



Tomax Protection Technology Inc

Factory: No. 200 Deyuan West Road, High-tech District, Xinxiang City
Office: Room 602, Xinxu Building, NO.144 Huayuan Road, Zhengzhou
Tel: +86 371 65982801 +86 371 65982109 +86 373 5763675



<http://www.tomaxwear.com>

2024
TECHNICAL WORKWEAR
TOMAX Safety You Can Trust



ABOUT TOMAX

Tomax Protection Technology Inc. is an ISO9001, OEKO TEX100, and BSCI certified company with more than 20-year experience in manufacturing high-level protective fabric and functional workwear industry. We supply full services according to the customers' specific requirements from the selection of fabric, raw material weaving, printing and dyeing, finishing process, testing, to garment designing, sample development to bulk production, inspection and logistics. The essence of Tomax corporate culture is to focus on quality at every step, our dedicated team of industry experts are involved at every stage of the production process to accurately ensure that customers receive the perfect work.

In Zhengzhou, Tomax established a large-scale operation center responsible for product development and sales operations; In Xinxiang, we offer OEM/ODM services with highly experienced workers and dedicated production facility in a large modern production base covering an area of 6000 square meters to ensure efficient production and quality control management. Our annual output is over 3,000,000 pcs work wear.





Monitoring summary report for TOMAX PROTECTION TECHNOLOGY INC.
MONITORING ID: 22-0155177-1



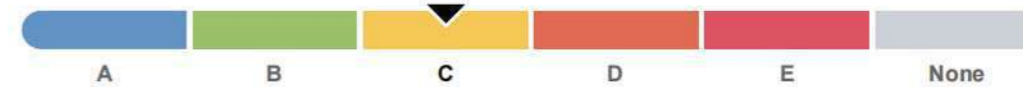
Monitored Party TOMAX PROTECTION TECHNOLOGY INC.	amfori ID 156-026961-000	Address No.200 Deyuan West Road, High-tech District, 453000 Xinxiang, Henan Sheng, China
Monitoring Activity amfori Social Audit - Manufacturing	Monitoring Type Follow-up Monitoring	Monitoring Partner TUV Rheinland
Monitoring Start Date 18/12/2023	Closing Meeting Finished Date 19/12/2023	Submission Date 23/12/2023
Expiration Date 30/12/2024	Announcement Type Fully Announced	
Site TOMAX PROTECTION TECHNOLOGY INC.	Site amfori ID 156-026961-002	

This is an extract of the online Monitoring Result, generated on 26/12/2023, 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.

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OVERALL RATING



SECTION RATING

PA1: Social Management System	C	
PA 2: Workers Involvement and Protection	A	
PA 3: The Rights of Freedom of Association and Collective Bargaining	A	
PA 4: No Discrimination	A	
PA 5: Fair Remuneration	B	

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



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 100% cotton, polyester/cotton, polyester/cotton/spandex, cotton/carbon fibre, polyester/cotton/carbon fibre, woven fabric, piece-dyed and with oil- and water-repellent finishing, partly with flame retardant finished; or made of woven fabric made of cotton/spandex, cotton/nylon/ carbon fibre (reactive indanthrene dyed only), cotton/polyester/spandex/antistatic (reactive indanthrene dyed only), 100% cotton can be fluorescent yellow, piece dyed and finished (incl. softener finish, water/oil repellent finish or finished with flame retardant products accepted by OEKO-TEX®) or 100% polyester, 100% polyamide, polyester/elastane, polyamide/elastane woven fabric, white, piece dyed, partly with TPU film in white and colourless transparent, PU film in white, and colourless transparent, and PU coating in colourless transparent; or 100 % polyamide woven fabric, white, piece-dyed and finished (incl water repellent finish), partly with colourless transparent and white polyurethane ...
[Please scan QR code for full scope]

PRODUCT CLASS

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

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.



This certificate SHGO 085532 is valid until
15.11.2024.

SUPPORTING DOCUMENTS

- ✓ Test report : SH020 230209.1
- ✓ Declaration of conformity in accordance with EN ISO 17050-1 as required by OEKO-TEX®
- ✓ OEKO-TEX® Terms of Use (ToU)

[Signature]
Matz Bachmann
Managing Director

[Signature]
Dijana Ajdovic
Ecology Team Leader

Zurich, 2023-10-31



Certificate of Test

TM-TC280

described as

Sample Description: Poly/cotton Anti-static fabric
Claimed Fibre Composition %: 65% polyester 35% cotton
Weight: 280gsm, Colour: Orange, Construction: Woven

submitted by

Tomax Garments Factory

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

has been tested by BTTG™ according to

**EN 1149-3: 2004
Method 2 Induction Decay**

and achieved the following results

- Conductive Thread (mm) – 9.5
- Shielding factor (S) = 0.67
- Half Decay Time (t₅₀) = < 0.01s

Pre-treatment according to ISO 6330: 2012, Procedure 4N / A Line Dry for five wash / dry cycles

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

24/03090/11/20 (dated 30 November 2020)

Certificate Number

24/03090

[Signature]
Laboratory Technician, Mr K Pillinger

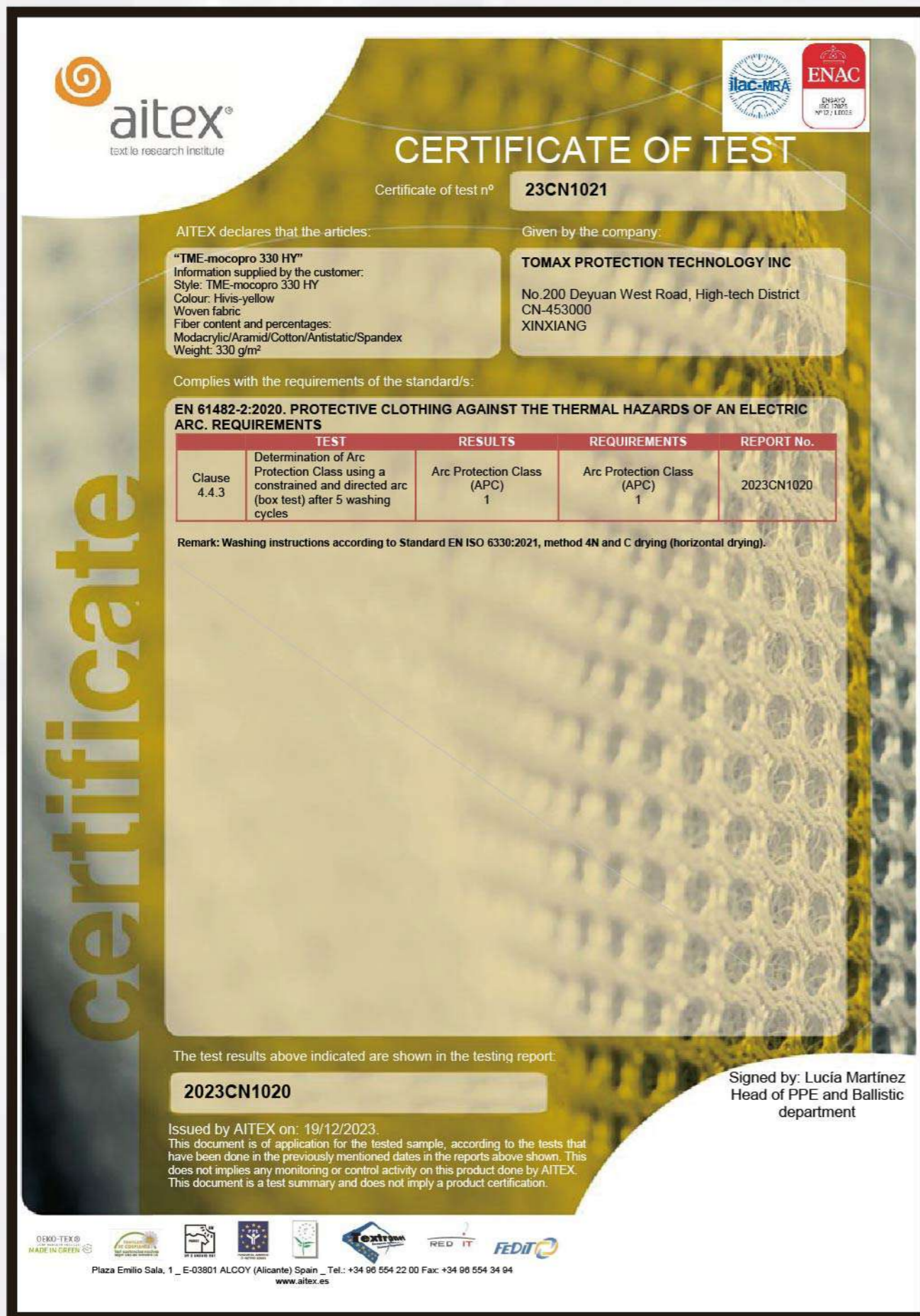
[Signature]
Operational Head, Mr P Doherty

1 December 2020

Date

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





aitex
textile research institute

CERTIFICATE OF TEST

Certificate of test n° **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

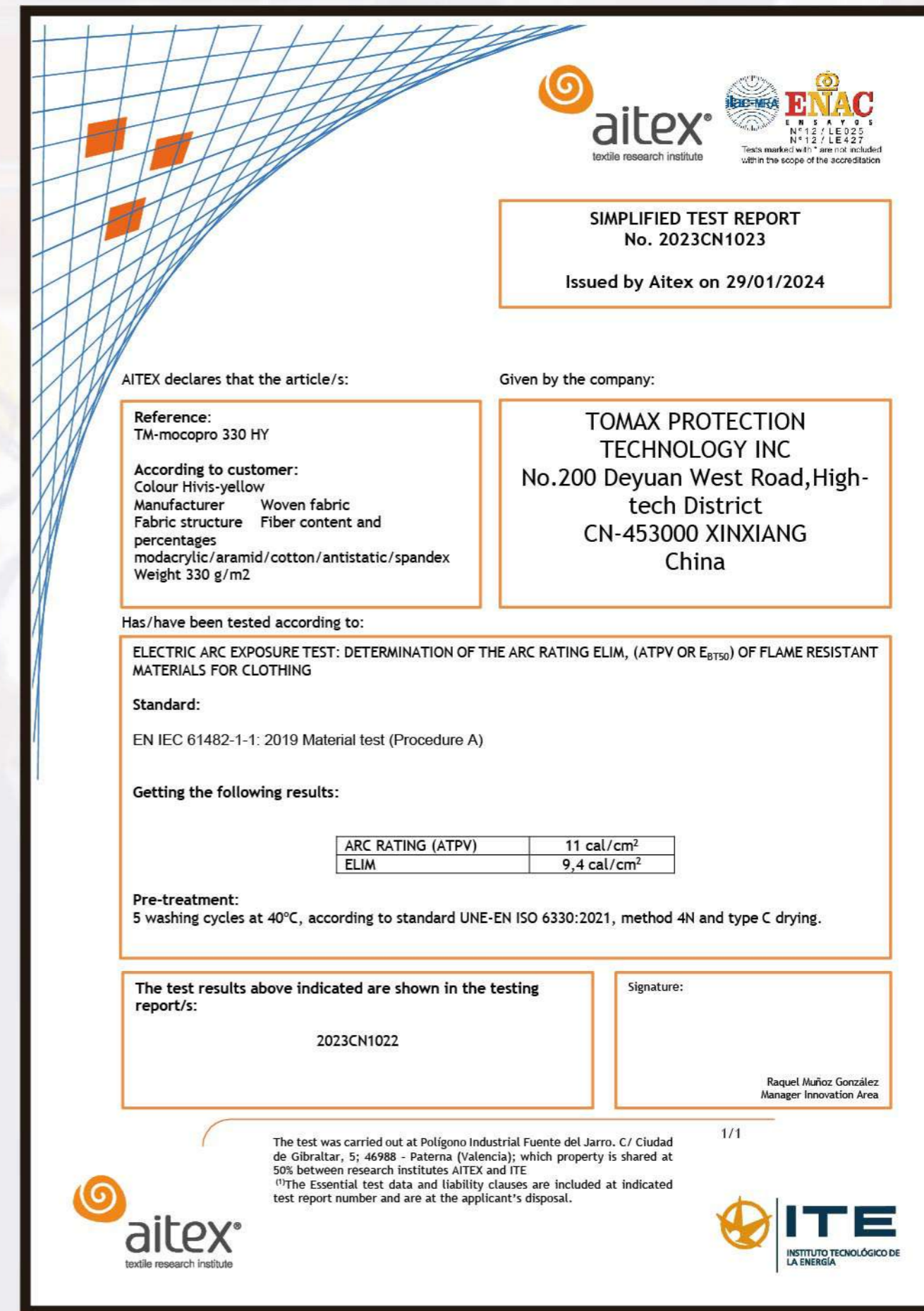
Remark: Washing instructions according to Standard EN ISO 6330:2021, method 4N and C drying (horizontal drying).

