGY INC
No.200 Deyuan West Road,High-tech District
CN-453000 XINXIANG
China

Has/have been tested according to:

ELECTRIC ARC EXPOSURE TEST: DETERMINATION OF THE ARC RATING ELIM, (ATPV OR E_{BT50}) OF FLAME RESISTANT MATERIALS FOR CLOTHING

Standard:

EN IEC 61482-1-1: 2019 Material test (Procedure A)

Getting the following results:

ARC RATING (ATPV)	11 cal/cm²
ELIM	9,4 cal/cm²

Pre-treatment:
5 washing cycles at 40°C, according to standard UNE-EN ISO 6330:2021, method 4N and type C drying.

The test results above indicated are shown in the testing report/s:

2023CN1022

Signature:

Firmado digitalmente por MIGUEL ANGEL|PEREZ|ESLAVA
Fecha: 2024.01.29 15:49:53 +01'00'

Raquel Muñoz González
Manager Innovation Area

The test was carried out at Polígono Industrial Fuente del Jarro. C/ Ciudad de Gibraltar, 5; 46988 - Paterna (Valencia); which property is shared at 50% between research institutes AITEX and ITE
(1)The Essential test data and liability clauses are included at indicated test report number and are at the applicant's disposal.

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CERTIFICATE OF TEST

Certificate of test nº **23CN1021**

AITEX declares that the articles:

"TME-mocopro 330 HY"
Information supplied by the customer:
Style: TME-mocopro 330 HY
Colour: Hivis-yellow
Woven fabric
Fiber content and percentages:
Modacrylic/Aramid/Cotton/Antistatic/Spandex
Weight: 330 g/m²

Given by the company:

TOMAX PROTECTION TECHNOLOGY INC

No.200 Deyuan West Road, High-tech District
CN-453000
XINXIANG

Complies with the requirements of the standard/s:

EN 61482-2:2020. PROTECTIVE CLOTHING AGAINST THE THERMAL HAZARDS OF AN ELECTRIC ARC. REQUIREMENTS

	TEST	RESULTS	REQUIREMENTS	REPORT No.
Clause 4.4.3	Determination of Arc Protection Class using a constrained and directed arc (box test) after 5 washing cycles	Arc Protection Class (APC) 1	Arc Protection Class (APC) 1	2023CN1020

Remark: Washing instructions according to Standard EN ISO 6330:2021, method 4N and C drying (horizontal drying).

The test results above indicated are shown in the testing report:

2023CN1020

Issued by AITEX on: 19/12/2023.
This document is of application for the tested sample, according to the tests that have been done in the previously mentioned dates in the reports above shown. This does not implies any monitoring or control activity on this product done by AITEX. This document is a test summary and does not imply a product certification.

Signed by: Lucía Martínez
Head of PPE and Ballistic department

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2023CN1020

DESCRIPTION OF SAMPLES

Reference by AITEX: 2023CN1020-S01
Reference by customer:
TME-mocopro 330 HY
Information supplied by the customer
Style TME-mocopro 330 HY

Colour Hivis-yellow

Woven fabric

Fiber content and percentages modacrylic/aramid/cotton/antistatic/spandex

Weight 330 g/m²

AITEX Subsamples	Subsample Description
2023CN1020-S01_P1	FABRIC AFTER WASH 5 CYCLES

EXECUTIVE SUMMARY

	Reference	Test/Standard	Result
EN 61482-2:2020	2023CN1020-S01_P1	DETERMINATION OF MASS PER UNIT AREA USING SMALL SAMPLES **EN 12127:1997 Pto.8.3**	TESTED
		ELECTRIC ARC TEST **IEC 61482-1-2:2014**	APC 1

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CERTIFICATE OF TEST

Certificate of test nº **25CN0013**

AITEX declares that the articles:

"TMK-MVE180"
Information supplied by the customer:
Composition and percentage: 76% FR Lezing/20% Aramid/2% Antistatic/2% Elastane
Weight: 180g
Color: Black

Given by the company:

TOMAX PROTECTION TECHNOLOGY INC

No. 200 Deyuan West Road, High-tech District
CN-453000
XINXIANG

Complies with the requirements of the standard/s:

EN ISO 13688:2013 PROTECTIVE CLOTHING. GENERAL REQUIREMENTS.

	TEST	RESULTS		REQUIREMENTS	REPORT No.
Clause 4.2	Determination of pH value	pH=7,20		3.5 < pH < 9.5	2025CN0009
	Determination of forbidden azo colorants (cancerogenic arylamines)	PASS < 15 mg/Kg		By detecting Azo colorants the limited stablished is not detected by standard EN 14362-1	2025CN0009
Clause 5.3	Dimensional stability after 5 washing cycles (outer fabric)	Warp: 0%	Weft: 0%	≤ ±5%	2025CN0009

Remark: Washing instructions according to Standard EN ISO 6330:2021, method 4N and A type drying (vertical drying).

The test results above indicated are shown in the testing report:

2025CN0009

Issued by AITEX on: 03/02/2025.
This document is of application for the tested sample, according to the tests that have been done in the previously mentioned dates in the reports above shown. This does not implies any monitoring or control activity on this product done by AITEX.

This document is a test summary and does not imply a product certification.

Signed by: Lucía Martínez
Head of PPE and Ballistic department

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CERTIFICATE OF TEST

Certificate of test nº 25CN0013

AITEX declares that the articles:

"TMK-MVE180"
Information supplied by the customer:
Composition and percentage: 76% FR Lezing/20% Aramid/2% Antistatic/2% Elastane
Weight: 180g
Color: Black

Given by the company:

TOMAX PROTECTION TECHNOLOGY INC

No. 200 Deyuan West Road, High-tech District
CN-453000
XINXIANG

Complies with the requirements of the standard/s:

EN ISO 11612:2015. PROTECTIVE CLOTHING. CLOTHING TO PROTECT AGAINST HEAT AND FLAME.

	TEST	RESULTS		REQUIREMENTS	REPORT No.
Clause 6.2.1	Heat resistance (180)ºC after 25 washing cycles	Warp: -2 %	Weft: -2 %	No ignite, no melt and no shrink by more than 5%	2025CN0009
Clause 6.3	Limited flame spread as received and after 25 washing cycles (Procedure A)	A1		No specimen must ignite toward the top or toward the edges No specimen shall give hole formation of 5 mm or greater in any direction No specimen shall give flaming or molten debris The afterflame time is ≤ 2 s The afterglow time is ≤ 2 s	2025CN0009
	Limited flame spread as received and after 25 washing cycles (Procedure B)	A2		No specimen must ignite toward the top or toward the edges No specimen shall give flaming or molten debris The afterflame time is ≤ 2 s The afterglow time is ≤ 2 s	
Clause 6.4	Dimensional stability after 5 washing cycles	Warp: 0%	Weft: 0%	≤ ±5%	2025CN0009
Clause 6.5.3	Bursting strength after 25 washing cycles	229 kPa		≥ 100 kPa	2025CN0009
Clause 7.2	Convective heat after 25 washing cycles	Level B1 HTI[a] 24: 5,9 s		Level B1 4 ≤ HTI[a] 24 < 10	2025CN0009
Clause 7.3	Radiant heat after 25 washing cycles	Level C1 RHTI[a] 24: 11,1 s		Level C1 7 ≤ RHTI[a] 24 < 20	2025CN0009
Clause 7.6	Contact heat after 25 washing cycles	Level F1 t_t: 7,0 s		Level F1 5 ≤ t_t < 10	2025CN0009

EN 1149-5:2018. PROTECTIVE CLOTHING. ELECTROSTATIC PROPERTIES. PART 5 MATERIAL PERFORMANCE AND DESIGN REQUIREMENTS.

	TEST	RESULTS	REQUIREMENTS	REPORT No.
EN 1149-3:2004	Charge Decay test (Method 2) after 25 washing cycles	S = 0,5 t_{50} < 0,01 s	S > 0,2 or t_{50} < 4 s	2025CN0009

Remark: Washing instructions according to Standard EN ISO 6330:2021, method 4N and A type drying (vertical drying).

The test results above indicated are shown in the testing report:

2025CN0009

Issued by AITEX on: 03/02/2025.
This document is of application for the tested sample, according to the tests that have been done in the previously mentioned dates in the reports above shown. This does not implies any monitoring or control activity on this product done by AITEX.

This document is a test summary and does not imply a product certification.

Signed by: Lucía Martínez
Head of PPE and Ballistic department

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EN 1149-3: 2004 Method 2

Certificate of Test

Client

Tomax Protection Technology Inc.

NO.200 Deyuan West Road
Xinxiang City
Henan Province
453700
China

Sample Description:

Blue-coloured woven fabric

Identified as:

XX 2023 02; 300 gsm; Navy; Woven; FR 97% Cotton 2% Elastane 1% Anti-static

has been tested by BTTG® according to the above-mentioned specification and complies with the following clauses:

EN 1149-5: 2018
Conductive threads do not exceed 10mm
Shielding Factor (S) = 0.75
Half Decay Time (t50) = < 0.01s

Pre-treatment fifty wash/dry cycles according to EN ISO 6330: 2021 Procedure 4N (40°C) with tumble drying (Procedure F) (max. 60°C outlet temperature).

Note – This Certificate relates only to the clauses of the standard as listed above. Please refer to the accompanying test report reference E-029636/D for full details of the tests performed.
*An estimation of uncertainty of measurement has been taken into account when making a judgement to any pass/fail criteria. See our Decision Rules Policy https://www.bttg.co.uk/about-us/decision-rules-policy/ for further information.

The full details of the test(s) and the result(s) are given in our Report(s):

Report Number: E-029636/D
Dated: 20th June 2023

Authorised by
V H San
Technical Customer Service Administrator

Authorised by
M T Healey
Principal Technician

The declaration in this Certificate of Test applies to the actual sample tested and to the specified tests carried out as detailed in the referenced report(s) detailed above.

BTTG®, Unit 6 Wheel Forge Way, Trafford Park, Manchester, M17 1EH, United Kingdom
Tel: +44 (0)161 876 4211 email: ppe@bttg.co.uk website: www.bttg.co.uk

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EN ISO 11612: 2015

Certificate of Test

Client

Tomax Protection Technology Inc.

NO.200 Deyuan West Road
Xinxiang City
Henan Province
453700
China

Sample Description:

Blue-coloured woven fabric

Identified as:

XX 2023 02; 300 gsm; Navy; Woven; FR 97% Cotton 2% Elastane 1% Anti-static

has been tested by BTTG® according to the above-mentioned specification and complies with the following clauses:

Clause 6.2.1 Heat resistance (at 180°C) (Pass)
Clause 6.3.2 Limited flame spread – Face ignition (A1)
Clause 6.3.3 Limited flame spread – Edge ignition (A2)
Clause 6.4 Dimensional change due to cleaning (Pass)
Clause 6.5.1 Tensile strength (Pass)
Clause 6.5.2 Tear strength (Pass)
Clause 7.2 Convective heat (B1)
Clause 7.3 Radiant heat (C1)
Clause 7.5 Molten iron splash (E1)
Pre-treatment five and fifty wash/dry cycles according to EN ISO 6330: 2021 Procedure 4N (40°C) with tumble drying (Procedure F) (max. 60°C outlet temperature), where required.

Note – This Certificate relates only to the clauses of the standard as listed above. Please refer to the accompanying test report reference E-029636/A for full details of the tests performed.
*An estimation of uncertainty of measurement has been taken into account when making a judgement to any pass/fail criteria. See our Decision Rules Policy https://www.bttg.co.uk/about-us/decision-rules-policy/ for further information.