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 imply 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: Lucia Martinez
Head of PPE and Ballistic department

Plaza Emilio Sala, 1_E-03801 ALCOY (Alicante) Spain_Tel.: +34 96 554 22 00 Fax: +34 96 554 34 94
www.aitex.es



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textile research institute

ENAC
EN 12 / LE 025
EN 12 / LE 427
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

Given by the company:
TOMAX PROTECTION TECHNOLOGY INC
No.200 Deyuan West Road, High-tech District
CN-453000 XINXIANG
China

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

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/cm ²
ELIM	9,4 cal/cm ²

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:
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
(*)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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ITE
INSTITUTO TECNOLÓGICO DE LA ENERGÍA



Test report n°: L220916305_1

Report date : 11/10/2022
 Client request : Request dated September 2nd, 2022
 Received date : 10/10/2022
 Analysis starting date : 10/10/2022
 Analysis ending date : 11/10/2022

Client:
TOMAX PROTECTION TECHNOLOGY INC.
(C51691)
 High-Tech District ,No. 200 Deyuan
 Xinxiang
 HENAN
 CHINA

8 materials complexes : M-CR 160

CLIENT INFORMATION:

Submitting : Wang Meiyue

ANALYSIS RESULTS:

EN ISO 11393-2:2019

Analysis	Notes
4.7 Resistance to cutting by a chainsaw	Pass
Domestic washing and drying - 5 cycles washing/drying	No requirement

Approved by

Benoit DUMEIX
 Responsable Lab. Physique

EN ISO 11612: 2015

Certificate of Test

Client

Tomax Garments Factory

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

Sample Description:

One yellow coloured woven fabric

Identified as:

Bizflame Ultra; 340g/m2; 80% Cotton / 19% Polyester / 1% Carbon fibre; Woven fabric

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

- Clause 6.3.2 Limited flame spread – Face ignition (A1)
- Clause 6.3.3 Limited flame spread – Edge ignition (A2)

*As received" and after 5, 25 and 50 wash/dry cycles according to EN ISO 15797: 2018 (Table 4 Proc. 2, with Proc. B tunnel/cabinet drying ≤ 155°C)

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

Report Number: E-011672
 Dated: 21 February 2020

Authorised by

P M Collinson
 Section Leader PPE Laboratory

Authorised by

M T Healey
 Principal Technician

Dated: 27th February 2020

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@btg.co.uk website: www.bttg.co.uk

Shirley* and BTTG* are trade names of Shirley Technologies Limited. Registered Office: Wira House, West Park Ring Road, Leeds, LS16 6QL. A company registered in England & Wales with company number 0466951. VAT Number GB816764800. Copyright © 2020 Shirley Technologies Limited. All rights reserved.

CERTIFICATE OF COMPLIANCE

Certificate Number MH63679
 Report Reference MH63679-20210323
 Issue Date 2023-MARCH-06

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.

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 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.

Deborah Jennings-Corner
 Deborah Jennings-Corner, VP Regulatory Services
 UL LLC



Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact UL Customer Service at <http://ul.com/aboutus/contact>

CERTIFICATE OF COMPLIANCE

Certificate Number MH63679
 Report Reference MH63679-20201214
 Issue Date 2021-OCTOBER-07

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

Style Designation	Nominal Weight (oz/yd ²)	Material Composition	Weave/Knit	Finish
TMCN881207	7.0	88% Cotton/12% Nylon	Twill	FR Treatment
TMCN881209	9.0	88% Cotton/12% Nylon	Twill	FR Treatment
TMC10007	7.0	100% Cotton	Twill	FR Treatment
TMC10009	9.0	100% Cotton	Satin	FR Treatment
TMKTC10006	6.0	100% Cotton	Knit	FR Treatment
TMKTC10012	12.0	100% Cotton	Knit	FR Treatment
TMC10015	15.0	100% Cotton Denim	Twill	FR Treatment
TM Cotton FR Fabric	7.7	99% Cotton/ 1% Antistatic	Twill	FR Treatment
TM M-C100K07	7.0	100% Cotton	Knit	FR Treatment
TM CN881207RIPSTOP	7.0	88% Cotton/12% Nylon	Ripstop	FR Treatment

Bruce Mahrenholz
 Bruce Mahrenholz, Director North American Certification Program
 UL LLC



Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact a local UL Customer Service Representative at <http://ul.com/aboutus/contact>



EN ISO 11611: 2015

Certificate of Test

Client
Tomax Garments Factory

No. 200 Deyuan West Road
Xinxiang
Henan
453700
China

Sample Description:
Navy coloured, woven fabric

Identified as:
Sample ID: TM-CQ330
Composition: 100% Cotton
Colour: Navy
Construction: Woven
Weight: 330 gsm

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

- Clause 6.2 Tensile strength (Class 1 and 2)
- Clause 6.3 Tear strength (Class 1 and 2)
- Clause 6.6 Dimensional change (Class 1 and 2)**
- Clause 6.7.2 Flame spread – Face ignition (A1) (Class 1 and 2)**
- Clause 6.7.3 Limited Flame spread – Edge ignition (A2) (class 1 and 2)
- Clause 6.8 Impact of spatter (Class 1 and 2)
- Clause 6.9 Heat transfer (radiation) (Class 1)
- Clause 6.10 Electrical resistance* (Class 1 and 2)

*Not UKAS accredited
** Results taken from E-014712 report dated 13th July 2020
Pre-treatment five wash/dry cycles according to EN ISO 6330: 2012 Procedure 4N (40°C) with line drying (Procedure A) where required.

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

Report Number: E-015770/1
Dated: 24th September 2020

Authorised by

P M Collinson
Section Leader PPE Laboratory

Authorised by

M T Healey
Principal Technician

Dated: 14th October 2020

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@btg.co.uk website: www.btg.co.uk

Shirley® and BTTG™ are trade names of Shirley Technologies Limited. Registered Office: Wra House, West Park Ring Road, Leeds, LS16 6QJ. A company registered in England & Wales with company number 04669651. VAT Number GB816764800. Copyright © 2020 Shirley Technologies Limited. All rights reserved.

EU type certificate



CERTIFICATE No. 21/4384/00/0161

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



AITEK, 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



ASOCIACIÓN DE INVESTIGACIÓN DE LA INDUSTRIA TEXTIL (AITEK)
Plaza Emilio Sala, 1 - Alcoy (Alicante) 965542200 · info@aitex.es
www.aitex.es

CERTIFICATE OF TEST

Certificate of test nº **22CN0004**

AITEX declares that the articles:

"FABRIC TME-COMFORT N 350 C"
 Information according to the customer:
 Fabric reference: Fabric TME-comfort N 350 C
 Composition and percentage: FR canvas 86%
 Cotton, 12% Nylon and 2% Spandex
 Weight: 10 OZ / Color: Navy blue

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:

ASTM F1506 – 20a. STANDARD PERFORMANCE SPECIFICATION FOR FLAME RESISTANT AND ELECTRIC ARC RATED PROTECTIVE CLOTHING WORN BY WORKERS EXPOSED TO FLAMES AND ELECTRIC ARCS

- 7.1 Determination of breaking load.
- 7.2 Determination of tear resistance.
- 7.4.1 Colour fastness to domestic and commercial laundering.
- 7.5 Dimensional Change.
- 7.6 Flammability, (original and after 25 washing cycles, according to standard AATCC TM 135:2018 (method 3, IV, A iii)).







Remark: The tests have been carried out in the following reports: 2022CN0003 (Date tests ending: 04/02/2022).

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


2022CN0003

Signed by: Raquel Muñoz González
 Manager Innovation Area

Issued by AITEX on: 09/02/2022.
 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 imply any monitoring or control activity on this product done by AITEX.
 This document is a test summary and does not imply a product certification.

Plaza Emilio Sala, 1 _ E-03801 ALCOY (Alicante) Spain _ Tel.: +34 98 554 22 00 Fax: +34 98 554 34 94
 www.aitex.es



SIMPLIFIED TEST REPORT
 No. 2022CN0006

Issued by Aitex on 28/01/2022

AITEX declares that the article/s:

Reference:
 Fabric TME-comfort N 350 C

According to customer:

Fabric reference: Fabric TME-comfort N 350 C
 Composition and percentage: FR canvas 86%
 cotton 12% nylon 2% spandex
 Weight: 10 OZ
 Color: Navy blue

Given by the company:

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

Has/have been tested according to:

ELECTRIC ARC EXPOSURE TEST: DETERMINATION OF THE ARC RATING (ATPV OR EBT50) OF FLAME RESISTANT MATERIALS FOR CLOTHING

Standard:

ASTM F1959/F1959M-14e1

Getting the following results:

ARC RATING (ATPV)	12 cal/cm ²
HAF	80,6 %

Pre-treatment:
 3 washing cycles at 49°C, according to standard AATCC TM135-2018, method 3IV and type Aiii drying




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

2022CN0005

Signature:

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.

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



EN ISO 11612: 2015

Certificate of Test

Client
Tomax Garments Factory

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

Sample Description:
Navy coloured, woven fabric

Identified as:
TM-AA150; 93% Meta-Aramid / 5% Para-Aramid / 2% Carbon Fibre; Navy; 150gsm

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

- Clause 6.2.1 Heat Resistance
- 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 7.6 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-012218/A
Dated: 19 February 2020

Authorised by

P M Collinson
Section Leader PPE Laboratory

Dated: 24th April 2020

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 1149-3: 2004 Method 2

Certificate of Test

Client
Tomax Garments Factory

High-Tech district
No 200 Deyuan West Road
Xinxiang
China

Sample Description:
Navy coloured, woven fabric

Identified as:
TM-AA150; 93% Meta-Aramid / 5% Para-Aramid / 2% Carbon Fibre, Navy, 150 gsm

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

- EN 1149-5: 2018
- No evidence of conductive threads on the sample
- Shielding Factor (S) = 0.83
- Half Decay Time (t50) = < 0.01s

After 5 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-014415
Dated: 09 July 2020

Authorised by

A Newton
Senior Customer Services Officer

Authorised by

M T Healey
Principal Technician

Dated: 6th August 2020

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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Electric arc test to EN 61482-1-1: 2009 (IEC 61482-1-1: 2009)

Certificate of Test

Client

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

Sample Description:

Navy coloured, woven fabric

Identified as:

TM-AA150; 93% Meta-Aramid / 5% Para-Aramid / 2% Carbon Fibre; Navy; 150gsm

Has been tested by BTTG® according to the above mentioned specification and achieved the following results:

Arc rating, Elim = 5.7 cal/cm²
 Arc Thermal Performance Value, ATPV = 6.3 Cal/cm²

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-012218/C
 Dated: 23 April 2020

Authorised by

M T Healey
 Principal Technician

Authorised by

P J Hutchings
 Client Support Specialist

Dated: 24th April 2020

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.
 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

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 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