The full details of the test(s) and the result(s) are given in our Report(s):

Report Number: E-029636/A
Dated: 20th June 2023

Authorised by
V H San
Technical Customer Service Administrator

Authorised by
M T Healey
Principal Technician

The declaration in this Certificate of Test applies to the actual sample tested and to the specified tests carried out as detailed in the referenced report(s) detailed above.

BTTG®, Unit 6 Wheel Forge Way, Trafford Park, Manchester, M17 1EH, United Kingdom
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EN ISO 11611: 2015

Certificate of Test

Client

Tomax Protection Technology Inc.

NO.200 Deyuan West Road
Xinxiang City
Henan Province
453700
China

Sample Description:

Blue-coloured woven fabric

Identified as:

XX 2023 02; 300 gsm; Navy; Woven; FR 97% Cotton 2% Elastane 1% Anti-static

has been tested by BTTG® according to the above-mentioned specification and complies with the following clauses:

Clause 6.2 Tensile strength (Class 1 & 2)
Clause 6.3 Tear strength (Class 1)
Clause 6.6 Dimensional change of textile materials (Class 1 & 2)
Clause 6.7.2 Limited flame spread – Face ignition (A1)
Clause 6.7.3 Limited Flame spread – Edge ignition (A2)
Clause 6.8 Impact of spatter (Class 1)
Clause 6.9 Heat transfer (radiation) (Class 1)
Clause 6.10 Electrical resistance (Class 1 & 2)
Pre-treatment five and fifty wash/dry cycles according to EN ISO 6330: 2021 Procedure 4N (40°C) with tumble drying (Procedure F) (max. 60°C outlet temperature), where required.

Note – This Certificate relates only to the clauses of the standard as listed above. Please refer to the accompanying test report reference E-029636/C for full details of the tests performed.
*An estimation of uncertainty of measurement has been taken into account when making a judgement to any pass/fail criteria. See our Decision Rules Policy https://www.bttg.co.uk/about-us/decision-rules-policy/ for further information.

The full details of the test(s) and the result(s) are given in our Report(s):

Report Number: E-029636/C
Dated: 20th June 2023

Authorised by
V H San
Technical Customer Service Administrator

Authorised by
M T Healey
Principal Technician

The declaration in this Certificate of Test applies to the actual sample tested and to the specified tests carried out as detailed in the referenced report(s) detailed above.

BTTG®, Unit 6 Wheel Forge Way, Trafford Park, Manchester, M17 1EH, United Kingdom
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ENAC ENSAYO ISO 17025 Nº12/LE025

SIMPLIFIED TEST REPORT
No. 2023CN0671

Issued by Aitex on 28/09/2023

AITEX declares that the article/s:

Reference:
TIME-Comstar 300

According to customer:
Colour: Navy
Manufacturer: TOMAX PROTECTION TECHNOLOGY INC.
Woven fabric
Fabric structure: Satin
Fiber percentages:
97% Cotton/2% Elastane/1% Anti-static
Weight: 300 g/m²

Given by the company:

TOMAX PROTECTION TECHNOLOGY INC
No.200 Deyuan West Road,High-tech District
CN-453000 XINXIANG
China

Has/have been tested according to:

ELECTRIC ARC EXPOSURE TEST: DETERMINATION OF THE ARC RATING ELIM, (ATPV OR E_{BT50}) OF FLAME RESISTANT MATERIALS FOR CLOTHING

Standard:
IEC 61482-1-1: 2019 Material test (Procedure A)

Getting the following results:

ARC RATING (ELIM)	10 cal/cm²
ATPV	13 cal/cm²

Pre-treatment:
5 washing cycles at 40ºC, according to standard EN ISO 6330:2021, method 4N and type F drying

The test results above indicated are shown in the testing report/s:

2023CN0670

Signed by:

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Lucía Martínez
Head of PPE and Ballistic department

The test was carried out at Polígono Industrial Fuente del Jarro. C/ Ciudad de Gibraltar, 5; 46988 - Paterna (Valencia); which property is shared at 50% between research institutes AITEX and ITE
(1)The Essential test data and liability clauses are included at indicated test report number and are at the applicant's disposal.

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CERTIFICATE OF TEST

Certificate of test nº **23CN0673**

AITEX declares that the articles:

"TME-Comstar 300"
According to information supplied by the customer:
Fabric reference:
Colour: Navy
Composition and percentage: 97% Cotton / 2% Elastane / 1% Anti-static
Woven fabric
Weight: 300 g/m²

Given by the company:

TOMAX PROTECTION TECHNOLOGY INC

No.200 Deyuan West Road, High-tech District
CN-453000 XINXIANG
China

Complies with the requirements of the standard/s:

EN 61482-2:2020. PROTECTIVE CLOTHING AGAINST THE THERMAL HAZARDS OF AN ELECTRIC ARC. REQUIREMENTS

	TEST	RESULTS	REQUIREMENTS	REPORT No.
Clause 4.4.3	Determination of Arc Protection Class using a constrained and directed arc (box test) after 5 washing cycles	Arc Protection Class (APC) 1	Arc Protection Class (APC) 1	2023CN0672

Remark: Washing instructions according to Standard EN ISO 6330:2021, method 4N and F drying (type A1 tumble drying).

The test results above indicated are shown in the testing report:

2023CN0672

Issued by AITEX on: 06/09/2023.
This document is of application for the tested sample, according to the tests that have been done in the previously mentioned dates in the reports above shown. This does not implies any monitoring or control activity on this product done by AITEX.
This document is a test summary and does not imply a product certification.

Signed by: Lucía Martínez
Head of PPE and Ballistic department

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CERTIFICATE OF TEST

Certificate of test nº **23CN0766**

AITEX declares that the articles:

"FR50"
According information supplied by the customer:
Fabric reference: FR50
Composition and percentage: 99% Cotton and 1% Antistatic
Weight: 350 GSM
Colour: Navy

Given by the company:

TOMAX PROTECTION TECHNOLOGY INC

No.200 Deyuan West Road, High-tech District
CN-453000
XINXIANG

Complies with the requirements of the standard/s:

EN ISO 11611:2015. PROTECTIVE CLOTHING. CLOTHING TO PROTECT AGAINST HEAT AND FLAME.

	TEST	RESULTS		REQUIREMENTS	REPORT No.
Clause 6.2	Tensile strength after 5 washing cycles	Warp: 1400 N	Weft: 1000 N	≥ 400 N	2023CN0765
Clause 6.3	Tear strength after 5 washing cycles	Warp: 32,9 N	Weft: 53,7 N	≥ 15 N	2023CN0765
Clause 6.7	Limited flame spread as received and after 5 washing cycles (Procedure A)	A1		No specimen must ignite toward the top or toward the edges No specimen shall give hole formation of 5 mm or greater in any direction No specimen shall give flaming or molten debris The afterflame time is ≤ 2 s The afterglow time is ≤ 2 s	2023CN0765
	Limited flame spread as received and after 5 washing cycles (Procedure B)	A2		No specimen must ignite toward the top or toward the edges No specimen shall give flaming or molten debris The afterflame time is ≤ 2 s The afterglow time is ≤ 2 s	2023CN0765
Clause 6.6	Dimensional change after 5 washing cycles	Warp: -1,0 %	Weft: -0,3 %	≤ ± 3%	2023CN0765
Clause 6.8	Small splashes of molten metal after 5 washing cycles	Class 2 39 drops		Class 2 25 < drops	2023CN0765
Clause 6.9	Radiant heat after 5 washing cycles	Class 2 RHTI^{a} 24: 17,0 s		Class 2 16 < RHTI^{a} 24	2023CN0765
Clause 6.10	Electrical insulation after 5 washing cycles	$8{,}50 \cdot 10^{6}$ Ω		$> 10^{5}$ Ω	2023CN0765

Remark: Washing instructions according to Standard EN ISO 6330:2021, method 6N and F type drying (type A1 tumble drying).

The test results above indicated are shown in the testing report:

2023CN0765

Issued by AITEX on: 17/10/2023.
This document is of application for the tested sample, according to the tests that have been done in the previously mentioned dates in the reports above shown. This does not implies any monitoring or control activity on this product done by AITEX.
This document is a test summary and does not imply a product certification.

Signed by: Lucía Martínez
Head of PPE and Ballistic department

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EN ISO 11612: 2015

Certificate of Test

Client

Tomax Protection Technology Inc.

High-Tech District
No. 200 Deyuan West Road
Xinxiang
China

Sample Description:

Navy coloured woven fabric

Identified as:

TM-COA350; 99% Cotton / 1% Antistatic; Navy; 350gsm

Has been tested by BTTG® according to the above mentioned specification and complies with the following clauses:

Clause 6.2.1 Heat resistance (at 180°C)
Clause 6.3.2 Limited flame spread – Face ignition (A1)
Clause 6.3.3 Limited flame spread – Edge ignition (A2)
Clause 6.4 Dimensional change due to cleaning
Clause 6.5.1 Tensile strength
Clause 6.5.2 Tear strength
Clause 7.2 Convective heat (B1)
Clause 7.3 Radiant heat (C1)
Clause 7.5 Molten iron splash (E2)
Clause 7.6 Contact heat (F1)

Pre-treatment five wash/dry cycles according to EN ISO 6330: 2012 Procedure 6N (60°C) with tumble drying (Procedure F) (max. 60°C outlet temperature), where required.

The full details of the test(s) and the result(s) are given in our Report(s):

Report Number: E-016891/B1
Dated: 22 February 2021

Authorised by

A Newton
Senior Customer Service Officer

Authorised by

M T Healey
Principal Technician

Dated: 22nd February 2021

BTTG®, Unit 6 Wheel Forge Way, Trafford Park, Manchester, M17 1EH, United Kingdom
Tel: +44 (0)161 876 4211 email: ppe@bttg.co.uk website: www.bttg.co.uk

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EN 61482-1-2: 2015 (IEC 61482-1-2: 2014)

Certificate of Test

Client

Tomax Protection Technology Inc.

High-Tech District
No. 200 Deyuan West Road
Xinxiang
China

Sample Description:

Navy coloured woven fabric

Identified as:

TM-COA350; 99% Cotton / 1% Antistatic; Navy; 350gsm

Has been tested by BTTG® according to the above mentioned specification and complies with the following:

Box test method Class 1 (4 kA) PASS

Pre-treatment five wash/dry cycles according to EN ISO 6330: 2012 Procedure 6N (60°C) with tumble drying (Procedure F) (max. 60°C outlet temperature).

The full details of the test(s) and the result(s) are given in our Report(s):

Report Number: E-016891/C1
Dated: 22 February 2021

Authorised by

M T Healey
Principal Technician

Authorised by

P Hutchings
Client Support Specialist

Dated: 22nd February 2021

BTTG®, Unit 6 Wheel Forge Way, Trafford Park, Manchester, M17 1EH, United Kingdom
Tel: +44 (0)161 876 4211 email: ppe@bttg.co.uk website: www.bttg.co.uk

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CERTIFICATE OF TEST

Certificate of test nº **24CN0667**

AITEX declares that the articles:

"TM-COMSTAR 210"
Information supplied by the customer:
Composition and percentage: 99% Cotton, 1% Antistatic
Weight: 210 gsm
Color: Navy

Given by the company:

TOMAX PROTECTION TECHNOLOGY INC

No.200 Deyuan West Road, High-tech District
CN-453000
XINXIANG

Complies with the requirements of the standard/s:

EN ISO 11612:2015. PROTECTIVE CLOTHING. CLOTHING TO PROTECT AGAINST HEAT AND FLAME.

	TEST	RESULTS		REQUIREMENTS	REPORT No.
Clause 6.2.1	Heat resistance (180)ºC after 5 washing cycles	Warp: -0,3 %	Weft: +0,3 %	No ignite, no melt and no shrink by more than 5%	2024CN0665
Clause 6.3	Limited flame spread as received and after 5 washing cycles (Procedure A)	A1		No specimen must ignite toward the top or toward the edges No specimen shall give hole formation of 5 mm or greater in any direction No specimen shall give flaming or molten debris The afterflame time is ≤ 2 s The afterglow time is ≤ 2 s	2024CN0665
	Limited flame spread as received and after 5 washing cycles (Procedure B)	A2		No specimen must ignite toward the top or toward the edges No specimen shall give flaming or molten debris The afterflame time is ≤ 2 s The afterglow time is ≤ 2 s	2024CN0665
Clause 6.4	Dimensional change after 5 washing cycles	Warp: -1,0 %	Weft: -1,0 %	≤ ± 3%	2024CN0665
Clause 6.5.1	Tensile strength after 5 washing cycles	Warp: 980 N	Weft: 410 N	≥ 300 N	2024CN0665
Clause 6.5.2	Tear strength after 5 washing cycles	Warp: 37,4 N	Weft: 31,2 N	≥ 10 N	2024CN0665
Clause 7.2	Convective heat after 5 washing cycles	Level B1 HTI^a 24: 5,2 s		Level B1 4 ≤ HTI^a 24 < 10	2024CN0665
Clause 7.3	Radiant heat after 5 washing cycles	Level C1 RHTI^a 24: 13,0 s		Level C1 7 ≤ RHTI^a 24 < 20	2024CN0665
Clause 7.6	Contact heat after 5 washing cycles	Level F1 t_t: 7,4 s		Level F1 5 ≤ t_t < 10	2024CN0665

Remark: washing instructions according to Standard EN ISO 6330:2021, method 4N and type F drying (type A1 tumble drying).

The test results above indicated are shown in the testing report:

2024CN0665

Issued by AITEX on: 23/08/2024.
This document is of application for the tested sample, according to the tests that have been done in the previously mentioned dates in the reports above shown. This does not implies any monitoring or control activity on this product done by AITEX.

This document is a test summary and does not imply a product certification.

Signed by: Lucía Martínez
Head of PPE and Ballistic department

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CERTIFICATE OF TEST

Certificate of test nº **24CN0667**

AITEX declares that the articles:

"TM-COMSTAR 210"
Information supplied by the customer:
Composition and percentage: 99% Cotton, 1% Antistatic
Weight: 210 gsm
Color: Navy

Given by the company:

TOMAX PROTECTION TECHNOLOGY INC

No.200 Deyuan West Road, High-tech District
CN-453000
XINXIANG

Complies with the requirements of the standard/s:

EN ISO 11611:2015. PROTECTIVE CLOTHING. CLOTHING TO PROTECT AGAINST HEAT AND FLAME.

	TEST	RESULTS		REQUIREMENTS	REPORT No.
Clause 6.3	Tear strength after 5 washing cycles	Warp: 37,4 N	Weft: 31,2 N	≥ 15 N	2024CN0665
Clause 6.7	Limited flame spread as received and after 5 washing cycles (Procedure A)	A1		No specimen must ignite toward the top or toward the edges No specimen shall give hole formation of 5 mm or greater in any direction No specimen shall give flaming or molten debris The afterflame time is ≤ 2 s The afterglow time is ≤ 2 s	2024CN0665
	Limited flame spread as received and after 5 washing cycles (Procedure B)	A2		No specimen must ignite toward the top or toward the edges No specimen shall give flaming or molten debris The afterflame time is ≤ 2 s The afterglow time is ≤ 2 s	2024CN0665
Clause 6.6	Dimensional change after 5 washing cycles	Warp: -1,0 %	Weft: -1,0 %	≤ ± 3%	2024CN0665
Clause 6.8	Small splashes of molten metal after 5 washing cycles	Class 1 16 drops		Class 1 15 ≤ drops < 25	2024CN0665
Clause 6.9	Radiant heat after 5 washing cycles	Class 1 RHTI^a 24: 13,0 s		Class 1 7 ≤ RHTI^a 24 < 16	2024CN0665
Clause 6.10	Electrical insulation after 5 washing cycles	$1{,}30 \cdot 10^7\ \Omega$		$> 10^5\ \Omega$	2024CN0665

EN 1149-5:2018. PROTECTIVE CLOTHING. ELECTROSTATIC PROPERTIES. PART 5 MATERIAL PERFORMANCE AND DESIGN REQUIREMENTS.

TEST		RESULTS	REQUIREMENTS	REPORT No.
EN 1149-3:2004	Charge Decay test (Method 2) after 5 washing cycles	S = 0,8 t_{50} < 0,01 s	S > 0,2 or t_{50} < 4 s	2024CN0665

Remark: washing instructions according to Standard EN ISO 6330:2021, method 4N and type F drying (type A1 tumble drying).

The test results above indicated are shown in the testing report:

2024CN0665

Issued by AITEX on: 23/08/2024.
This document is of application for the tested sample, according to the tests that have been done in the previously mentioned dates in the reports above shown. This does not implies any monitoring or control activity on this product done by AITEX.

This document is a test summary and does not imply a product certification.

Signed by: Lucía Martínez
Head of PPE and Ballistic department

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CERTIFICATE OF TEST

Certificate of test nº **24CN0667**

AITEX declares that the articles:

"TM-COMSTAR 210"
Information supplied by the customer:
Composition and percentage: 99% Cotton, 1% Antistatic
Weight: 210 gsm
Color: Navy

Given by the company:

TOMAX PROTECTION TECHNOLOGY INC

No.200 Deyuan West Road, High-tech District
CN-453000
XINXIANG

Complies with the requirements of the standard/s:

EN 61482-2:2020. PROTECTIVE CLOTHING AGAINST THE THERMAL HAZARDS OF AN ELECTRIC ARC. REQUIREMENTS

	TEST	RESULTS		REQUIREMENTS	REPORT No.
Clause 4.3.1	Heat resistance (180± 5)ºC after 5 washing cycles	PASS		Test samples shall not ignite or melt, and fabrics and leather also not shrink by more than 5%.	2024CN0665
Clause 4.3.2	Volume resistance after 5 washing cycles	$1{,}76 \cdot 10^6\ \Omega$		The volume resistance of the assembly material shall be greater than > $10^5\ \Omega$	2024CN0665
Clause 4.4.3	Limited flame spread after 5 washing cycles	PASS		No specimen presents flaming or molten debris No hole afterflame time ≤ 2 s afterglow time ≤ 2 s	2024CN0665
Clause 4.3.4.1	Tear Resistance after 5 washing cycles	Warp: 37,4 N	Weft: 31,2 N	Outer materials shall have a minimum tear strength of 15 N for woven	2024CN0665
Clause 4.3.5	Dimensional change after 5 washing cycles	Warp: -1,0 %	Weft: -1,0 %	Changes of dimension due to cleaning shall not exceed 3% for woven materials and 5% for knitted material and nonwovens.	2024CN0665
Clause 4.4.3	Determination of Arc Protection Class using a constrained and directed arc (box test) after 5 washing cycles	Arc Protection Class (APC) 1		Arc Protection Class (APC) 1	2024CN0665

Remark: washing instructions according to Standard EN ISO 6330:2021, method 4N and type F drying (type A1 tumble drying).

The test results above indicated are shown in the testing report:

2024CN0665

Issued by AITEX on: 23/08/2024.
This document is of application for the tested sample, according to the tests that have been done in the previously mentioned dates in the reports above shown. This does not implies any monitoring or control activity on this product done by AITEX.

This document is a test summary and does not imply a product certification.

Signed by: Lucía Martínez
Head of PPE and Ballistic department

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CERTIFICATE OF TEST

Certificate of test nº **24CN0668**

AITEX declares that the articles:

"TM-COMSTAR 280"
Information supplied by the customer:
Composition and percentage: 99% Cotton, 1% Antistatic
Weight: 280 gsm
Color: Navy

Given by the company:

TOMAX PROTECTION TECHNOLOGY INC

No.200 Deyuan West Road, High-tech District
CN-453000
XINXIANG

Complies with the requirements of the standard/s:

EN ISO 11612:2015. PROTECTIVE CLOTHING. CLOTHING TO PROTECT AGAINST HEAT AND FLAME.

	TEST	RESULTS		REQUIREMENTS	REPORT No.
Clause 6.2.1	Heat resistance (180)ºC after 5 washing cycles	Warp: 0 %	Weft: 0 %	No ignite, no melt and no shrink by more than 5%	2024CN0666
Clause 6.3	Limited flame spread as received and after 5 washing cycles (Procedure A)	A1		No specimen must ignite toward the top or toward the edges No specimen shall give hole formation of 5 mm or greater in any direction No specimen shall give flaming or molten debris The afterflame time is ≤ 2 s The afterglow time is ≤ 2 s	2024CN0666
	Limited flame spread as received and after 5 washing cycles (Procedure B)	A2		No specimen must ignite toward the top or toward the edges No specimen shall give flaming or molten debris The afterflame time is ≤ 2 s The afterglow time is ≤ 2 s	2024CN0666
Clause 6.4	Dimensional change after 5 washing cycles	Warp: -3,0 %	Weft: +1,0 %	≤ ± 3%	2024CN0666
Clause 6.5.1	Tensile strength after 5 washing cycles	Warp: 1200 N	Weft: 550 N	≥ 300 N	2024CN0666
Clause 6.5.2	Tear strength after 5 washing cycles	Warp: 35,3 N	Weft: 28,6 N	≥ 10 N	2024CN0666
Clause 7.2	Convective heat after 5 washing cycles	Level B1 HTI^a 24: 5,9 s		Level B1 4 ≤ HTI^a 24 < 10	2024CN0666
Clause 7.3	Radiant heat after 5 washing cycles	Level C1 RHTI^a 24: 13,8 s		Level C1 7 ≤ RHTI^a 24 < 20	2024CN0666
Clause 7.6	Contact heat after 5 washing cycles	Level F1 t_1: 7,4 s		Level F1 5 ≤ t_1 < 10	2024CN0666

Remark: washing instructions according to Standard EN ISO 6330:2021, method 4N and type F drying (type A1 tumble drying).

The test results above indicated are shown in the testing report:

2024CN0666

Issued by AITEX on: 26/08/2024.
This document is of application for the tested sample, according to the tests that have been done in the previously mentioned dates in the reports above shown. This does not implies any monitoring or control activity on this product done by AITEX.

This document is a test summary and does not imply a product certification.

Signed by: Lucía Martínez
Head of PPE and Ballistic department

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aitex
textile research institute

CERTIFICATE OF TEST

Certificate of test nº **24CN0668**

AITEX declares that the articles:

"TM-COMSTAR 280"
Information supplied by the customer:
Composition and percentage: 99% Cotton, 1% Antistatic
Weight: 280 gsm
Color: Navy

Given by the company:

TOMAX PROTECTION TECHNOLOGY INC

No.200 Deyuan West Road, High-tech District
CN-453000
XINXIANG

Complies with the requirements of the standard/s:

EN ISO 11611:2015. PROTECTIVE CLOTHING. CLOTHING TO PROTECT AGAINST HEAT AND FLAME.