Dated: 22nd February 2021

Authorised by

 P Hutchings
 Client Support Specialist

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 11611: 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 Tensile strength (Class 1 and 2)
- Clause 6.3 Tear strength (Class 1 and 2)
- Clause 6.4 Dimensional change due to cleaning (Class 1 and 2)
- Clause 6.7.2 Limited flame spread – Face ignition (A1) (Class 1 and 2)
- Clause 6.7.3 Flame spread – Edge ignition (A2) (Class 1 and 2)
- Clause 6.8 Impact of spatter (Class 1 and 2)
- Clause 6.9 Heat transfer (radiation) (Class 1)
- Clause 6.10 Electrical resistance (Class 1 and 2)

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/A1
 Dated: 22 February 2021

Authorised by

 A Newton
 Senior Customer Service Officer

Dated: 22nd February 2021

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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CERTIFICATE OF TEST

Certificate of test nº 22CN6115

AITEX declares that the articles:

Given by the company:

"TMK-comstar 310 F"
Information according to the customer:
Fabric ref.- TMK-comstar 310 F
Composition and percentage: 99% Cotton and 1%
Antistatic
Weight: 310 gsm.
Color: Navy blue

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°C after 50 washing cycles)	Warp: +0,4% Weft: +0,2%	No ignite, no melt and no shrink by more than 5%	2022CN6113
Clause 6.3 Limited flame spread as received and after 50 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	2022CN6113
	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	2022CN6113
Clause 6.4 Dimensional change after 5 washing cycles	Lengthwise: -5% Crosswise: -1%	≤ ± 5%	2022CN6114
Clause 6.5.3 Burst strength after 50 washing cycles	146,9 kPa	≥ 100 kPa	2022CN6113
Clause 7.2 Convective heat after 50 washing cycles	Level B1 HTI ^a 24: 6,0 s	Level B1 4 ≤ RHTI ^a 24 < 10	2022CN6113
Clause 7.3 Radiant heat after 50 washing cycles	Level C2 RHTI ^a 24: 20,8 s	Level C2 20 ≤ RHTI ^a 24 < 50	2022CN6113
Clause 7.5 Molten iron splash after 50 washing cycles	Level E3 ≥ 202,19 g	Level E3 ≥ 200 g	2022CN6113
Clause 7.6 Contact heat after 50 washing cycles	Level F1 t: 9,62 s	Level F1 5 ≤ t < 10	2022CN6113

Remark: Washing instructions according to Standard EN ISO 6330:2012, method 4N and A type drying (vertical dry).

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

2022CN6113 + 2022CN6114

Rev. 1.
This revision cancels and replaces the previous

Issued by AITEX on: 01/08/2022 + 29/07/2022.
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 imply 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: Raquel Muñoz González
Manager Innovation Area



Plaza Emilio Sala, 1 _ E-03801 ALCOY (Alicante) Spain _ Tel.: +34 98 554 22 00 Fax: +34 98 554 34 04
www.aitex.es



CERTIFICATE OF TEST

Certificate of test nº 22CN6204

AITEX declares that the articles:

Given by the company:

"FABRIC REF.- TMK-comstar 310 F"
According information supplied by the customer:
Fabric REF. TMK-comstar 310 F.
Composition and percentage: 99% Cotton and 1%
Antistatic.
Weight: 310 gsm.
Color: Navy blue.

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 6.4 Bursting resistance after 50 washing cycles	146,9 kPa	≥ 100 kPa	2022CN6203
Clause 6.7 Limited flame spread as received and after 50 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	2022CN6203
	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	2022CN6203
Clause 6.6 Dimensional change after 5 washing cycles	Lengthwise: -5,0 % Crosswise: -1,0 %	≤ ± 5%	2022CN6203
Clause 6.9 Radiant heat after 50 washing cycles	Class 2 RHTI ^a 24: 20,8 s	Class 2 7 ≤ RHTI ^a 24 < 16	2022CN6203
Clause 6.10 Electrical insulation after 50 washing cycles	1,98 · 10 ⁵ Ω	> 10 ⁵ Ω	2022CN6203

Remark: Washing instructions according to Standard EN ISO 6330:2012, method 4N and A type drying (vertical dry).

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

2022CN6203

Issued by AITEX on: 21/09/2022.
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 imply 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: Raquel Muñoz González
Manager Innovation Area



Plaza Emilio Sala, 1 _ E-03801 ALCOY (Alicante) Spain _ Tel.: +34 98 554 22 00 Fax: +34 98 554 34 04
www.aitex.es



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
Tel: +44 (0)161 876 4211 email: ppe@bttg.co.uk website: www.bttg.co.uk

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Show room



WORKSHOP





FACTORY



**FOCUS ON QUALITY
AT EVERY STEP**



**PRODUCTION
WORKSHOP**



PACKING





Automatic cutting machine

Automatic pocket setter



Automatic rolled hemming machine



Laboratory:

Guarantee the materials we used is with good quality for each production. Provides a good database for the materials before each production such as the strength, the shrinkage, the color fastness, PH value, FR function etc.



**FOCUS ON QUALITY
AT EVERY STEP**



RELIANCE

A customer focused company provides high quality products and service.

PRODUCT LIST



NEW

F00J120 FR Jacket
F00J123 FR Pants



NEW

F00J122 FR Jacket



NEW

F00J116 FR Jacket



NEW

F00J117 FR Sweatshirt



NEW

F00P135 Pants



NEW

F00L135 Overalls



F00J032 Jacket
F00P033 Pants



F00L035 Overalls



NEW

F00J118 FR Shirt



NEW

F00J119 FR Shirt
F00J121 FR Pants



NEW

F00J124 FR Shirt
F00J125 FR Pants



NEW

F00J126 FR Jacket
F00J127 FR Pants



F00J036 Jacket
F00P037 Pants



F00L039 Overalls



F00L049 Overalls



F00L050 Overalls

PRODUCT LIST

PRODUCT LIST



F00J059 Jacket



FR002J Jacket
FR002P Pants



FR002O Overall



FR015J Jacket
FR015P Pants



FR43B BIB Pants



FR41B Jacket
FR42B Pants



FR44B Overall



FR59 Jacket
FR60 Pants



FR015O Overall



FR32 Jacket
FR33 Pants



FR34 BIB Pants



FR35 Overall



FR61 BIB Pants



FR62 Overall



FR31 Overall



F00J057 Jacket
F00P058 Pants

PRODUCT LIST

PRODUCT LIST



FR36 Winter Overall



FR37 Winter BIB Pants



FR38 Winter Jacket



F00J079 Jacket
F00P080 Pants



FR006B Bib Pants



FR008J Jacket
FR008P Pants



FR008B Bib Pants



P00J056 Jacket
P00P041 Pants



F00J029 Jacket
F00P030 Pants



FR001J Jacket
FR001P Pants



FR001B Bib Pants



FR006J Jacket
FR006P Pants



P00P042 Pants



P00P043 Pants



P00J070 Jacket



P00B071 BIB Pants

PRODUCT LIST

PRODUCT LIST



NEW

P00J083 Jacket



NEW

P00J082 Jacket



NEW

P00J081 Jacket



NEW

P00J086 Jacket



NEW

P00J085 Jacket



NEW

P00J084 Jacket



WT14 Softshell Jacket



NEW

P00P132 Pants



NEW

P00J128 Jacket
P00P129 Pants



NEW

P00B130 Bib Pants



NEW

P00S131 Shorts



NEW

P00B134 Bib Pants



JP002 Jacket
PP002 Pants



BP002 Bib Pants



WK02 Jacket



WK10 Jacket
WK11Pants

PRODUCT LIST



F00J120 Inherent FR Hi-vis stretch jacket

Description:

Fabric: Inherent FR high visibility stretch fabric 330g/m2 twill.
A new generation of FR protective clothes with extreme mobility.
Risk assessment: Welding, Flame and heat, Electric Arc, Anti-static, High visibility.

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 fastener.



F00P121 Inherent FR Hi-vis stretch trousers

Description:

Fabric: Inherent FR high visibility stretch fabric 330g/m2 twill.
A new generation of FR protective clothes with extreme mobility.
Risk assessment: Welding, Flame and heat, Electric Arc, Anti-static, High visibility.

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.



F00J122 FR softshell jacket

Description:

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.

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 fastener.
Width-adjustable cuffs with Velcro fastener.



EN11611 EN11612 EN1149 EN20471 IEC 61482 EN13034 ELASTICITY



F00P123 Inherent FR Hi-vis stretch trousers with holster pockets

Description:

Fabric: Inherent FR high visibility stretch fabric 330g/m2 twill.
A new generation of FR protective clothes with extreme mobility.
Risk assessment: Welding, Flame and heat, Electric Arc, Anti-static, High visibility.

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 EN20471 IEC 61482 ELASTICITY



F00J116 FR Softshell jacket

Description:
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.

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



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.
Contrast colouring for fashionable style.



F00J118 Inherent FR Hi-vis Polo shirt

Description:
Fabric: Inherent FR high visibility Pique 60% Modacrylic 39% cotton 1% anti-static 210gsm.
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 button closure.
Contrast colouring for fashionable style.



F00J119 Inherent FR Hi-vis T-shirt

Description:
Fabric: Inherent FR high visibility Pique 60% Modacrylic 39% cotton 1% anti-static 210gsm.
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 button closure.
Contrast colouring for fashionable style.





F00J124 FR cotton stretch shirt

Description:

Fabric: FR 97% Cotton 2% Elastane 1% Antistatic 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 stud front for easy access.
Two chest pockets with flap and velcro closure.
Stud adjustable cuffs for a secure fit.



F00P125 FR cotton stretch trousers

Description:

Fabric: FR 97% Cotton 2% Elastane 1% Antistatic 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.
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.



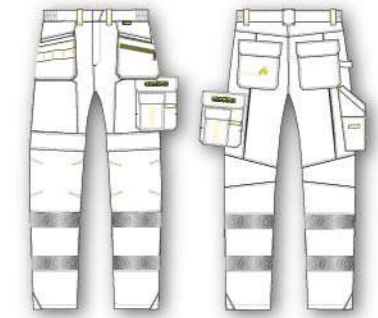
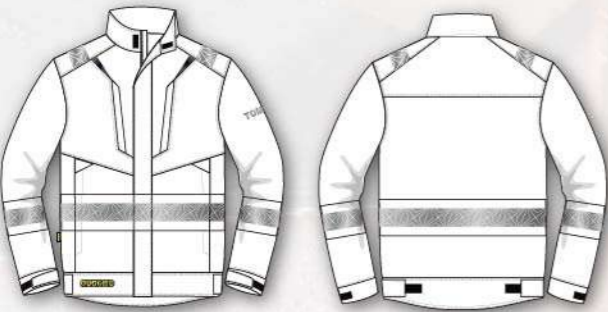
F00J126 FR cotton stretch jacket

Description:

Fabric: FR 97% Cotton 2% Elastane 1% Antistatic 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 storm flap with velcro closure.
Two chest pockets with flap and zip closure.
Two lower inset pockets with zip closure.
Ergonomic sleeves with velcro adjustment on cuffs.



F00P127 FR cotton stretch trousers with holster pockets

Description:

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

Features:

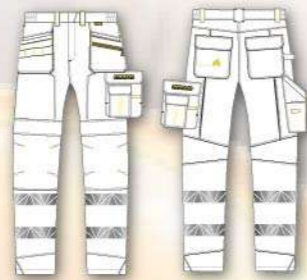
Heat sealed FR segmented reflective stripes for safety and greater comfort.
Side pockets with flaps.
Zip-off holster pockets for added versatility.
Cargo pocket with mobile phone pocket and with flap.
Double ruler pocket with tool pockets.
Shaped knees with kneepad pockets in stretch zones.
Back pockets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



F00P135 FR Hi-vis Orange Trousers

Description:
 Fabric: Inherent FR high visibility orange fabric 260g/m2.
 Risk assessment: Welding, Flame and heat, Electric Arc, Anti-static, High visibility.

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

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.





F00J032 FR Jacket



Description:

Fabric: 79% cotton 20% polyester 1% carbon fibre 340gsm- Strong and Comfortable

High quality cotton rich blend, improved by addition of polyester and antistatic yarn, provides both natural fibers and durability of polyester with higher tear resistance and colorfastness.

Anti-Static Protection

That gives to the wearer extra protection against possibility of Static Electricity sparks, which might be very dangerous in explosive atmospheres of Refineries or Oil Terminals.

Multi-Risk Protection

Be protected against Multiple Risks such as – Flash Fire, Electric Arc, Chemical splashes, Electrostatic Discharge (ESD)



- Stand-up collar
- Two-way concealed zipper and flap on front closure
- Two chest pockets with vertical opening and concealed zip closures
- Segmented FR reflective tapes at critical areas - over shoulder, across waist and on arms
- Two inset lower front pockets with zippers
- Width-adjustable cuffs with velcro fastener



Front closure with zip and snap
 Waistband with elascated side elements
 2 x side pockets, 1 x left leg pocket, 2 x back pockets, with flaps and snaps
 Preformed knee zones with knee pad pockets, with velcro fastener at the top
 Segmented FR reflective tapes at lower legs



F00P033 FR Trousers

Description:

Fabric: 79% cotton 20% polyester 1% carbon fibre 340gsm

Strong and Comfortable

High quality cotton rich blend, improved by addition of polyester and antistatic yarn, provides both natural fibers and durability of polyester with higher tear resistance and colorfastness.

Anti-Static Protection

That gives to the wearer extra protection against possibility of Static Electricity sparks, which might be very dangerous in explosive atmospheres of Refineries or Oil Terminals.

Multi-Risk Protection

Be protected against Multiple Risks such as – Flash Fire, Electric Arc, Chemical splashes, Electrostatic Discharge (ESD)



F00B034 FR Bib-pants



Description:

Fabric: 79% cotton 20% polyester 1% carbon fibre 340gsm

Strong and Comfortable

High quality cotton rich blend, improved by addition of polyester and antistatic yarn, provides both natural fibers and durability of polyester with higher tear resistance and colorfastness.

Anti-Static Protection

That gives to the wearer extra protection against possibility of Static Electricity sparks, which might be very dangerous in explosive atmospheres of Refineries or Oil Terminals.

Multi-Risk Protection

Be protected against Multiple Risks such as – Flash Fire, Electric Arc, Chemical splashes, Electrostatic Discharge (ESD)

Front closure with zip and snap

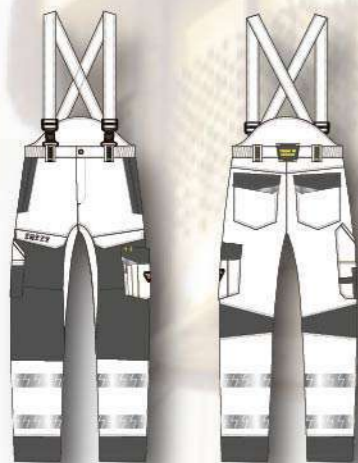
Waistband with elasticated side elements

Elastic braces with sturdy clip buckles

Preformed knee zones with knee pad pockets, with velcro fastener at the top

2 x side pockets, 1 x left leg pocket, 2 x back pockets, with flaps and snaps

Segmented FR reflective tapes at lower legs



F00L035 FR Overalls

Description:

Fabric: 79% cotton 20% polyester 1% carbon fibre 340gsm

Strong and Comfortable

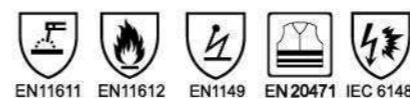
High quality cotton rich blend, improved by addition of polyester and antistatic yarn, provides both natural fibers and durability of polyester with higher tear resistance and colorfastness.

Anti-Static Protection

That gives to the wearer extra protection against possibility of Static Electricity sparks, which might be very dangerous in explosive atmospheres of Refineries or Oil Terminals.

Multi-Risk Protection

Be protected against Multiple Risks such as – Flash Fire, Electric Arc, Chemical splashes, Electrostatic Discharge (ESD)



2 x chest pockets with vertical opening and concealed zip closures

Width-adjustable cuffs with velcro fastener

Waistband with elasticated side elements

2 x side pockets, 1 x left leg pocket, 2 x back pockets, with flaps and snaps

Preformed knee zones with knee pad pockets, with velcro fastener at the top
Segmented FR reflective tapes at critical areas - over shoulder, across waist, on arms and legs



F00J036 FR Jacket



Description:

Fabric: 80% cotton 19% polyester 1% carbon fibre 340gsm

50 industrial washes

Non-metal elements

High quality cotton rich blend, improved by addition of polyester and antistatic yarn, provides both natural fibers and durability of polyester with higher tear resistance and colorfastness.

Anti-Static Protection

That gives to the wearer extra protection against possibility of Static Electricity sparks, which might be very dangerous in explosive atmospheres of Refineries or Oil Terminals.

Multi-Risk Protection

Be protected against Multiple Risks such as – Flash Fire, Electric Arc, Chemical splashes, Electrostatic Discharge (ESD).

Stand-up collar

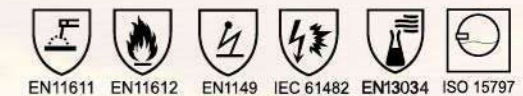
Two-way concealed zipper and flap on front closure
Two chest pockets with vertical opening and concealed zip closures

FR industrial wash reflective tapes at critical areas - over shoulder, across waist and on arms
Two inset lower front pockets with zippers
Width-adjustable cuffs with velcro fastener
It keeps an excellent flame resistant performance after 50 times industrial wash/dry cycles according to EN ISO 15797:2018

(Table 4 Proc. 2, with Proc. B tunnel/cabinet drying $\leq 155^{\circ}\text{C}$)



F00P037 FR Pants



Description:

Fabric: 80% cotton 19% polyester 1% carbon fibre 340gsm

50 industrial washes

Non-metal elements

High quality cotton rich blend, improved by addition of polyester and antistatic yarn, provides both natural fibers and durability of polyester with higher tear resistance and colorfastness.

Anti-Static Protection

That gives to the wearer extra protection against possibility of Static Electricity sparks, which might be very dangerous in explosive atmospheres of Refineries or Oil Terminals.

Multi-Risk Protection

Be protected against Multiple Risks such as – Flash Fire, Electric Arc, Chemical splashes, Electrostatic Discharge (ESD).

Front closure with zip and button

Waistband with elastic side elements

2 x side pockets, 1 x left leg pocket, 2 x back pockets, with flaps and velcro closure

Preformed knee zones with knee pad pockets, with velcro fastener at the top

FR industrial wash reflective tapes at lower legs
It keeps an excellent flame resistant performance after 50 times industrial wash/dry cycles according to EN ISO 15797:2018

(Table 4 Proc. 2, with Proc. B tunnel/cabinet drying $\leq 155^{\circ}\text{C}$)



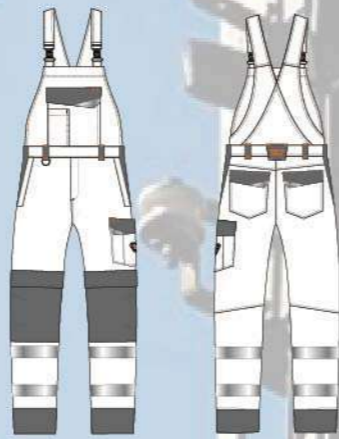
F00B038 FR Bib-pants

Description:
Fabric: 80% cotton 19% polyester 1% carbon fibre 340gsm

50 industrial washes
Non-metal elements
High quality cotton rich blend, improved by addition of polyester and antistatic yarn, provides both natural fibers and durability of polyester with higher tear resistance and colorfastness.

Anti-Static Protection
That gives to the wearer extra protection against possibility of Static Electricity sparks, which might be very dangerous in explosive atmospheres of Refineries or Oil Terminals.

Multi-Risk Protection
Be protected against Multiple Risks such as – Flash Fire, Electric Arc, Chemical splashes, Electrostatic Discharge (ESD).



Front closure with zip
Waistband with elasticated side elements
Braces with sturdy clip buckles
Preformed knee zones with knee pad pockets, with velcro fastener at the top
2 x side pockets with zippers
1 x left leg pocket, 2 x back pockets, with flaps and velcro closure
FR industrial wash reflective tapes at lower legs
It keeps an excellent flame resistant performance after 50 times industrial wash/dry cycles according to EN ISO 15797:2018 (Table 4 Proc. 2, with Proc. B tunnel/cabinet drying ≤155 C)

F00L039 FR Overalls

Description:
Fabric: 80% cotton 19% polyester 1% carbon fibre 340gsm

50 industrial washes
Non-metal elements
High quality cotton rich blend, improved by addition of polyester and antistatic yarn, provides both natural fibers and durability of polyester with higher tear resistance and colorfastness.

Anti-Static Protection
That gives to the wearer extra protection against possibility of Static Electricity sparks, which might be very dangerous in explosive atmospheres of Refineries or Oil Terminals.

Multi-Risk Protection
Be protected against Multiple Risks such as – Flash Fire, Electric Arc, Chemical splashes, Electrostatic Discharge (ESD).

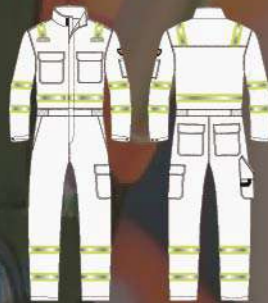


2 x chest pockets with vertical opening and concealed zip closures
Width-adjustable cuffs with velcro fastener
Waistband with elastic side elements
2 x side pockets with zippers
1 x left leg pocket, 2 x back pockets, with flaps and velcro closure
Preformed knee zones with knee pad pockets, with velcro fastener at the top
FR industrial wash reflective tapes at critical areas - over shoulder, across waist, on arms and legs
It keeps an excellent flame resistant performance after 50 times industrial wash/dry cycles according to EN ISO 15797:2018 (Table 4 Proc. 2, with Proc. B tunnel/cabinet drying ≤155 C)

F00L049/50 FR Overalls

Repellency lasts up to 100 washings.
 Repel 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 velcro at top of zipper.
 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 in side.



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



**FR002J Jacket**

Material:93%meta aramid 5%para aramid
2%antistatic 200g
Concealed front zipper with flap and snap buttons.
1 radio loop on right chest.
Left breast pocket with flap and Velcro closure.
2 concealed side pockets with Velcro closure.
Width-adjustable cuffs with snap buttons.
FR reflective tape,50mm.
FR thread.

**FR002P Pants**

Material:93%meta aramid 5%para aramid
2%antistatic 200g
Waistband with a D ring.
2 side pockets and 2 back pockets with Velcro closure.
Front closure with brass zipper and snap button.
Width-adjustable hems with snap buttons.
FR reflective tape,50mm.
FR thread.

**FR002O Overall**

Material:93%meta aramid 5%para aramid
2%antistatic 200g
Concealed front zipper with flap and snap buttons.
1 radio loop on right chest.
Left breast pocket with flap and Velcro closure.
2 concealed side pockets with Velcro closure.
Width-adjustable cuffs with snap buttons.
Drape back design for comfort.
Size-adjustable waistband with elastic ribbon.
2 side pockets and 2 back pockets with Velcro closure.
Width-adjustable hems with snap buttons.
FR reflective tape,50mm.
FR thread.