	TEST	RESULTS		REQUIREMENTS	REPORT No.
Clause 6.2	Tensile strength after 5 washing cycles	Warp: 1200 N	Weft: 550 N	≥ 400 N	2024CN0666
Clause 6.3	Tear strength after 5 washing cycles	Warp: 35,3 N	Weft: 28,6 N	≥ 15 N	2024CN0666
Clause 6.7	Limited flame spread as received and after 5 washing cycles (Procedure A)	A1		No specimen must ignite toward the top or toward the edges No specimen shall give hole formation of 5 mm or greater in any direction No specimen shall give flaming or molten debris The afterflame time is ≤ 2 s The afterglow time is ≤ 2 s	2024CN0666
	Limited flame spread as received and after 5 washing cycles (Procedure B)	A2		No specimen must ignite toward the top or toward the edges No specimen shall give flaming or molten debris The afterflame time is ≤ 2 s The afterglow time is ≤ 2 s	2024CN0666
Clause 6.6	Dimensional change after 5 washing cycles	Warp: -3,0 %	Weft: +1,0 %	≤ ± 3%	2024CN0666
Clause 6.8	Small splashes of molten metal after 5 washing cycles	Class 1 19 drops		Class 1 15 ≤ drops < 25	2024CN0666
Clause 6.9	Radiant heat after 5 washing cycles	Class 1 RHTI$_{24}$: 13,8 s		Class 1 7 ≤ RHTI$_{24}$ < 16	2024CN0666
Clause 6.10	Electrical insulation after 5 washing cycles	$2{,}91 \cdot 10^{7}$ Ω		> 10^{5} Ω	2024CN0666

EN 1149-5:2018. PROTECTIVE CLOTHING. ELECTROSTATIC PROPERTIES. PART 5 MATERIAL PERFORMANCE AND DESIGN REQUIREMENTS.

	TEST	RESULTS	REQUIREMENTS	REPORT No.
EN 1149-3:2004	Charge Decay test (Method 2) after 5 washing cycles	S = 0,8 t_{50} < 0,01 s	S > 0,2 or t_{50} < 4 s	2024CN0666

Remark: washing instructions according to Standard EN ISO 6330:2021, method 4N and type F drying (type A1 tumble drying).

The test results above indicated are shown in the testing report:

2024CN0666

Issued by AITEX on: 26/08/2024.
This document is of application for the tested sample, according to the tests that have been done in the previously mentioned dates in the reports above shown. This does not implies any monitoring or control activity on this product done by AITEX.

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Signed by: Lucía Martínez
Head of PPE and Ballistic department

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textile research institute

CERTIFICATE OF TEST

Certificate of test nº 24CN0668

AITEX declares that the articles:

"TM-COMSTAR 280"
Information supplied by the customer:
Composition and percentage: 99% Cotton, 1% Antistatic
Weight: 280 gsm
Color: Navy

Given by the company:

TOMAX PROTECTION TECHNOLOGY INC

No.200 Deyuan West Road, High-tech District
CN-453000
XINXIANG

Complies with the requirements of the standard/s:

EN 61482-2:2020. PROTECTIVE CLOTHING AGAINST THE THERMAL HAZARDS OF AN ELECTRIC ARC. REQUIREMENTS

	TEST	RESULTS		REQUIREMENTS	REPORT No.
Clause 4.3.1	Heat resistance (180± 5)ºC after 5 washing cycles	PASS		Test samples shall not ignite or melt, and fabrics and leather also not shrink by more than 5%.	2024CN0666
Clause 4.3.2	Volume resistance after 5 washing cycles	$1{,}44 \cdot 10^{8}$ Ω		The volume resistance of the assembly material shall be greater than > 10^{5} Ω	2024CN0666
Clause 4.4.3	Limited flame spread after 5 washing cycles	PASS		No specimen presents flaming or molten debris No hole afterflame time ≤ 2 s afterglow time ≤ 2 s	2024CN0666
Clause 4.3.4.1	Tear Resistance after 5 washing cycles	Warp: 35,3 N	Weft: 28,6 N	Outer materials shall have a minimum tear strength of 15 N for woven	2024CN0666
Clause 4.3.4.2	Tensile strength after 5 washing cycles	Warp: 1200 N	Weft: 550 N	Woven outer materials shall have a minimum tensile strength of 400 N	2024CN0666
Clause 4.3.5	Dimensional change after 5 washing cycles	Warp: -3,0 %	Weft: +1,0 %	Changes of dimension due to cleaning shall not exceed 3% for woven materials and 5% for knitted material and nonwovens.	2024CN0666
Clause 4.4.3	Determination of Arc Protection Class using a constrained and directed arc (box test) after 5 washing cycles	Arc Protection Class (APC) 1		Arc Protection Class (APC) 1	2024CN0666

Remark: washing instructions according to Standard EN ISO 6330:2021, method 4N and type F drying (type A1 tumble drying).

The test results above indicated are shown in the testing report:

2024CN0666

Issued by AITEX on: 26/08/2024.
This document is of application for the tested sample, according to the tests that have been done in the previously mentioned dates in the reports above shown. This does not implies any monitoring or control activity on this product done by AITEX.

This document is a test summary and does not imply a product certification.

Signed by: Lucía Martínez
Head of PPE and Ballistic department

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Certificate of Compliance

Certificate Number:
20250902-MH63679

Report Reference:
MH63679-20230420

Issue Date:
2025-09-02

Issued to:

TOMAX PROTECTION TECHNOLOGY INC.
NO.200 DEYUAN WEST ROAD
XINXIANG, HENAN, 453700
CHINA

This certificate confirms that representative samples of:

Flame-Resistant Clothing for Protection of Industrial Personnel Against Short-Duration Thermal Exposures from Fire - Garment

Refer to the Addendum Pages for UL Certified Products

Has been evaluated by UL LLC in accordance with Standard(s) for Safety:

NFPA 2112, Standard on Flame-Resistant Clothing for Protection of Industrial Personnel Against Short-Duration Thermal Exposures from Fire, Edition 2023

Additional Information:
See UL Product iQ® at https://iq.ulprospector.com for additional information.

This Certificate of Compliance indicates that representative samples of the product described in the certification report have met the requirements for UL certification. It does not provide authorization to apply the UL Mark. Only the Authorization Page that references the Follow-Up Services Procedure for ongoing surveillance provides authorization to apply the UL Mark.

Only those products bearing the UL Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Certification Mark on the product.

David Piecuch
UL Mark Certification Program Owner

Certificate of Compliance

Certificate Number: 20250902-MH63679
Report Reference: MH63679-20230420
Issue Date: 2025-09-02

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements.

Certified Products:

Type	Model	Closure System
Protective garments:		
Coveralls	F00L063, F00L072, F00L064, F00L095, F00L160	Zipper Front Closure with Snap Fasteners, Hook and Loop Fasteners or Buttons
Shirt	F00J075, F00J096, F00J097	Button Front Closure
Henley	F00J061, F00J098	Button or Snap Fastener Front Closure
Crew Neck T-Shirt	F00J060, F00J099, F00J168	Pullover Style
Hoodie	F00J094, F00J169	Pullover Style
	F00J100, F00J093, FR009, F00J161, F00J170, F00J171	Zipper Front Closure
Jeans-style pants	FR014, F00P101	Zipper Front Closure with Buttons or Snap Fasteners
Cargo pants	F00P062	Zipper Front Closure with Buttons or Snap Fasteners
Insulated Bomber	F00J102, F00J103	Zipper Front Closure with Snap Fasteners
Insulated Parka	F00J104, F00J105, F00J110, F00J111	Zipper Front Closure with Snap Fasteners
Insulated Bib Pants	F00B106, F00B107, F00B112, F00B113, F00B159	Zipper Front Closure with Single Snap Fastener
Insulated Coveralls	F00L108	Zipper Front Closure with Snap Fasteners, Hook and Loop Fasteners or Buttons
Vest	F00V137	Snap Fastener Front Closure
	F00V138	Zipper Front Closure
Bib Overall	F00B163	Encapsulated Elastics with Buckles
Jacket	F00J162	Zipper Front Closure with Snap Fasteners, Hook and Loop Fasteners or Buttons
Insulated Jacket	F00J157, F00J158	Zipper Front Closure with Snap Fasteners, Hook and Loop Fasteners or Buttons

Model	Closure System
Protective Hood/Shroud/Balaclava:	
FR012	Single-layer or Double-layer Balaclava

Certificate of Compliance

Certificate Number:
20250702-MH63679

Report Reference:
MH63679-20210323

Issue Date:
2025-07-02

Issued to:

TOMAX PROTECTION TECHNOLOGY INC
NO.200 DEYUAN WEST ROAD
XINXIANG, HENAN, 453700
CHINA

This certificate confirms that representative samples of:

Component – Flame-Resistant Clothing for Protection of Industrial Personnel Against Short-Duration Thermal Exposures from Fire
Refer to Page 2 of this Certificate for UL Recognized Products

Have been evaluated by UL in accordance with the component requirements in the Standard(s) indicated on this Certificate. UL Recognized components are incomplete in certain constructional features or restricted in performance capabilities and are intended for installation in complete equipment submitted for investigation to UL LLC.

NFPA 2112, Standard on Flame-Resistant Clothing for Protection of Industrial Personnel Against Short-Duration Thermal Exposures from Fire, 2023 Edition

Additional Information:
See UL Product iQ® at https://iq.ulprospector.com for additional information.

This Certificate of Compliance indicates that representative samples of the product described in the certification report have met the requirements for UL certification. It does not provide authorization to apply the UL Recognized Component Mark. Only the Authorization Page that references the Follow-Up Services Procedure for ongoing surveillance provides authorization to apply the UL Mark.

Only those products bearing the UL Recognized Component Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Recognized Component Mark on the product.

David Piecuch
UL Mark Certification Program Owner

Certificate of Compliance

Certificate Number: 20250702-MH63679
Report Reference: MH63679-20210323
Issue Date: 2025-07-02

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements.

Certified Outer Shell Fabrics:

Model Designation	Nominal Weight (oz/yd²)	Material Composition	Weave/Knit	Finish
TM990107	7.0	99% Cotton/1% Spandex	Twill	FR
TM-COMSTAR	7.5	87% Cotton/12% Nylon/1% Antistatic	Twill	FR
TM-STRETCH DENIM	10.5	98% Cotton/2% Spandex Denim	Twill	FR
TME-COMFORT N 350 C	10.0	86% Cotton/12% Nylon/2% Spandex	Canvas	N/A
TM-COMFORT N220	6.5	88% Cotton/12% Nylon	Satin	FR
TMKE-COMFORT 400	12.0	95% Cotton/5% Spandex	Fleece	FR
TMK-MOCO 220	6.5	50% Modacrylic/37% Cellulose/8% Polyarylate/5% Nylon	Interlock	N/A
TMK-MOCO 400	12.0	50% Modacrylic/37% Cellulose/8% Polyarylate/5% Nylon	Fleece	N/A

Certified Cold Weather Insulation Materials:

Style Designation	Weight (oz/yd²)	Material Composition
TMX-FRB2	11.0	100% Cotton Facecloth quilted to 100% Modacrylic Batting with a scrim, Diamond Pattern Quilting

Certified Other Textile Materials:

Style Designation	Weight (oz/yd²)	Material Composition
TMK-MOCO 220R	6.5	50% Modacrylic/37% Cellulose/8% Polyarylate/5% Nylon, Rib Knit
TMK-MOCO 400R	12.0	50% Modacrylic/37% Cellulose/8% Polyarylate/5% Nylon, Rib Knit