**FR015J Jacket**

Material: 60% modacrylic 39% cotton,
1% carbon fiber 280g
Concealed front brass zipper and flap and snap buttons.
Concealed phone pocket.
Radio loops on both sides.
Width-adjustable cuffs with Velcro fastener.
FR sewing thread and Double stitched.
Industrial wash, FR reflective tape, 50mm.
Hivis yellow with navy blue

FR015P Pants

Material: 60% modacrylic 39% cotton,
1% carbon fiber 280g
1 back patch pockets.
1 rule pocket.
2tier knee pad pockets.
Triple-stitched seams.
FR sewing thread and Double stitched.
Industrial wash, FR reflective tape, 50mm.
Hivis yellow with navy blue



EN 20471 EN 11612 EN 11611 EN 1149 IEC 61482 EN 13034

**FR0150 Overall**

Material: 60% modacrylic 39% cotton,
1% carbon fiber 280g
Front fly with snap buttons.
Radio loops on both sides.
2 chest pockets with concealed brass zips.
Size-adjustable cuffs with Velcro fastener.
1 back pocket.
1 rule pocket.
2tier knee pad pockets.
FR sewing thread and Double stitched.
Industrial wash, FR reflective tape, 50mm.
Hivis yellow with navy blue

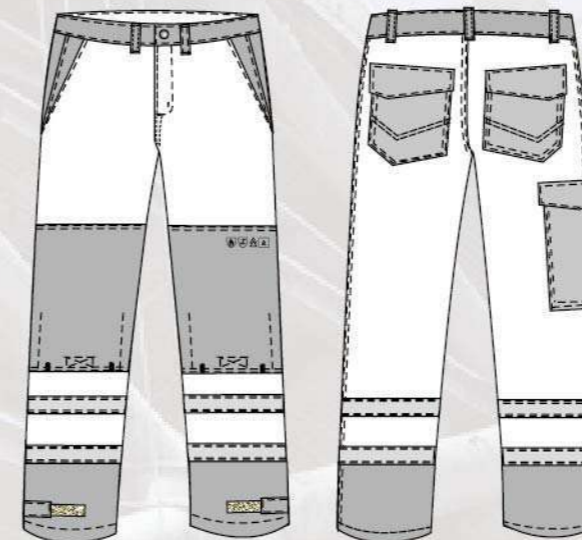


EN 20471 EN 11612 EN 11611 EN 1149 IEC 61482 EN 13034



FR32 Jacket

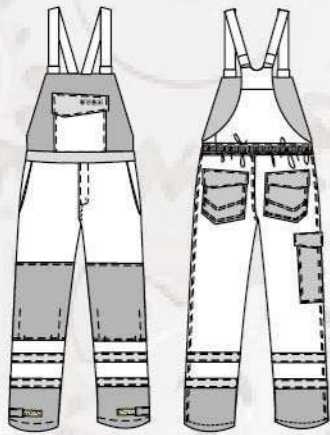
Material: Flame retardant 99% cotton 1% carbon fiber 330g
 Concealed front zipper with 5 snap fasteners
 2 internal breast pockets with flap and zipper closure
 2 radio loops on front chest
 sleeve ends width adjustable with velcro fastener
 FR-Reflective-tape, 50 mm
 Metal free version is available



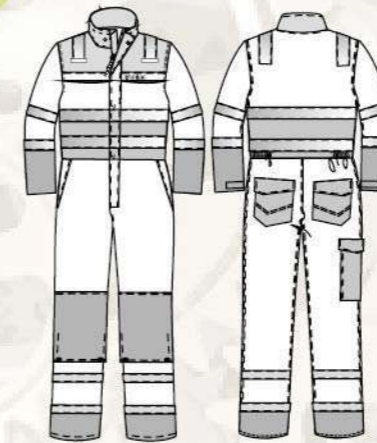
FR33 Pants

Material: Flame retardant 99% cotton 1% carbon fiber 330g
 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 bartacks at the bottom
 Front fly with zip and button
 Hem width-adjustable with Velcro
 FR-Reflective-tape, 50 mm
 Metal free version is available



**FR34 BIB Pants**

Material: Flame retardant 99% cotton 1% carbon fiber 330g
 Bib pocket with flap and velcro fastener
 2 flapped back pockets below waist
 2 back pockets with flap and velcro fasteners
 1 ruler pocket with flap and velcro fastener
 Knee pad pockets with bartacks at the bottom
 Stretch straps with solid buckles
 Front fly with zip and button
 Hem width-adjustable with Velcro
 FR-Reflective-tape, 50 mm
 Metal free version is available

**FR35 Overall**

Material: Flame retardant 99% cotton 1% carbon fiber 330g
 Concealed front zipper with 5 snap fasteners
 2 internal breast pockets with flap and zipper closure
 2 radio loops on front chest
 Sleeve and hem width adjustable with velcro fastener
 2 flapped back pockets below waist
 Ruler pocket and 2 back pockets with flap and velcro fastener
 Knee pad pockets with bartacks at the bottom
 FR-Reflective-tape, 50 mm
 Metal free version is available





FR41B Jacket

Material: 79% cotton 20% polyester 1% carbon fiber 350g /270g
 Concealed ID pocket.
 Concealed front fly zipper with flap and Velcro closure.
 Concealed zipper on left chest pocket.
 Internal pocket with flap on right chest.
 2 side pockets with flap and zipper closure.
 Sleeve and hem ends width adjustable with Velcro fastener.
 FR reflective tape 50mm.



FR42B Pants

Material: 79% cotton 20% polyester 1% carbon fiber 350g /270g
 Front fly with zip and button.
 2 side pockets.
 Removable nail pockets with zippers and Velcro below waist.
 Leg pockets with flap, telephone pocket and pen pocket.
 Side hammer loop
 2 back pockets with flap and velcro closure
 FR reflective tape 50mm.





FR43B Bib Pants

Material: 79% cotton 20% polyester 1% carbon fiber 350g /270g
 Bib pocket with flap and Velcro fastener.
 Stretch straps with solid buckles.
 Concealed press studs on the waist sides.
 2 side pockets.
 Removable nail pockets with zippers and Velcro below waist.
 Leg pockets with flap, telephone pocket and pen pocket.
 Side hammer loop.
 2 back pockets with flap and velcro closure.
 Front fly with zip.
 FR reflective tape 50mm.



FR44B Overall

Material: 79% cotton 20% polyester 1% carbon fiber 350g /270g
 Concealed ID pocket.
 Concealed front zipper with flap and Velcro closure.
 Concealed zipper on left chest pocket.
 Internal pocket with flap on right chest.
 2 side pockets below waist.
 Leg pockets with flap, telephone pocket and pen pocket.
 Side hammer loop.
 2 back pockets with flap and velcro closure.
 Sleeve ends width adjustable with Velcro fastener.
 FR reflective tape 50mm.





FR59 Jacket



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



FR60 Pants



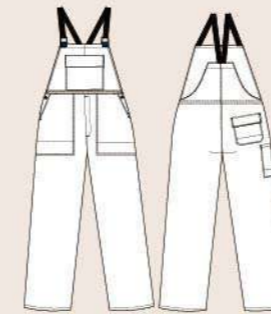
Fabric: 100% cotton 330g
 2 side slant pockets
 zipper & fixed snaps at waist



FR61 BIB Pants



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





FR62 Overall

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



FR31 Overall

Material: Flame retardant 99% cotton 1% carbon fiber 350g
 Concealed 2 way brass zipper on 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.





Heating Plates



F00J057 FR Jacket

Description:
99% cotton 1% carbon fiber 280gsm
Insulated jacket and pants with heating plates and can connect with a power bank.
Adjustable temperature control can provide you warmth under different severe situations.

Jacket hood with adjustable elastic. Customized reflective trim on hood, sleeve, side panel and legs make this design functional and stylish. Two different chest pockets provide easy access to the tools. Adjustable cuff with velcro.



F00P058 FR Pants

Description:
99% cotton 1% carbon fiber 280gsm
Insulated jacket and pants with heating plates and can connect with a power bank.
Adjustable temperature control can provide you warmth under different severe situations.

Elastic and belt loops on waist. Two front pockets with flaps prevent welding sparks falling inside. Two tool pockets on legs. Two back pockets with zipper closure. Customized reflective trim on legs increase visibility and fashion.



Heating Plates



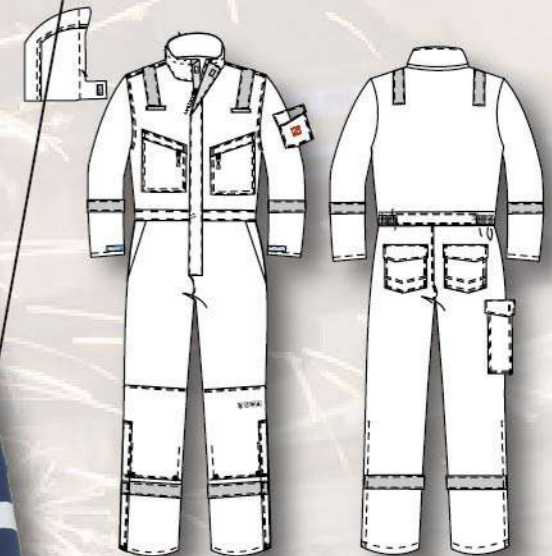


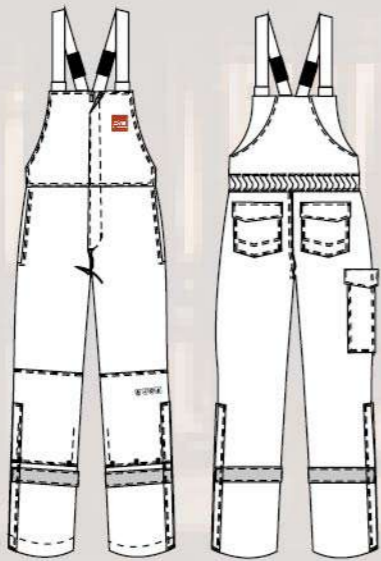
FR36 winter Overall

Material: Flame retardant 99% cotton 1% carbon fiber 350g
 Concealed 2-way brass zipper on 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 fastener
 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



EN 342 EN 11612 EN 11611 EN 1149





FR37 winter BIB Pants

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



FR38 winter Jacket

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





F00J079 FR Multinorm winter jacket

Inherent FR fabric outshell: Modacrylic, cotton, Para-Aramid, , Nylon, Anti-static blended ripstop with PTFE 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.

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.
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

Inherent FR fabric outshell: Modacrylic, cotton, Para-Aramid, Nylon, Anti-static blended ripstop with PTFE 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.

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.



F00J029 FR Hivis Rain Jacket

This hivis rain jacket is made of modacrylic blend FR fabric. This waterproof, breathable FR rain jacket 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. It's designed for rugged multi-hazard work environment.

Front phone pocket with flap.
 Front closure with velcro and easy to wear off.
 Two front pockets with flaps printed with related standard logo.
 Contrast navy color cuff with adjustable velcro and not stains easily.
 Back access slot for pass-through of fall protection harness.
 Wide hood brim to prevent rain fall on face.
 Back hood with elastic provide comfort and fit different head sizes.
 Detachable hood with snaps.
 Ergonomics segment design.
 5cm width heat pressed reflective tape.
 All seams are permanently welded water tight.



Sizing:
XS-4XL

Color:
Hi-vis yellow + Royal blue



F00P030 FR Hivis Rain Pants

This hivis rain pants is made of modacrylic blend FR fabric. This waterproof, breathable FR rain pants 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. It's designed for rugged multi-hazard work environment.

Front pockets with flaps.
 Waist belt loops with velcro and snaps.
 Add straps and it can turn into a bib.
 Elastic waist on both sides to improve comfort.
 Leg zipper closure with velcro and adjustable leg opening.
 Ergonomics segment design.
 5cm width heat pressed reflective tape.
 All seams are permanently welded water tight.



Sizing:
XS-4XL

Color:
Hi-vis yellow + Royal blue



ASTM F2733
ASTM F1891



F00B031 FR Hivis Rain Bib Pants

This hivis rain bib pants is made of modacrylic blend FR fabric. This waterproof, breathable FR rain bib pants 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. It's designed for rugged multi-hazard work environment.