F00J178 FR Jacket
F00P179 FR Pants

F00J180 FR Jacket
F00P181 FR Pants

F00J120 FR Jacket
F00P123 FR Pants

F00J117 FR Sweatshirt

F00J118 FR Polo Shirt

F00J119 FR Shirt
F00P121 FR Pants

F00J122 FR Jacket

FR013 Jacket

F00J173 FR T-Shirt
F00P135 FR Pants

F00L136 FR Overalls

F00J164 FR Underwear
F00P165 FR Underwear

F00J166 FR Underwear
F00P167 FR Underwear

F00J141 FR Jacket
F00P142 FR Pants

F00J175 FR Jacket

F00J143 FR Jacket

F00P144 FR Bib Pants

F00J145 FR Jacket

F00J146 FR Jacket

F00P147 FR Bib Pants

F00J148 FR Jacket

F00J079 FR Jacket

F00P080 FR Pants

F00L049 FR Overalls

F00L050 FR Overalls

F00J059 FR Shirt

TMFR59 Jacket
TMFR60 Pants

TMFR61 BIB Pants

TMFR62 Overall

TMFR31 Overall

TMFR36 Winter Overall

TMFR37 Winter BIB Pants

TMFR38 Winter Jacket

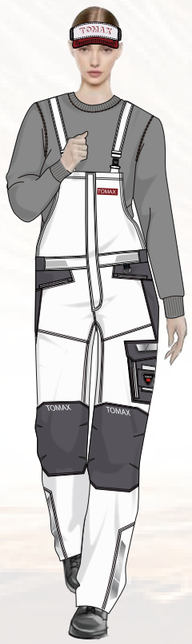
P00J056 Jacket
P00P041 Pants

P00J176 Jacket

P00J083 Jacket

P00J082 Jacket

P00P132 Pants



P00B134 Bib Pants

P00J128 Jacket
P00P129 Pants

F00P182 Pants

FR ULTIMATE STRETCH

Crafted for modern professionals who demand both superior protection and complete freedom, our FR ULTIMATE STRETCH series redefines workwear with:

● Intelligent Flexibility: Ultimate stretch fabric moves naturally with your body

● Comprehensive Protection: Engineered for multi-hazard defence without compromising comfort

● Endurance-Optimized Design: Breathable, lightweigtht fabric withstands the most demanding shifts
Move without limits. Work without compromise. Protection perfected.

EN11611

EN11612

EN1149

EN 20471

IEC 61482

EN13034

ELASTICITY

ULTIMATE STRETCH WORKWEAR

F00J178

Inherent FR Hivis Ultimate Stretch Jacket

Features:
LOXY® Heat sealed FR segmented reflective stripes for safety and greater comfort.
Concealed front zip with flap and velcro closure.
Two chest pockets with flap and zip closure.
Two lower inset pockets with zip closure.
Width-adjustable cuffs with Velcro fasteners.

F00P179

Inherent FR Hi-vis Ultimate stretch trousers with holster pockets

Features:
LOXY® Heat sealed FR segmented reflective stripes for safety and greater comfort.
Zip-off holster pockets for added versatility.
Cargo pocket with flap on top and extra zipper pocket on the side
Double ruler pocket with tool pockets.
Shaped knees with kneepad pockets in stretch zones.
Back pockets with flaps.

Description:
Next-generation FR workwear features the 280g/m²Inherent FR High-Visibility stretch fabric for the main body, enhanced with navy blue four-way stretch panels in critical mobility zones.

- **Dual stretch performance: Both fabrics offer superior elasticity.**
- **Maximum freedom of movement: Strategic stretch panels provide exceptional comfort and unrestricted mobility for bending, kneeling, and reaching.**
- **Maintained core protection: Delivers essential protection against Welding, Flame & Heat, Electric Arc, Anti-static, Liquid chemicals and High Visibility.**

Description:

- Next-generation FR jacket features the navy blue four-way stretch which offers superior elasticity.

- Maximum freedom of movement: It provides exceptional comfort and unrestricted mobility for bending, kneeling, and reaching.

- Maintained core protection: Delivers essential protection against Welding, Flame & Heat, Electric Arc, liquid chemicals and Anti-static.

ULTIMATE STRETCH WORKWEAR

EN11611

EN11612

EN1149

IEC 61482

EN13034

ELASTICITY

F00J180

Inherent FR Hivis Ultimate Stretch Jacket

Features:
Heat transferred FR reflective elements for safety.
Concealed front zip with flap and velcro closure.
Two chest pockets with flap and zip closure.
Two lower inset pockets with zip closure.
Width-adjustable cuffs with Velcro fasteners.

F00P181

Inherent FR Hi-vis Ultimate stretch trousers with holster pockets

Features:
LOXY® Heat sealed FR segmented reflective stripes for safety and greater comfort.
Zip-off holster pockets for added versatility.
Cargo pocket with flap on top and extra zipper pocket on the side
Double ruler pocket with tool pockets.
Shaped knees with kneepad pockets in stretch zones.
Back pockets with flaps.

A new generation of FR protective clothes with extreme mobility.

Fabric:
Inherent FR high visibility stretch fabric 330g/m² twill.
Risk assessment:
Welding, Flame and heat, Electric Arc, Anti-static, High visibility.

F00J120

Inherent FR Hi-vis stretch jacket

Features:
LOXY® Heat sealed FR segmented reflective stripes for safety
and greater comfort.
Concealed front zip with flap and velcro closure.
Two chest pockets with flap and zip closure.
Two lower inset pockets with zip closure.
Width-adjustable cuffs with Velcro fasteners.

F00P121

Inherent FR Hi-vis stretch trousers

Features:
LOXY® Heat sealed FR segmented reflective stripes for safety and greater comfort.
Side pockets with flaps.
Cargo pocket with mobile phone pocket and with flap.
Double ruler pocket with tool pockets.
Shaped knees with kneepad pockets in stretch zones.
Back pockets with flaps.

F00P123

Inherent FR Hi-vis stretch trousers with holster pockets

Features:
LOXY® Heat sealed FR segmented reflective stripes for safety and greater comfort.
Side pockets with flaps.
Zip-off holster pockets for added versatility.
Cargo pocket with mobile phone pocket and with flap.
Double ruler pocket with tool pockets.
Shaped knees with kneepad pockets in stretch zones.
Back pockets with flaps.

EN11611

EN11612

EN1149

EN 20471

IEC 61482

ELASTICITY

F00J119

Inherent FR Hi-vis T-shirt

Description:
Fabric: Inherent FR high visibility Pique 60% Modacrylic 39% cotton 1% anti-static 210gsm.

Features:
LOXY® Heat sealed FR segmented reflective stripes for safety and greater comfort.
Ribbed cuffs for added comfort.
Concealed button closure.
Contrasting colouring for fashionable style.

EN11612

EN1149

EN 20471

IEC 61482

ELASTICITY

F00J118

Inherent FR Hi-vis Polo shirt

Description:
Fabric: Inherent FR high visibility Pique 60% Modacrylic 39% cotton 1% anti-static 210gsm.

Features:
LOXY® Heat sealed FR segmented reflective stripes for safety and greater comfort.
Ribbed cuffs for added comfort.
Concealed button closure.
Contrasting colouring for fashionable style.

F00J117

Inherent FR Hi-vis sweatshirt

Description:
Fabric: Inherent FR high visibility fleece 60% Modacrylic 39% cotton 1% anti-static 280gsm.
A new generation of FR protective clothes with extreme comfort.

Risk assessment:
Flame and heat, Electric Arc, Anti-static, High visibility.

Features:
LOXY® Heat sealed FR segmented reflective stripes for safety and greater comfort.
Ribbed cuffs for added comfort.
Concealed 1/4 zip closure.
Contrasting colouring for fashionable style.

- **FR softshell fabric with face side 100% polyester and back side 60% Modacrylic 39% cotton and 1% anti-static, 350g/m².**
- **Multinorm Softshell jacket is constructed from a highly protective 3 layer softshell fabric.**
- **Using Modacrylic and carbon fibre elements, this softshell provides flame, chemical, anti-static and high visibility protection.**

EN11611

EN11612

EN1149

EN 20471

IEC 61482

EN13034

ELASTICITY

F00J122

FR softshell jacket

Features:
LOXY® Heat sealed FR segmented reflective stripes for safety and greater comfort.
Concealed front zip with double storm flap with velcro closure.
Two chest pockets with flap and zip closure.
Two lower inset pockets with zip closure.
Detachable and size-adjustable hood with spring fasteners.
Width-adjustable cuffs with Velcro fasteners.

FR013

FR softshell jacket

Concealed front zipper and flap and Velcro fasteners.
Right chest pocket with flap and V elcro closure.
Left chest pocket with zipper closure.
2 side pockets.
Width-adjustable cuffs with Velcro fasteners.
Detachable and size-adjustable hood with spring fasteners.
Segmented heat reflective tapes,50mm.

A new generation of FR protective clothes with extreme comfort.

Risk assessment: Welding, Flame and heat, Electric Arc, Anti-static, High visibility.

F00J173

Inherent FR Hi-vis Orange T-shirt

Description:
Fabric: Inherent FR high visibility Modacrylic / Polyester / Aramid / Polyamide / Cellulose / Anti-static 260gsm.
A new generation of FR protective clothes with extreme comfort.
Risk assessment: Flame and heat, Electric Arc, Anti-static, High visibility.

Features:
LOXY® Heat sealed FR segmented reflective stripes for safety and greater comfort.
Ribbed collar and cuffs for added comfort.
Concealed button closure.
Contrasting colouring for fashionable style.

EN11612 EN1149 IEC 61482 EN 20471 RIS-3279-TOM ELASTICITY

F00P135

FR Hi-vis Orange Trousers

Description:
Fabric: Inherent FR high visibility orange fabric 260g/m2.

Features:
LOXY® Heat sealed FR segmented reflective stripes for safety and greater comfort.
Side pockets with flaps.
Cargo pocket with mobile phone pocket and with flap.
Double ruler pocket with tool pockets.
Shaped knees with knee pad pockets.
Back pockets with flaps.

F00L136

FR Hi-vis Orange Coverall

Description:
Fabric: Inherent FR high visibility orange fabric 320g/m2.

Features:
LOXY® Heat sealed FR segmented reflective stripes for safety and greater comfort.
Concealed two-way zip and FR velcro on front closure.
Chest pockets with zips.
Adjustable cuffs.
Side pockets with flaps.
Cargo pocket with mobile phone pocket and with flap.
Double ruler pocket with tool pockets.
Shaped knees with knee pad pockets.
Back pockets with flaps.

EN11611
EN11612
EN1149
EN 20471
IEC 61482
EN13034
RIS-3279-TOM

Fabric : 76% FR Lenzing 20% Aramid
2% anti-static 2% elastane 180gsm

Provides reliable protection against thermal hazards, suitable for work scenarios with potential heat risks.
Features good thermal protection performance, capable of handling heat risks in daily work environments.

F00J164

FR Underwear

Features:
4 needle 6 thread cover stitching
Conforms to ergonomics,with segmented cutting and
high fitting
Fashionable printed waist belt
Sewn with aramid threads

F00P165

FR Underwear

Features:
4 needle 6 thread cover stitching
Conforms to ergonomics,with segmented cutting and
high fitting
Fashionable printed waist belt
Sewn with aramid threads

EN11612

EN1149

IEC 61482

ELASTICITY

F00J166

FR Underwear

Features:
4 needle 6 thread cover stitching
Conforms to ergonomics,with segmented cutting and
high fitting
Fashionable printed waist belt
Sewn with aramid threads

F00P167

FR Underwear

Features:
4 needle 6 thread cover stitching
Conforms to ergonomics,with segmented cutting and
high fitting
Fashionable printed waist belt
Sewn with aramid threads

EN11611

EN11612

EN1149

IEC 61482

F00J141

FR cotton stretch jacket

Description:
Fabric: FR 97% Cotton 2% Elastane
1% Anti-static 300g/m² Satin.
A new generation of FR protective clothes with extreme mobility.
Risk assessment:
Welding, Flame and heat,
Electric Arc, Anti-static.