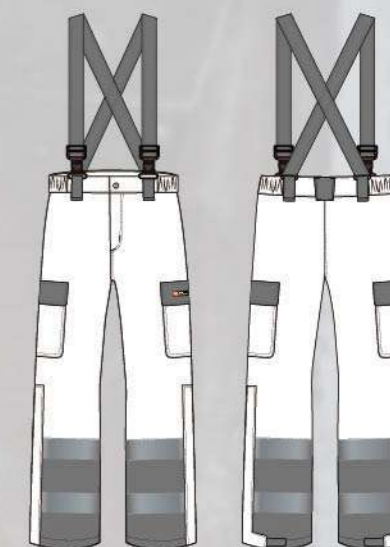
Front pockets with flaps.
Waist belt loops with velcro and snaps. Removable straps.
Elastic waist on both sides to improve comfort.
Leg zipper closure with velcro and adjustable leg opening.
Ergonomics segment design.
5cm width heat pressed reflective tape.
All seams are permanently welded water tight.



ASTM F2733 ASTM F1891

Sizing:
XS-4XL

Color:
Hi-vis yellow + Royal blue



NEW

FR Rain001 Jacket

Concealed FR resin zipper with FR velcro fastener.
 2 breast pockets with flap and FR velcro fastener.
 Left breast pocket with one pen compartments.
 Size-adjustable cuffs with FR velcro fastener.
 2 side pockets with FR velcro closure.
 Back with FR ventilative mesh.
 Lengthening of the rear hem increases back coverage.
 Detachable hood with spring fastener.
 FR heat press reflective tape, 50mm.

FR Rain001 Pants

Side-adjustable waistband with elastic ribbon on both sides.
 Front fly with FR resin zipper closure.
 2 back pockets and left leg pocket with flap and Velcro fastener.
 Left leg pocket with one tool pocket.
 Size-adjustable hem with Velcro fastener.
 FR heat press reflective tape, 50mm.

Material: 3-layer fabric: Ripstop polyester fabric (& AST)
 + breathable FR PU + inherent FR knitting;
 100D fabric for Hivis yellow ± 300 g/m² ;
 300D fabric for Hivis orange ± 340 g/m²



NEW



FR Rain001 Bib Pants

Adjustable straps with buckles.
 Adding stretch straps on the back sides for comfort.
 Size-adjustable waistband with FR elastic ribbon on back side.
 Front fly with FR resin zipper closure.
 1 leg pocket with flap and FR velcro fastener.
 1 tool pocket on leg pocket.
 Size-adjustable hem with FR velcro fastener.
 FR heat press reflective tape, 50mm.

Material: 3-layer fabric: Ripstop polyester fabric (& AST)
 + breathable FR PU + inherent FR knitting;
 100D fabric for Hivis yellow ± 300 g/m² ;
 300D fabric for Hivis orange ± 340 g/m²



NEW

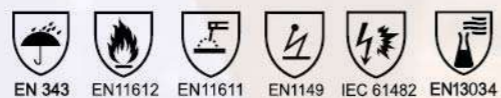


FR Rain006 Jacket

Material: 3layers Bonding Fabric
 Nomex 4.8OZ+PTFE+FR Rayon
 Concealed front zipper and flap and snap buttons.
 2 side pockets with flap and Velcro fasteners.
 Width-adjustable cuffs with snap buttons.
 2 side seams with open-end zippers.
 Back access slot for fall protection harness.
 Size-adjustable rear hem with elastic ribbon.
 Detachable hood with spring fastener.
 50mm yellow-silver FR reflective tape.

FR Rain006 Pants

Material: 3layers Bonding Fabric
 Nomex 4.8OZ+PTFE+FR Rayon
 Size-adjustable waistband with elastic ribbon.
 2 side pockets.
 One left cargo pocket with flap and snap button.
 Hem with open-end zipper.
 50mm yellow-silver FR reflective tape.



ASTM F1506 ASTM F2733 ASTM F1891 NFPA 2112 NFPA 70E

NEW



FR Rain006 Bib Pants

Material: 3layers Bonding Fabric
 Nomex 4.8OZ+PTFE+FR Rayon
 Size-adjustable bib stretch straps with buckles.
 Size-adjustable waistband with elastic ribbon at both sides.
 Hem with open-end zipper.
 50mm yellow-silver FR reflective tape.



ASTM F1506 ASTM F2733 ASTM F1891 NFPA 2112 NFPA 70E

NEW

**FR Rain008 Jacket**

Material:98%PES 2%Carbon+PU coated
 Concealed front zipper and flap and Velcro fastener.
 2 side pockets with flap and Velcro fastener.
 Width-adjustable cuffs with Velcro fastener.
 Size-adjustable hood with drawstring.
 Removable, size-adjustable hood that can be fixed on
 the front and stored in the collar to stand up.
 FR reflective tape,50mm.

FR Rain008 Pants

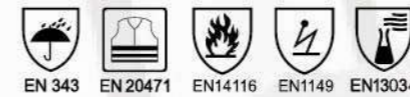
Material:98%PES 2%Carbon+PU coated
 Size-adjustable waistband with elastic ribbon.
 2 side pockets with Velcro closure.
 Width-adjustable hems with Velcro fastener.
 FR reflective tape,50mm.



NEW

FR Rain008 Bib Pants

Material:98%PES 2%Carbon+PU coated
 Size-adjustable stretch straps with buckles.
 Concealed front zipper and flap and snap buttons.
 Left breast pocket with flap and Velcro closure.
 Size-adjustable waistband with elastic ribbon at both sides.
 FR reflective tape,50mm.

**FR013 Softshell Jacket**

Material:100% polyester softshell 95g with FR treatment+TPU FR film 35g
 +Inherent FR Fleece 60% Modacrylic 39% Cotton 1% Carbon fiber 220g
 Concealed front zipper and flap and Velcro fasteners.
 Right chest pocket with flap and Velcro closure.
 Left chest pocket with zipper closure.
 2 side pockets.
 Width-adjustable cuffs with Velcro fastener.
 Detachable and size-adjustable hood with spring fastener.
 Segmented heat reflective tapes,50mm.





P00J056 jacket



Fabric: 4-Way stretch fabric 230g/m², light weight, breathable and comfortable.
High performance Cordura® reinforcements.
Mesh lining for an optimal wearing comfort.
Arm, shoulder and chest protection comply with EN ISO 11393-6 Type A Class 1.

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.

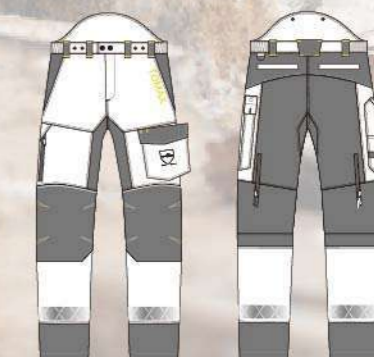


P00P041 Pants



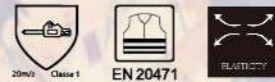
Fabric: 4-Way stretch fabric 230g/m², light weight, breathable and comfortable.
High performance Cordura® knee and hem reinforcements for durability.
Mesh lining for an optimal wearing comfort.
Front protective inlay comply with EN ISO 11393-2 Type A Class 1.

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 plug.
Elasticated waist with loops for belt.
Buttons for detachable braces.





P00P042 Pants



Fabric: Nylon stretch fabric 230 g/m², light weight, breathable and comfortable
 High performance Cordura reinforcements for durability
 Mesh lining for an optimal wearing comfort
 5 layers front protective inlay conform to EN ISO 11393-2 Type A Class 1

Front fly with zip closure
 2 inset pockets with zip closure
 2 thigh pockets with zip closure
 1 double pocket for tools
 Ventilation zipper on the back of the legs
 Elasticated waist with loops for belt
 Bib in back with loops for braces



P00P043 Pants



Fabric: Nylon stretch fabric 230 g/m², light weight, breathable and comfortable
 High performance Cordura reinforcements for durability
 Easy to put it on and off by plastic buckles
 5 layers front protective inlay conform to EN ISO 11393-2 Type B Class 1
 1 pocket on leg
 Pleats on knees for an ergonomic shape
 Woven strips with buckles to adjust on legs and waist



P00J070 Chainsaw safety jacket

Fabric: Durable Poly/cotton 240 g/m²
 High performance Cordura® reinforcements
 Mesh lining for an optimal wearing comfort
 6 layers arm, shoulder and chest protection comply with
 EN ISO 11393-6: 2018, Type A, Class 1

Features:

Heat sealed segmented reflective tapes for great comfort and safety.
 Front zip closure under flap.
 One vertical inset pocket with zip closure on the chest and
 two side pockets with zippers closure.
 Ergonomic sleeves with Cordura® reinforcements and
 Velcro adjustment on cuffs.
 Back aeration through zippers
 Elongated back tail



P00B071 Chainsaw safety trousers

Fabric: Durable Poly/cotton 240 g/m²
 High performance Cordura® knee reinforcements for durability.
 Mesh lining for an optimal wearing comfort
 6 layers front protective inlay comply with EN ISO 11393-2:2018,
 Type A, Class 1

Features:

Heat sealed segmented reflective tapes for great comfort and safety.
 Front fly with zip closure and double press studs on waist.
 2 side pockets with zippers.
 2 inset back pockets with zippers.
 1 pocket for measuring equipment and spark plug.
 Elasticated waist with loops for belt.
 Back aeration through zippers.
 Removable braces with buttons connecting to trousers.





P00J083 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 havis 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 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 havis 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.





P00J081 Jacket

Shell Fabric: 96%polyester 4%spandex, 250gsm;
Knit fabric: 98 %polyester 2%spandex, 350gsm

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

Features:

- High stretch knit on sleeves and side panels.
- Soft microfleece on collar.
- Continuous 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.



P00J084 Jacket

Shell Fabric: 96%polyester 4%spandex, 250gsm;
Knit fabric: 98 %polyester 2%spandex, 350gsm

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

Features:

- High stretch knit on sleeves and side panels.
- Soft microfleece on collar.
- Continuous 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.



P00J082 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 havis 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 Jacket

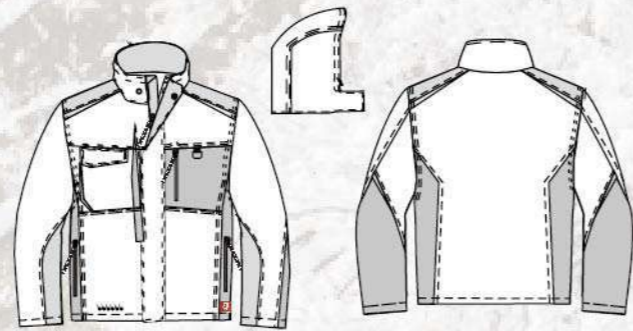
Shell Fabric: 100% polyester 300gsm
Knit fabric: 98 %polyester 2%spandex, 350gsm

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 havis 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.