Features:
Heat sealed FR segmented reflective stripes for safety and greater comfort.
Concealed front zip with double flap with velcro closure.
Left chest pocket with flap and zip closure.
Two lower inset pockets with zip closure.
Ergonomic sleeves with velcro adjustment on cuffs.

F00P142

FR cotton stretch trousers

Description:
Fabric: FR 97% Cotton 2% Elastane
1% Anti-static 300g/m² Satin.
A new generation of FR protective clothes with extreme mobility.
Risk assessment:
Welding, Flame and heat,
Electric Arc, Anti-static.

Features:
Heat sealed FR segmented reflective stripes for safety and greater comfort.
Side pockets with flaps and button closure.
Cargo pocket with mobile phone pocket and with flap.
Shaped knees with kneepad pockets in stretch zones.
Back pockets with flaps.

FR RAINWEAR

Designed for superior protection,
features high-visibility,
flame-retardant properties,
and chemical splash, and electrical
arc flash, making
it ideal for professionals working
in hazardous environments.

Its advanced waterproof and breathable
technology ensures you stay dry
and comfortable
during inclement weather.

F00J175

FR Multinorm Shell Jacket

Description:
Outer shell: 50% Modacrylic, 41% cotton, 7% PU, 2% anti-static fibre, 2-layer laminate, weight: 270gsm.
Lining: 50% aramide, 50% viscose, weight: 130gsm
Inherent flame protection.

Designed for superior protection, this jacket features high-visibility, flame-retardant properties, and chemical splash, and electrical arc flash, making it ideal for professionals working in hazardous environments.

Its advanced waterproof and breathable technology ensures you stay dry and comfortable during inclement weather.

Features:
Front closure with velcro and metal free zip.
Two chest pockets with flaps and metal free zips.
Cuffs with adjustable velcro.
Wide hood with elastic provide comfort and fit different head sizes.
Removable hood with zipper.
Ergonomics segment design.
5cm width FR segmented reflective tape.
All seams are taped.

EN11611

EN11612

EN1149

EN 20471

IEC 61482

EN13034

4 - 4
EN 343

Materials:
3-Layer fabric: Ripstop polyester & antistatic fabric
+ breathable FR PU membrane + inherent FR knitting, 300gsm.

F00J143

FR 3-layer Multinorm Rain Jacket

Features:
Front closure with velcro and metal free zip.
Front phone pocket with flap and metal free zips.
Two side pockets with flaps and metal free zips.
Cuffs with adjustable velcro.
A wide hood with elastic provide comfort and fit different head sizes.
Removable hood with zipper.
Ergonomics segment design.
5cm width FR segmented reflective tape.
All seams are taped.

F00J145

FR 3-layer Multinorm Rain Jacket

Features:
Front closure with velcro and metal free zip.
Front phone pocket with flap and metal free zips.
Two side pockets with flaps and metal free zips.
Cuffs with adjustable velcro.
A wide hood with elastic provide comfort and fit different head sizes.
Removable hood with zipper.
Ergonomics segment design.
5cm width FR segmented reflective tape.
All seams are taped.

F00B144

FR 3-layer Multinorm Rain Bib-pants

Features:
Front closure with velcro and metal free zip.
Two side pockets with flaps and metal free zips.
Two back pockets and one cargo pocket with flaps and velcro closure.
Preformed knee shape allows for unrestricted movement and enhanced comfort.
5cm width FR segmented reflective tape.
All seams are taped.

EN1149

EN 20471

EN14116

EN13034

EN 343

EN 342

F00J146

FR Multinorm Winter Jacket

Features:
Front closure with velcro and metal free zip.
Front phone pocket with flap and metal free zips.
Two side pockets with flaps and metal free zips.
Cuffs with adjustable velcro.
A wide hood with elastic provide comfort and fit different head sizes.
Removable hood with zipper.
Ergonomics segment design.
5cm width FR segmented reflective tape.
All seams are taped.

F00J148

FR Multinorm Winter Jacket

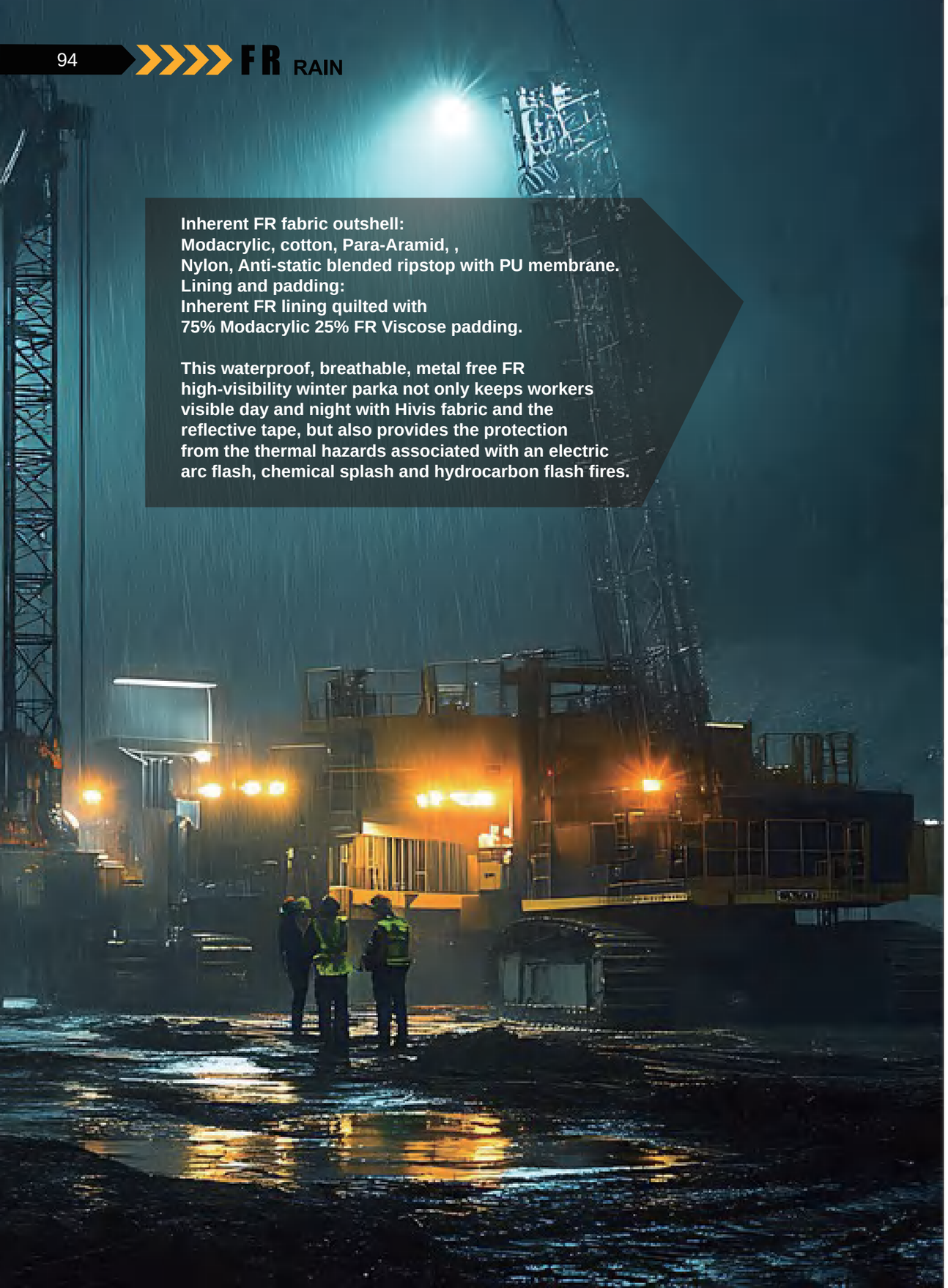
Features:
Front closure with velcro and metal free zip.
Front phone pocket with flap and metal free zips.
Two side pockets with flaps and metal free zips.
Cuffs with adjustable velcro.
A wide hood with elastic provide comfort and fit different head sizes.
Removable hood with zipper.
Ergonomics segment design.
5cm width FR segmented reflective tape.
All seams are taped.

F00B147

FR Multinorm Winter Jacket

Features:
Front closure with velcro and metal free zip.
Two side pockets with flaps and metal free zips.
Two back pockets and one cargo pocket with flaps and velcro closure.
Preformed knee shape allows for unrestricted movement and enhanced comfort.
5cm width FR segmented reflective tape.
All seams are taped.

Outshell fabric: 98% Polyester 2% antistatic with PU milky coating.
Insulation: FR padding quilted with FR 100% cotton lining.



Inherent FR fabric outshell:
Modacrylic, cotton, Para-Aramid, ,
Nylon, Anti-static blended ripstop with PU membrane.
Lining and padding:
Inherent FR lining quilted with
75% Modacrylic 25% FR Viscose padding.

This waterproof, breathable, metal free FR high-visibility winter parka not only keeps workers visible day and night with Hivis fabric and the reflective tape, but also provides the protection from the thermal hazards associated with an electric arc flash, chemical splash and hydrocarbon flash fires.

EN11611

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EN 20471

IEC 61482

EN13034

EN 343

EN 342

F00J079

FR Multinorm winter jacket

Front phone pocket with flap and metal free zips.
Front closure with velcro and metal free zip.
Two side pockets with flaps and metal free zips.
Cuffs with adjustable velcro and FR rib inside.
A wide hood with elastic provide comfort and fit different head sizes.
Removable hood with snaps.
Ergonomics segment design.
5cm width FR segmented reflective tape.
All seams are taped.

F00B080

FR Multinorm winter Bib-pants

Removable braces with fixed lock closing.
Loops in waist.
Side pockets with flaps and metal free zips.
Reinforced knees with knee pad pockets.
Hip pocket with flap.
Long zip on outer lower legs, easy to put on and take off.
5cm width FR segmented reflective tape.
All seams are taped.

FR WORKWEAR

Engineered for safety and performance, our FR Workwear Series offers specialized protection tailored to diverse industries. Whether you're facing intense heat, harsh weather, or hazardous environments, we have the solution.

Customisation options ensure your unique needs are met—because safety should never be one-size-fits-all.

EN11611

EN11612

TMFR59

FR Jacket

Fabric:
100% cotton 330g
1 radio loop above left chest pocket.
2 front chest pockets.
9 concealed snaps,
on the front of the placket,
the pocket flaps& the cuffs.

TMFR60

FR Pants

Fabric:
100% cotton 330g
2 side slant pockets.
zipper& fixed snaps at waist.

TMFR61

FR BIB Pants

Fabric:
100% cotton 330g
adjustable waist.
1 front pocket.
2 side pockets& 1 rule pocket.
buckets used in the braces.

TMFR62

FR Overall

Fabric:
100% cotton 330g
1 radio loop above left chest pocket.
2 front chest pockets.
9 concealed snaps,
on the front of the placket,
the pocket flaps& the cuffs.
1 rule pocket


EU type certificate

aitex

CERTIFICATE No. 21/4384/00/0161

PPE TYPE SET
REF. JACKET: FR59, TROUSERS: FR60, BIB AND BRACE: FR61 AND COVERALL: FR62

AITEX, Notified Body No. 0161 for the application of Regulation (EU) 2016/425 of the European Parliament and of the Council of 9th March 2016, in which the essential health and safety requirements that Personal Protective Equipment (PPE) must comply with.