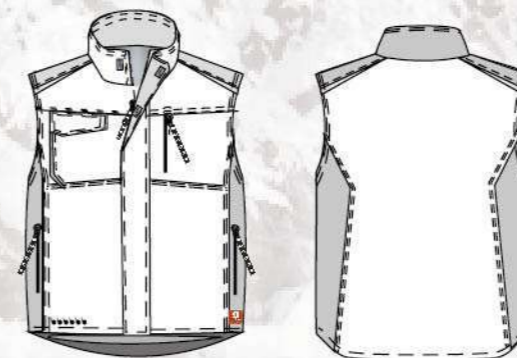
WT14 Softshell Jacket

Out shell Material: 96% polyester 4% spandex 320g
 Lining Material: 100% polyester; Thermo silver lining
 Water-repellent, windproof and breathable
 Quilt lining with the thermo-reflector zone in the back keeps you warm in cold days.
 Soft micro fleece inside collar.
 Hidden zip with chin protector.
 2 side pockets, 2 inner pockets and 1 breast pocket, each with zip
 Right chest pocket with flap and Velcro fastener
 Detachable, size-adjustable hood.
 Elastic inner sleeves.
 Adjustable hem
 Reflectors for safety are integrated into the dividing seams.
 3-layer laminate



WT16 Softshell bodywarmer

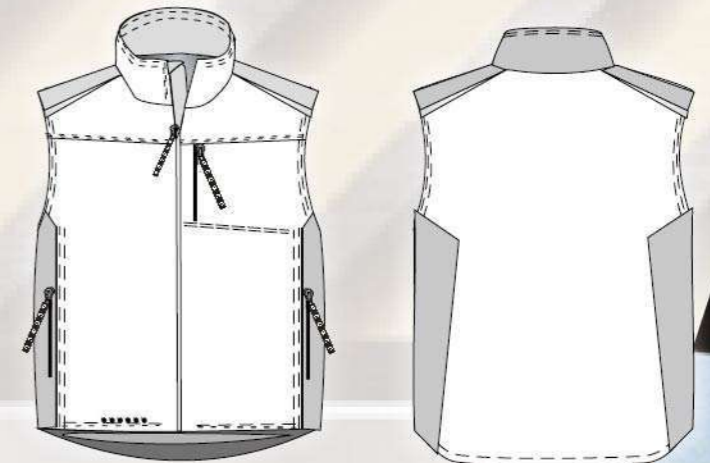
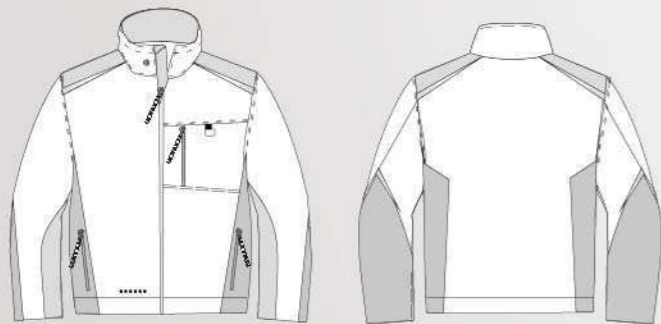
Material: 96% polyester 4% spandex 320g
 Water-repellent, windproof and breathable
 Quilt lining with the thermo-reflector zone in the back keeps you warm in cold days.
 Soft micro fleece inside collar.
 Hidden zip with chin protector.
 2 side pockets, 2 inner pockets and 1 breast pocket, each with zip
 Right chest pocket with flap and Velcro fastener
 Adjustable hem
 Reflectors for safety are integrated into the dividing seams.





OW15 Softshell Jacket

Material: 96% polyester 4% spandex 320g
 Water-repellent, windproof and breathable
 Ultra-light and stretchable
 Soft micro fleece inside collar
 Continuous zip with chin protector.
 2 side pockets and breast pocket each with zip
 Adjustable hem
 Reflectors for safety are integrated into the dividing seams.



OW17 Softshell Vest

Material: 96% polyester 4% spandex 320g
 Water-repellent, windproof and breathable
 Ultra-light and stretchable
 Soft micro fleece inside collar
 Continuous zip with chin protector.
 2 side pockets and breast pocket each with zip
 Adjustable hem
 Reflectors for safety are integrated into the dividing seams.

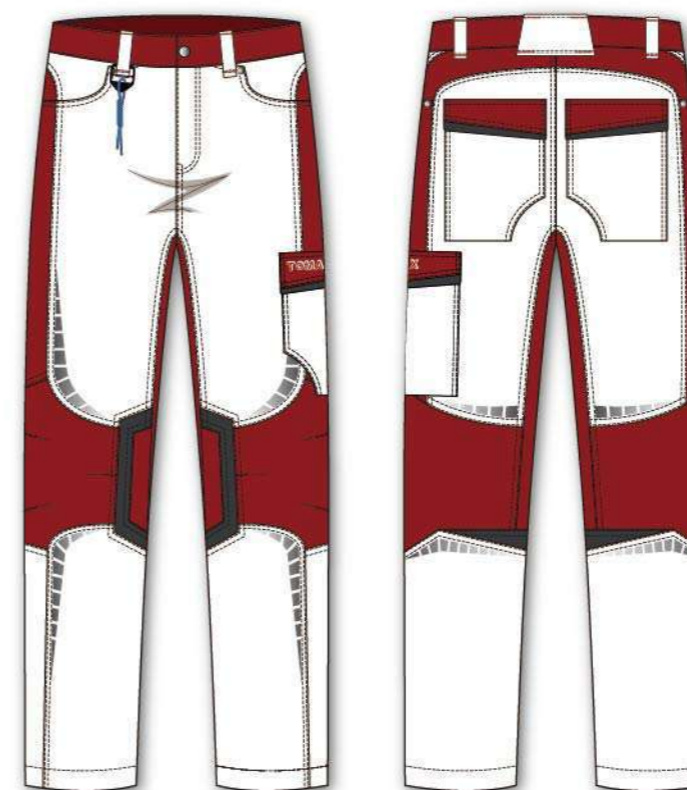




P00J128 Stretch work jacket

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 underlap.
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.



P00P130 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.



P00S131 Stretch work shorts

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.
Extra visibility with the help of reflectors.
Contrast colouring for fashionable style.





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.

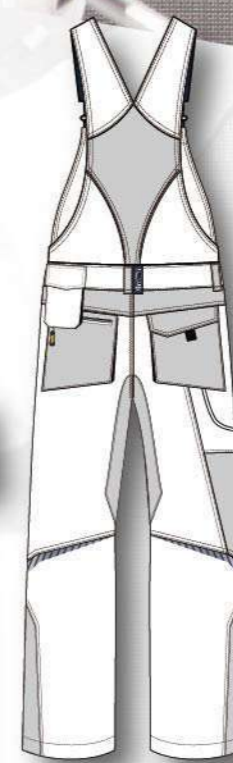
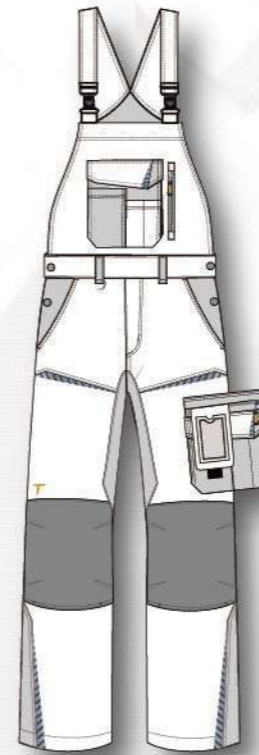
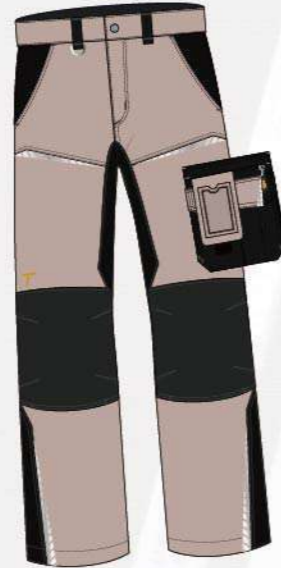


P00B134 Stretch work bib-pants

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.




JP002 Jacket

Material: Canvas 65%polyester 35%cotton 250g
 Front panel and sleeve stitching stretch fabric.
 Chest pocket using Cordura® fabric.
 Adding reflective strips on shoulder and side seams.
 Breast pockets with flaps and velcro reinforcement.
 Front, back and sleeves added Hot pressed reflective strip.

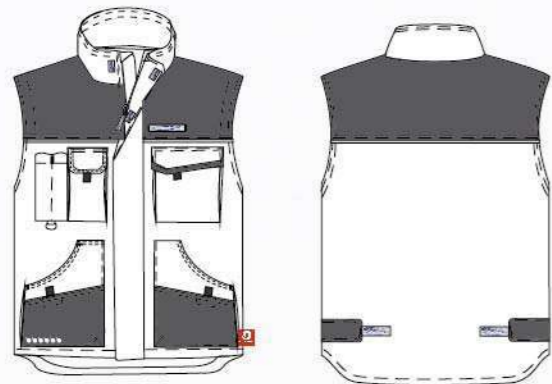
PP002 Pants

Material: Canvas 65%polyester 35%cotton 250g
 The pocket is covered with a reflective strip.
 The trouser pocket adds a transparent cassette.
 The trousers are designed with a hot-pressed reflective strip.
 The crotch, the foot, and the rear yoke are stitched with elastic fabric.
 Knee and back pocket use of Cordura® fabric.

BP002 Bib Pants

Material: Canvas 65%polyester 35%cotton 250g
 The chest pocket is covered with a reflective strip.
 The trouser pocket is added with a transparent cassette.
 The trousers are designed with a hot-pressed reflective strip.
 The back, ankle, foot, and rear Yuke are stitched with elastic fabric.
 Knee and back. Pocket use of Cordura® fabric.





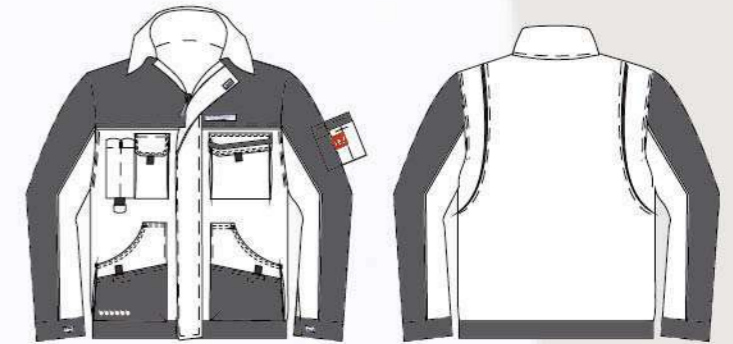
WK01 Vest

Material: Canvas 65% polyester 35% cotton 320g
 Left breast pocket with flap and Velcro fastenings, right with mobile phone and pen compartments.
 2 large side pockets with Cordura® reinforcement.
 Adjustable waistband with Velcro fastener.
 For safety: Reflective piping on the chest and back.
 Concealed front YKK® zip with flap and Velcro fastener.



WK02 Jacket

Material: Canvas 65% polyester 35% cotton 320g
 Left breast pocket with flap and Velcro fastenings, right with mobile phone and pen compartments.
 Sleeve pocket left, with pen compartments.
 2 large side pockets with Cordura® reinforcement.
 Comfortable pleat in the back.
 Adjustable cuffs with Velcro fastenings.
 For safety: Reflective piping on the chest and sleeves.
 Concealed front YKK® zip with flap and Velcro fastenings.



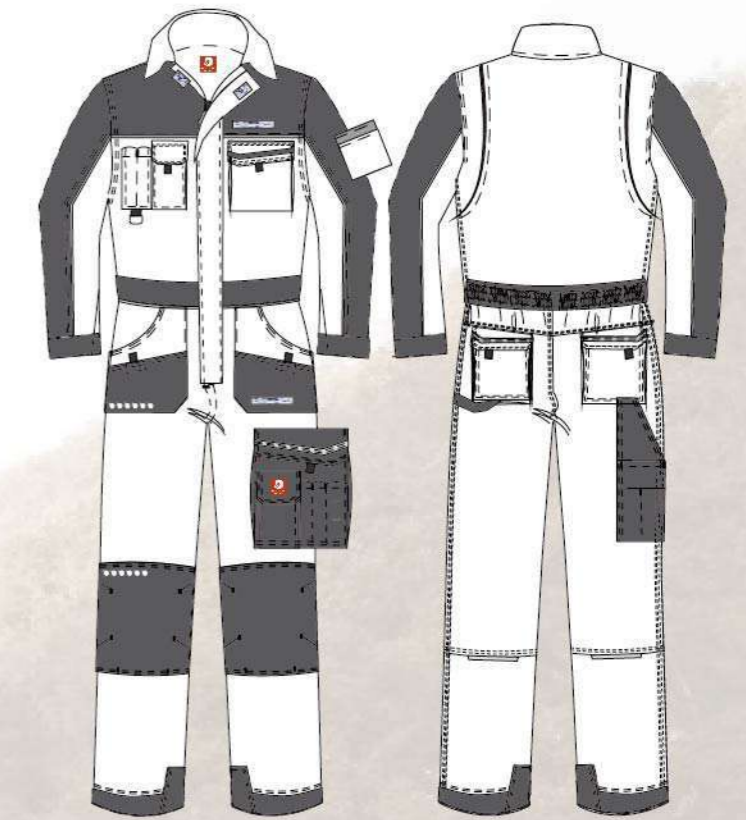
WK03 Pants

Material: Canvas 65% polyester 35% cotton 320g
 Knee pad pockets and leg hem reinforced with Cordura®.
 2 large expanding front pockets with Cordura® reinforcement.
 2 seat pockets, with flap and Velcro closure.
 Multi-functional thigh pocket with flap and Velcro fastening,
 attached mobile phone pocket and tool compartments.
 For safety: reflectors on back leg and flap of thigh pockets & seat pockets
 Hammer loop on the left.
 Two yard stick pockets on the right back, with pen compartments.
 Belt loops and YKK® zip.


WK04 BIB Pants

Material: Canvas 65% polyester 35% cotton 320g
 Knee pad pockets and leg hem reinforced with Cordura®.
 Elasticated waistband.
 Breast pocket with flap and Velcro fastenings.
 Elastic braces with sturdy clip buckles
 2 large expanding front pockets with Cordura® reinforcement.
 2 seat pockets, with flap and Velcro closure.
 Multi-functional thigh pocket with flap and Velcro fastening,
 attached mobile phone pocket and tool compartments.
 For safety: reflectors on front waist, back leg and flap of pockets.
 Hammer loop on the left.
 Two yard stick pockets on the right back, with pen compartments.
 Belt loops and YKK® zip.

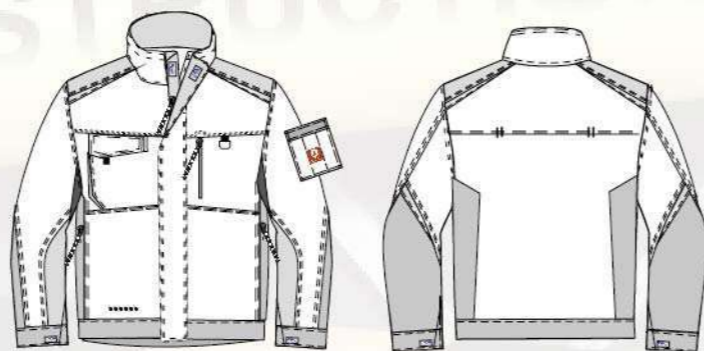




WK05 Overall

Material: Canvas 65% polyester 35% cotton 320g
 Knee pad pockets and leg hem reinforced with Cordura®.
 Left breast pocket with flap and Velcro fastenings, right with mobile phone and pen compartments.
 Sleeve pocket left, with pen compartments.
 Comfortable pleat in the back.
 Adjustable cuffs with Velcro fastenings
 Elasticated waistband.
 2 large expanding front pockets with Cordura® reinforcement.
 2 seat pockets, with flap and Velcro closure.
 Multi-functional thigh pocket with flap and Velcro fastening, attached mobile phone pocket and tool compartments.
 For safety: reflectors on back leg and flap of pockets
 Hammer loop on the left.
 Two yard stick pockets on the right back, with pen compartments.
 Concealed front 2-way YKK® zip.



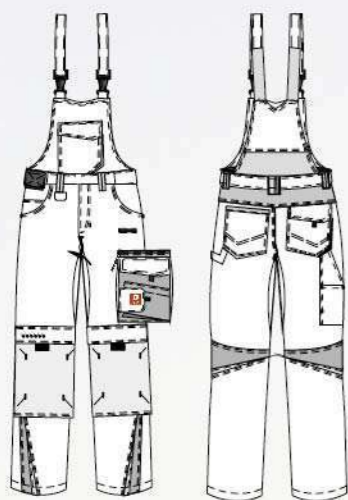
**WK10 Jacket**

Material: 65% polyester 35% cotton 250g
 Upright collar with microfleece inside
 Left chest pocket and two side pockets with zip
 Right chest pocket with flap and Velcro fastener
 Optimum air circulation thanks to the vents on back.
 For safety: reflectors on yoke and sleeves.
 Anatomically shaped sleeves with three pen compartments on left
 Concealed front YKK® zip with flap and Velcro fastener.

**WK11 Pants**

Material: 65% polyester 35% cotton 250g
 Knee pad pockets reinforced with Cordura®.
 Waistband with elasticated side elements, softly roughened on the inside
 Preformed knee zones with knee pad pockets, with Velcro fastener at the top.
 2 side and 2 back pockets, one with Velcro fastener
 Functional ruler pocket and multi-compartment thigh pocket
 For safety: reflectors on the leg
 Belt loops and YKK® zip.





WK12 BIB Pants

Material: 65% polyester 35% cotton 250g
 Knee pad pockets reinforced with Cordura®.
 Waistband with elasticated side elements, softly roughened on the inside.
 Breast pocket with flap and Velcro fastenings.
 Elastic braces with sturdy clip buckles.
 Stretch fabric on waistband at the back for wearing comfort.
 Preformed knee zones with knee pad pockets, with Velcro fastener at the top.
 2 side and 2 back pockets, one with Velcro fastener.
 Functional ruler pocket and multi-compartment thigh pocket.
 For safety: reflectors on the leg.
 Belt loops and YKK® zip.



WK13 Overall

Material: 65% polyester 35% cotton 250g
 Knee pad pockets reinforced with Cordura®.
 Upright collar with microfleece inside.
 Optimum air circulation thanks to the vents on back.
 2 breast pockets, left with zip, and right one with flap and Velcro closure.
 Anatomically shaped sleeves with three pen compartments on left
 2 slit pockets allowing access to garments underneath
 Preformed knee zones with knee pad pockets, with Velcro fastener at the top.
 2 side and 2 back pockets, one with Velcro fastener.
 Functional ruler pocket and multi-compartment thigh pocket.
 For safety: reflectors on shoulder, leg and sleeves.
 Concealed front YKK® zip with flap and Velcro fastener.





Cordura®
 *10x more durable than cotton duck*3X more durable than standard polyester*2x more durable than standard nylon. It's resistant to abrasions, tears, and scuffs--all the qualities you expect from a high performance fabric. So regardless of your activities, you'll benefit from the toughness of Cordura®.



Reflectors
 Small reflectors on the garments can be crucial to your safety. It increases your chance of being seen.



Windproof
 The windproof clothes can keep you warm in cold days. When the wind blows through the garment, it keeps the warm layer of air next to your skin.



Waterproof
 Waterproof clothing is made of a natural or synthetic fabric that has been coated with a substance to repel water. In addition, the zippers are also waterproof and seams are taped on the back.



Breathable
 Breathability in waterproof clothing is especially important when you wear while working in cold environments. It helps get rid of the moisture to protect underclothes from getting wet, while allowing sweat to evaporate and escape from a person's skin or clothes.



Triple stitched seams
 Triple stitched seams placed on clothes most exposed areas, such as outside and inside of the leg, prolonging the wearability of clothing.



Knee pad pocket
 The clothes with knee pad pockets design ensure that the knee pads will remain in place while kneeling down, and while walking on knees.



Soft, stretchable, good mobility.
 Textiles with the spandex material are also extra lightweight but still very durable so that you always feel comfortable however strenuous the task.



EN 342 Protective clothing – ensembles and garments for protection against cold.
 This European standard specifies requirements and test methods for performance of clothing ensembles (i.e. two piece suits or coveralls) and of single garments for protection against cold environment.



EN 343 Protective clothing – Protection against rain
 This European standard specifies requirements and test methods applicable to material and seams of protective clothing against the influence of precipitation (e.g.rain, snowflakes), fog and ground humidity.The standard provides for two performance parameters:Y=Breathable properties – 3 levels.X=Waterproofness – 3 levels.



EN ISO 11611
 Protective clothing for use in welding and allied processes.Supersedes EN 470-1:1995
 The protective clothing is intended to protect the wearer against small splashes of molten material, short contact time with flame, radiant heat from ARC, the clothing minimizes the possibility of electricalshock by short accidental contact with live electrical conductors up to 100 V d.c. voltages.The standard specifies 2 classes with specific performance requirements: Class 1 - lower level:less hazardous welding situations. Class 2 - higher level:more hazardous welding situations



EN ISO 11612
 Protective clothing - Clothing to protect against heat and flame.Supersedes EN 531:1995.
 The standard specifies the performance requirements for garments which protect the body from heat and flame (except the hands). The standard is not applicable for fire fighters (EN 469) and welders (EN 470 - EN ISO 11611).Code A: limited flame spread Code B: Protection against convective heat – 3 levels.Code C: Protection against radiant heat – 4 levels.Code D: Protection against molten aluminum splash.Code E: Protection against molten iron splash.Code F: Protection against contact heat



EN ISO 14116
 Protective clothing - Protection against heat and flame - Limited flame spread materials, material assemblies and clothing
 This international standard specifies the performance requirements for the limited flame spread properties of materials and protective clothing. The aim is to reduce the possibility of the clothing burning and thereby itself constituting a hazard: the wearer should not get extra injuries due to the burning of his clothing.
 The standard is not applicable for fire fighters (EN 469) and welders (EN 470 - EN ISO 11611).



IEC 61482
 Live working – Protective clothing against the thermal hazards of an electric arc – Part 1-2: Test methods – Method 2:
 Determination of arc protection class of material and clothing by using a constrained and directed arc (box test)
 An electric arc or blast as a result of a disruption (e.g. a short circuit) in an electric installation generates a sudden release of intense heat and light causing serious burns, blindness or even death..This blazing bright electric discharge between two conducting electrodes.lasts for a very short time (0.5s, 1s and rarely >1s)develops a very strong radiant heat (several thousand °C) creates high physical forces, a pressure wave and pressure shrapnel
 a splash of molten metal particles or even vaporized metal up to 165 db noise



EN ISO 1149
 Electrostatic properties of protective clothing.EN 1149-5:2008 - Performance requirements.Anti-static PPE are certified to EN 1149-5 as this standard covers the performance requirements and refers to the choice of 2 different test methods (EN 1149-1 or EN 1149-3)EN 1149-1:2006 - Measurements of surface resistivity.This test method is most appropriate for materials for which the electrostatic dissipative behavior is based on surface conductivity (for instance containing surface conductive yarns or a homogenous conductive outside PVC coating layer). This method is not appropriate for core conductive fibers.EN 1149-3: 2004 - Measurements of charge decay.This test method is referenced for materials for which the electrostatic dissipative behavior is based on core conducting fibers. but can also be used for surface conducting materials.In the 1149 series, there is also an EN 1149-2 (measurement of the electrical resistance through a material; the vertical resistance), which is used as a test method in EN ISO 11611 (welders clothing) and which is also mentioned in Annex H of EN 469:2005. A full garment test is under development and will be issued as EN 1149-4.



EN ISO 20471
 High-visibility warning clothing for professional use- Test methods and requirements.Supersedes EN471:2003+A1:2007.Visibility during the day, in the twilight and in the dark.Thanks to high-visibility warning clothing, the visibility of the pedestrian / wearer can be improved reducing the risk of accidents.The EN 471 High-vis warning clothing has two different performance classes:x: the surface of fluorescent and retro-reflective material (3 levels)The proportion of fluorescent background material and retro-reflective material.y: the performance of the retro-reflective material (2 levels)There are two performance classes for retro-reflective material (the commonly used class 2 and the very rarely seen lower performing class 1.



EN ISO 11393-2
 Garments that comply with the EN ISO 11393-2 standard provide protection against hand-held chainsaws. The area that is protected are the legs. Chainsaw trousers are essential protective garments for anyone who is operating a chainsaw.

EN ISO 11393-6
 Garments that comply with the European EN ISO 11393-6 standard provide protection against hand-held chainsaws. The protected area is the upper part of the body. Two types can be distinguished.