CERTIFIES The Company:

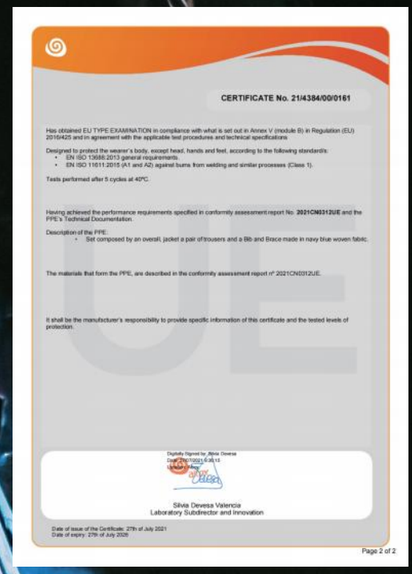
TOMAX PROTECTION TECHNOLOGY INC
No.200 Deyuan West Road.High-tech District
CN-453000 XINXIANG

As a manufacturer

ENAC

ASOCIACIÓN DE INVESTIGACIÓN DE LA INDUSTRIA TEXTIL (AITEX)

Page 1 of 2


CERTIFICATE No. 21/4384/00/0161

Has obtained EU TYPE EXAMINATION in compliance with what is set out in Annex V (module B) in Regulation (EU) 2016/425 and in agreement with the applicable test procedures and technical specifications

Designed to protect the wearer's body, except head, hands and feet, according to the following standards:
- EN ISO 13688:2013 general requirements.
- EN ISO 11611:2015 (A1 and A2) against burns from welding and similar processes (Class 1).

Tests performed after 5 cycles at 40ºC.

Having achieved the performance requirements specified in conformity assessment report No. **2021CN0312UE** and the PPE's Technical Documentation.

Description of the PPE:
- Set composed by an overall, jacket a pair of trousers and a Bib and Brace made in navy blue woven fabric.

The materials that form the PPE, are described in the conformity assessment report nº 2021CN0312UE.

It shall be the manufacturer's responsibility to provide specific information of this certificate and the tested levels of protection.

Silvia Devesa Valencia
Laboratory Subdirector and Innovation

Date of issue of the Certificate: 27th of July 2021
Date of expiry: 27th of July 2026

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EN11611

EN11612

EN1149

IEC 61482

TMFR31

FR Overall

Concealed 2 way brass zipper on the front, with flap and press studs.
2 radio loops on front chest,
Concealed brass zips on chest pockets.
Sleeve pocket left, with pen compartments.
Cuff width-adjustable with Velcro.
2 flapped back pockets below waist.
2 back pockets with flap and press studs.
1 ruler pocket with flap and press studs.
Knee pad pockets with Velcro and bartacks at the bottom.
FR-Reflective-tape, 50 mm.

TMFR36

FR Winter Overall

Concealed 2-way brass zipper on the front, with flap and velcro fastener.
Detectable hood.
2 radio loops on front chest,
Concealed brass zips on chest pockets.
Sleeve pocket left.
Sleeve ends width adjustable with velcro fasteners.
2 flapped back pockets below waist.
2 back pockets with flap and velcro fastener.
1 ruler pocket with flap and velcro fastener.
Knee pad pockets with Velcro and bartacks at the bottom.
Concealed zip opening on lower leg regions with flap and Velcro fastener.
FR-Reflective-tape, 50 mm.

Material:
Flame retardant 99% cotton 1% carbon fiber
210g 280g 350g

TMFR37

FR Winter Bib Pants

2 side pockets.
Ruler pocket and 2 back pockets with flap and concealed press stud.
Stretch straps with solid buckles.
Front fly with covered metal zip.
Knee pad pockets with Velcro and bartacks at the bottom.
Concealed zip opening on lower leg regions with flap and Velcro fastener.
FR-Reflective-tape, 50 mm.

TMFR38

FR Winter Jacket

Concealed front zipper with Velcro fastener.
2 internal breast pockets with flap and zipper closure.
2 side pockets with flap and Velcro fastener.
Sleeve ends width adjustable with velcro fastener.
Detectable hood.
FR-Reflective-tape, 50 mm.

EN11611

EN11612

EN1149

EN 342

EN11611
(KHAKI)

EN11612

EN1149

IEC 61482

F00L049
F00L050

FR Overalls

Description:
Repellency lasts up to 100 washings.
Repels mosquitoes, and insects
Flame Retardant
Fabric: 98% cotton 2% Anti-static 220gsm(RED)
Fabric: 93% Meta-aramid 5% Para-aramid
2% Anti-static 150gsm(KHAKI)

One piece, stand-up collar.
Two-way concealed zipper.
Concealed snap at top of zipper at neck.
Two chest pockets with concealed snap closures.
Hi-Vis yellow-silver-yellow taping at critical
areas - over shoulder, across waist and
on arms and legs.
Two inset lower front pockets.
Two patch back pockets with concealed
snap closures.
Pencil pocket on left bicep.
One piece rule pocket on right leg.
Elastic waist inserts inside.

EN11611

EN11612

EN1149

IEC 61482

F00J059

FR Anti-Mosquito shirt

Repel Mosquito and insects
Repellency lasts up to 100 washings
Inherent Flame Resistant
Fabric: 93% Meta-aramid 5%
Para-aramid 2% Anti-static 150gsm

Two chest pockets with concealed snap closures.
Hi-vis yellow-silver-yellow taping at critical
areas - over shoulders, across waist and on arms.
Aramid mesh fabric underarm for ventilation.

Chainsaw Safety Workwear

Designed for young generation forestry experts,our Chainsaw Safety Workwear merges certified safety with work-appropriate style.

- Certified Reliability:Meets EN 11393 standard for chainsaw protection.

- Modern Design:Sleek cuts and ergonomic fits that outperform traditional bulky gear.

P00J056

Chainsaw Safety Jackte

Fabric:4-Way stretch fabric 230g/m²,light weight,
breathable and comfortable.
High performance Cordura® reinforcements.
Mesh lining for optimal wearing comfort.
Arm,shoulder and chest protection comply with ENISO11393-6 Type A Class1.

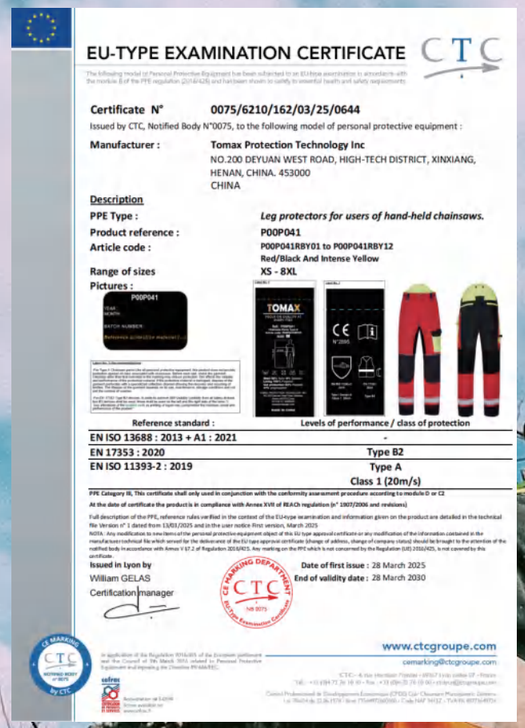
Heat sealed segmented reflective tapes for greater comfort.
Front zip closure under flap.
2 inset chest pockets and side pockets with zippers.
Ergonomic sleeves with Cordura® reinforcements and Velcro fastening.

P00P041

Chainsaw Safety Pants

Fabric:4-Way stretch fabric 230g/m²,light weight,
breathable and comfortable.
High performance Cordura® knee and hem
reinforcements for durability.
Mesh lining for optimal wearing comfort.
Front protective inlay comply with EN ISO11393-2 Type A Class1.

Front fly with zip closure and double press studs on waist.
2 side pockets with zippers.
2 inset back pockets with zippers.
1 patched thigh pocket with flap.
1 pocket for measuring equipment and spark plugs.
Elasticated waist with loops for belt.
Buttons for detachable braces.



EU-TYPE EXAMINATION CERTIFICATE

CTC

Certificate N° 0075/6210/162/03/25/0644

Issued by CTC, Notified Body N°0075, to the following model of personal protective equipment :

Manufacturer : Tomax Protection Technology Inc
NO.200 DEYUAN WEST ROAD, HIGH-TECH DISTRICT, XINXIANG, HENAN, CHINA. 453000
CHINA

Description

PPE Type : *Leg protectors for users of hand-held chainsaws.*

Product reference : P00P041

Article code : P00P041RBY01 to P00P041RBY12
Red/Black And Intense Yellow

Range of sizes XS - 8XL

Pictures :

Reference standard :	Levels of performance / class of protection
EN ISO 13688 : 2013 + A1 : 2021	-
EN 17353 : 2020	Type B2
EN ISO 11393-2 : 2019	Type A Class 1 (20m/s)

PPE Category III, This certificate shall only used in conjunction with the conformity assessment procedure according to module D or C2

At the date of certificate the products is in compliance with Annex XVII of REACh regulation (n° 1907/2006 and revisions)

Full description of the PPE, reference rules verified in the context of the EU-type examination and information given on the product are detailed in the technical file Version n° 1 dated from 13/03/2025 and in the user notice First version, March 2025

NOTA : Any modification to one items of the personal protective equipment object of this EU type approval certificate or any modifications of the information contained in the manufacturer technical file which served for the deliverance of the EU type approval certificate (change of address, change of company status) should be brought to the attention of the notified body in accordance with Annex V §7.2 of Regulation 2016/425. Any marking on the PPE which is not concerned by the Regulation (UE) 2016/425, is not covered by this certificate.

Issued in Lyon by
William GELAS
Certification manager

Date of first issue : 28 March 2025
End of validity date : 28 March 2030

CE MARKING DEPARTMENT
CTC
NB 0075

CE MARKING
CTC
APPROVED BODY n° 0075 By CTC

www.ctcgroupe.com
cemarking@ctcgroupe.com

FUNCTION

WORKWEAR

Redefine Workwear with
Style & Substance

Step into the future of workwear—where bold design, premium materials, and eye-catching colors meet unbeatable functionality.
No more sacrificing style for practicality:

- Modern Aesthetics: Clean lines, contemporary cuts, and vibrant hues to elevate your everyday look.
- Premium Fabrics: High-performance materials that balance comfort, durability, and effortless sophistication.
- Stand Out Safely: Designed for those who demand both flair and function in their work attire.

Work sharp. Look sharper.

EN 342

WINDPROOF

ELASTICITY

P00J083

Hybrid jacket

Shell Fabric: 92%nylon /8%spandex 118gsm
Knit fabric: 98 %polyester 2%spandex, 350gsm

Hybrid insulated Jacket has just the right balance of comfort, design and function. The combination of knitted and quilted zones offers maximum flexibility.

Features:
High stretch knit on sleeves and sides.
Elastic rib knit cuff.
Sleeve inside with elastic liner for perfect mobility.
Quilted hood for a casual overall look.
Stylish reverse hivis front zipper with chin protection.
2 side pockets and breast pocket, all with zippers.
2 inside pockets.
Subtle, earthy tones meet high-vis colours to create an interesting combination that can be used by many trades. The collection and excellent choice for the urban jungle after work.

P00J086

Hybrid jacket

Shell Fabric: 92%nylon /8%spandex 118gsm
Knit fabric: 98 %polyester 2%spandex, 350gsm

Hybrid insulated Jacket has just the right balance of comfort, design and function. The combination of knitted and quilted zones offers maximum flexibility.

Features:
High stretch knit on sleeves and sides.
Elastic rib knit cuff.
Sleeve inside with elastic liner for perfect mobility.
Quilted hood for a casual overall look.
Stylish reverse hivis front zipper with chin protection.
2 side pockets and breast pocket, all with zippers.
2 inside pockets.
Subtle, earthy tones meet high-vis colours to create an interesting combination that can be used by many trades. The collection and excellent choice for the urban jungle after work.

EN 342

WINDPROOF

ELASTICITY

P00J082

Winter softshell jacket

Shell Fabric: 100% polyester 300gsm
Knit fabric: 98 %polyester 2%spandex, 350gsm

Winter softshell Jacket has just the right balance of comfort, design and function. The combination of knitted and quilted zones offers maximum flexibility.

Features:
High stretch knit on sleeves and sides.
Knit storm cuff with adjustable velcro tabs.
Sleeve inside with elastic liner for perfect mobility.
Quilted hood for a casual overall look.
Stylish reverse hivis front zipper with chin protection.
2 side pockets and breast pocket, all with zippers.
2 inside pockets.
Subtle, earthy tones meet high-vis colours to create an interesting combination that can be used by many trades. The collection and excellent choice for the urban jungle after work.

P00J085

Winter softshell jacket

Shell Fabric: 100% polyester 300gsm
Knit fabric: 98 %polyester 2%spandex, 350gsm

Winter softshell Jacket has just the right balance of comfort, design and function. The combination of knitted and quilted zones offers maximum flexibility.

Features:
High stretch knit on sleeves and sides.
Knit storm cuff with adjustable velcro tabs.
Sleeve inside with elastic liner for perfect mobility.
Quilted hood for a casual overall look.
Stylish reverse hivis front zipper with chin protection.
2 side pockets and breast pocket, all with zippers.
2 inside pockets.
Subtle, earthy tones meet high-vis colours to create an interesting combination that can be used by many trades. The collection and excellent choice for the urban jungle after work.

EN 14058

WINDPROOF

ELASTICITY

P00J176

Softshell jacket

Description:
Fabric: 100% polyester + TPU membrane + microfleece, 260 g/m², mechanical stretch, PFAS free water repellency; Breathable: 3000 g/m²/24h, Waterproof: 8000 mm.

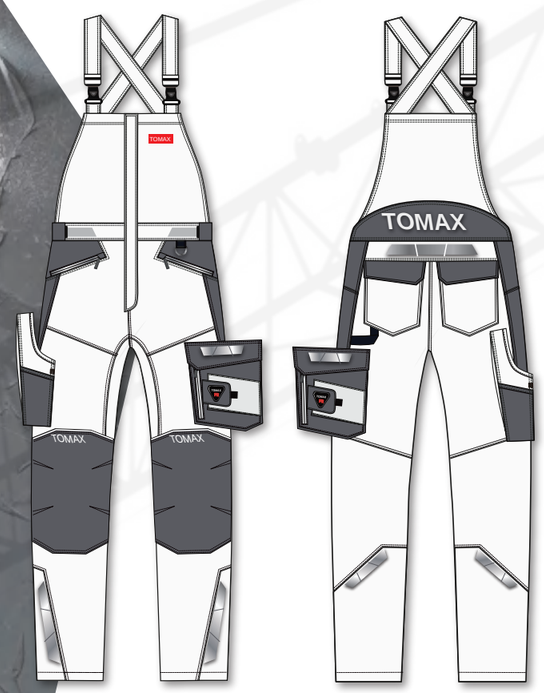
Features:
Heat applied segment reflective strips for high visibility.
High-quality front zipper with chin protection.
D-ring in the left front.
Cuffs with adjustable hook-and-loop fasteners.
Adjustable jacket hem with elastic drawstring.
Extended back panel.
Detachable, adjustable hood with elastic drawstring.
2 chest pockets with water-repellent zippers.
2 hand pockets with water-repellent zippers and generously sized pocket pouches.
2 large inside pockets.

P00V177

Softshell jacket

Description:
Fabric: 100% polyester + TPU membrane + microfleece, 260 g/m², mechanical stretch, PFAS free water repellency; Breathable: 3000 g/m²/24h, Waterproof: 8000 mm.

Features:
Heat applied segment reflective strips for high visibility.
High-quality front zipper with chin protection.
D-ring in the left front.
Adjustable jacket hem with elastic drawstring.
Extended back panel.
Detachable, adjustable hood with elastic drawstring.
2 chest pockets with water-repellent zippers.
2 hand pockets with water-repellent zippers and generously sized pocket pouches.
2 large inside pockets.



ELASTICITY

P00B134

Stretch work bib-pants

Description:
Durable 2-way twill stretch soft cotton-rich fabric for high performance and maximum wearer comfort and flexibility.

Features:
Multiple utility pockets providing ample storage.
Pre-bent knees allow for increased freedom of movement.
Extra visibility with the help of reflectors.
Contrast colouring for fashionable style.

ELASTICITY

P00J128

Stretch work jacket

Description:
Durable soft cotton-rich 2-way twill stretch fabric for high performance and maximum wearer comfort and flexibility.

Features:
Upright collar.
Continuous zip with velcro and underflap.
Anatomically shaped sleeves.
Two side pockets with zip.
Extra visibility with the help of reflectors.
Contrast colouring for fashionable style.

P00P129

Stretch work trousers

Description:
Durable 2-way twill stretch soft cotton-rich fabric for high performance and maximum wearer comfort and flexibility.

Features:
Multiple utility pockets providing ample storage.
Pre-bent knees allow for increased freedom of movement.
Extra visibility with the help of reflectors.
Contrast colouring for fashionable style.

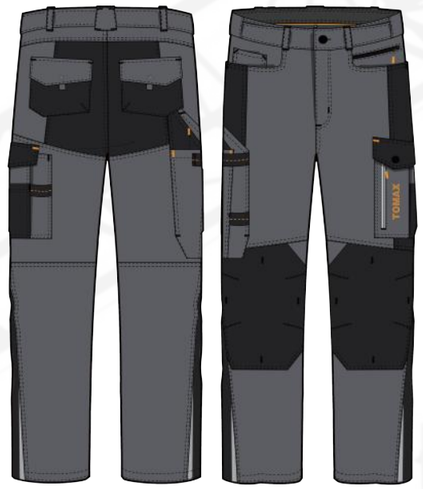
ELASTICITY

P00P132

4-way stretch trousers with holster pockets

Description:
Ultimate 90% Nylon 10% Elastane 4-way stretch material provides unique freedom of movement and high comfort.
The stretch material combines a low weight with a very high durability.

Features:
Well-designed holster pockets can easily be zipped off when not in use, if they have to be emptied, or if the trousers need to be washed.
Excellent ventilation at the back of knee area via a zipper on the side of the leg.
High rise back waistband ensures protection in all working positions.
Extra visibility with the help of reflectors.



P00P182

Stretch Poly Cotton Ripstop Work Trousers

Description:
Fabric: 64% polyester / 33 % cotton / 3% elastane, ripstop weave, 245g/m².
Work trousers with ripstop stretch farbic, Cordura® knee pockets and an engineered fit.
A contoured waistband, special designed knees and legs ensure a perfect fit.
The 2-way ripstop stretch fabric provides great flexibility and also makes the trousers more wear resistant.

Features:
Waist with adjustable elastic.
YKK button and zipper for front closure.
Left front pocket with contrast reverse zipper.
Contrast bartack thread,zip puller and logos.
Unconventional contrast color side seams.
Reflective heat applied trims on legs.
Durable Cordura knee panels with unique shaping.
Left pocket with reflective waterproof zipper and pocket with multi-layered, multifunctional design with a webbing hanging loop.
3-layer right tool pocket with with access at the bottom to maintain knee mobility.
Stain-resistant contrast back design.
Irregular back pocket with concealed snap flap.

STYLES	COMPOSITION	WEIGHT	EN11611	EN11612	EN14116			EN1149	IEC 61482	EN13034	EN 20471	EN 343	EN 342	20m/s Class 1	RIS-3279-TOM		WINDPROOF	Page
F00J178 F00P179	Inherent FR 4-way stretch fabric	280g	✓	✓				✓	✓	✓	✓					✓		68-69
F00J180 F00P181	Inherent FR 4-way stretch fabric	280g	✓	✓				✓	✓	✓						✓		70-71
F00J120 F00P121 F00P123	Inherent FR Hi-visibility stretch fabric	330g	✓	✓				✓	✓		✓					✓		72-73
F00J117	60% modacrylic 39% cotton 1% anti-static	280g		✓				✓	✓		✓					✓		74-75
F00J118 F00J119	60% modacrylic 39% cotton 1% anti-static	210g		✓				✓	✓		✓					✓		74-75
F00J122 FR013	Face side 100% polyester and back side 60% Modacrylic 39% cotton and 1% anti-static	350g	✓	✓				✓	✓	✓	✓					✓		76-77
F00J173	Inherent FR high visibility Modacrylic/ Polyester / Aramid / Polyamide / Cellulose /Anti-static	260g		✓				✓	✓		✓				✓	✓		80
F00P135	Inherent FR high visibility orange fabric	260g	✓	✓				✓	✓	✓	✓				✓			81
F00L136	Inherent FR high visibility orange fabric	320g	✓	✓				✓	✓	✓	✓				✓			81
F00J164 F00P165	76% FR Lenzing 20% Aramid 2% anti-static	180g		✓				✓	✓							✓		82-83
F00J166 F00P167	76% FR Lenzing 20% Aramid 2% anti-static	180g		✓				✓	✓							✓		82-83
F00J141 F00P142	FR 97% Cotton 2% Elastane 1% Antistatic	300g	✓	✓				✓	✓							✓		84-85
F00J175	Composition 50% MA 41% CO 7% PU 2% AT Weave Twill 2/1	270g	✓	✓				✓	✓	✓	✓	✓						88-89
F00J143 F00B144 F00J145	Ripstop polyester & antistatic fabric + breathable FR PU membrane + inherent FR knitting	300g	✓	✓				✓	✓	✓	✓	✓						90-91
F00J146 F00B147 F00J148	98% Polyester 2% antistatic with PU milky coating FR padding quilted with FR 100% cotton lining				✓			✓		✓	✓	✓	✓					92-93
F00J079 F00B080	2 layers FR Rain fabric		✓	✓				✓	✓	✓	✓	✓	✓					94-95
TMFR59 TMFR60	FR 100%Cotton	330g	✓	✓														98
TMFR61 TMFR62	FR 100%Cotton	330g	✓	✓														99
TMFR31	99%cotton 1% anti-static	350g	✓	✓				✓	✓									100
TMFR36 TMFR37 TMFR38	99%cotton 1% anti-static	350g	✓	✓				✓					✓					101
F00L049	98% cotton 2% Anti-Static	220g		✓				✓	✓									102
F00L050 F00J059	93% Meta-aramid 5% Para-aramid 2% Anti-Static	150g	✓	✓				✓	✓									102-103
P00J056 P00P041	92% nylon 8% elastane	230g												✓		✓		106-107
P00J083 P00J086	Shell Fabric 92%nylon /8%spandex Knit fabric 98%polyester 2%spandex	350g														✓	✓	110
P00J082 P00J085	Shell Fabric100% polyester Knit fabric 98%polyester 2%spandex	350g											✓			✓	✓	111
P00J176 P00V177	100% polyester + TPU membrane + microfleece	260g														✓	✓	112-113
P00B134	60% cotton 38% polyester 2% spandex	290g														✓		114-115
P00J128 P00P129	60% cotton 38% polyester 2% spandex	290g														✓		116-117
P00P132	90% nylon 10% elastane	290g														✓		118-119
P00P182	64% polyester / 33% cotton / 3% elastane	245g														✓		120-121