



KÜBLER SAFETY X

COMPACT

INSPIRED BY YOUR JOB.


KÜBLER
WORKWEAR

KÜBLER WORKWEAR

INSPIRED BY YOUR JOB.

If you work hard, you also deserve the best workwear. Since 1956 KÜBLER has made every effort to ensure that our workwear supports the wearer in all respects. Inspired by the challenges of daily working life, we pursue the vision of developing extraordinary products which purposely support our physical processes.

With a unique combination of intelligent functions, select materials, modern design and clever details, we ensure that industrial workers, craftsmen and labourers feel comfortable at work – the optimal condition for consistent top performance. Our hard work has finally paid off; KÜBLER is one of the world's leading providers of workwear.

Look forward to a whole new work atmosphere!



SAFETY X COMPACT AT A GLANCE

SAFETY X COMPACT stands for uncompromising protection with no loss of functionality. The collection combines multi-certified safety with robust workmanship and durable materials – designed for daily use in challenging conditions. Metal free and optimised for industrial laundry, this personal protective equipment is hard-wearing, comfortable and retains its form even when frequently worn and washed.

An overview:

| PRODUCT | COLOUR | ITEM NUMBER | SIZES | PAGE |
|-----------|------------------------|-----------------|----------------------|------|
| Jacket | dark blue anthracite | 1879 8413-4897 | 44-64, 90-110, 24-29 | 12 |
| | anthracite black | 1879 8413-9799 | 44-64, 90-110, 24-29 | |
| Trousers | dark blue anthracite | 2881 8413 -4897 | 44-64, 90-110, 24-29 | 14 |
| | anthracite black | 2881 8413 -9799 | 44-64, 90-110, 24-29 | |
| Dungarees | dark blue anthracite | 3880 8413 -4897 | 44-64, 90-110, 24-29 | 16 |
| | anthracite black | 3880 8413 -9799 | 44-64, 90-110, 24-29 | |

USABLE WITHOUT HESITATION.

WIR FÜHREN PRODUKTE MIT DEM SIEGEL:

**GRÜNER
KNOPF**

SOZIAL. ÖKOLOGISCH. STAATLICH.
UNABHÄNGIG ZERTIFIZIERT.

GREEN BUTTON 2.0

The Grüner Knopf is a government seal for sustainable textiles. It systematically checks whether companies take responsibility for compliance with human rights and environmental standards in textile supply chains. In addition, recognised quality marks must be used to demonstrate that the product in question has been produced sustainably.

We have passed the test for the Grüner Knopf 2.0 and thus meet the stricter requirements of the textile seal. With the seal, we also demonstrate that we are committed to fair wages, set sustainability goals and systematically analyse, identify and address risks in our textile supply chains. In future, our certificates and products with the Grüner Knopf label will only consist of approved fibres.



OEKO-TEX® STANDARD 100

Our goal is to offer products that are harmless to health and highly functional at the same time. It is very important that the materials used are well tolerated by the skin. The clothing must not contain any substances that are harmful to health, especially if it is worn for long periods of time during heavy physical work. The clothing must not contain any substances that are harmful to health, especially if it is worn for long periods of time during heavy physical work. Our products are therefore tested for harmful substances and almost all of them have the OEKO-TEX® Standard 100 certificate.

OEKO-TEX® Standard 100 is an independent, internationally recognised testing and certification system. The world's leading health label for textiles stands for "textile confidence" like no other. Products with the OEKO-TEX® certificate have been tested for harmful substances by independent testing institutes. These tests are bound by fixed limit values, some of which are higher than those required by law.

SAFETY IN FOCUS.

SAFETY X COMPACT

Exposed to danger every day of your daily working life, in situations where you can count on uncompromising protection. Whenever the going gets tough, and resilience and exertion are tested, you must be able to rely on your protective clothing 100 per cent.

The new multi-certified SAFETY X COMPACT collection combines the highest level of safety, features that comply to standards and resilient materials - reduced to the fundamentals: Reliable protection. Precision. Functionality. Strength.

SAFETY X COMPACT is optimised for industrial laundry and can also withstand sustained, intensive cleaning processes.

How does SAFETY X COMPACT perform at work? See for yourself and visit our YouTube channel.





FUNCTIONAL BENEFITS

COMFORT ZONE

Ergonomic. Flexible. Well thought out. Ergonomic sleeves and legs with room for movement provide optimal freedom when working in any position. The sleeve cuffs can be adjusted using snap fasteners. The kidney protection and the adjustable waistband of the dungarees allow for a perfect fit and provide additional protection.

ANTI SCRATCH

Metal free. Safe. Comfortable. This protective clothing is completely metal free. Plastic zips avoid thermal bridges and increase the wearer's comfort regardless of the temperature. A concealed button on the waistband of the trousers ensures a secure fit, while robust velcro fastenings reliably close pockets without any risk of scratching.

SMART POCKET

Safely secured. Carefully considered protection. The pocket flaps are especially wide and conform to standards preventing splashes of metal or sparks from entering pockets. The clever layout and practical design of the pockets ensure that tools and equipment are at hand at all times without compromising on safety.

SMART REPAIR

Easy to repair. Longer in use. Pockets and zips have been designed so they are quick and easy to swap out, if necessary. This saves time, reduces downtime and extends the life of your protective clothing.

HARD ZONE

Strong when it matters. The robust, multi-certified fabric withstands abrasion, friction and mechanical load while at the same time protecting against external hazards, so your protective clothing reliably remains in use for longer. In areas that are particularly stressed the load points are reinforced with bartack.

BE SAFE

Certified protection. Always safe. SAFETY X COMPACT is certified in accordance with the European PPE Regulation (EU) 2016/425 and complies with the latest standards. This ensures you are always well-equipped even in the most challenging work environments.

PRO CLEAN

All products have been laboratory tested in accordance with EN ISO 15797 and are suitable for industrial laundry. In addition KÜBLER constantly tests textile care under industrial conditions with reliable partners.





DESIGN BENEFITS

STYLE POINT

Precision. Safe. Professional. Two colour combinations with striking contrast inserts characterise the modern look of SAFETY X COMPACT. The precise design underlines the technical standards of the collection and provides a strong presence in your everyday working life. Embroidered pictograms clearly denote the workwear as personal protection equipment and at the same time provide a premium, durable look. Visually well thought out and reliable in use.

EASY BRAND

Individual. Safe. Well thought out. There are designated areas on sleeves, chest pockets and the back which may be used for company logos in compliance with standards. This allows the protective clothing to be individually finished without compromising certified protection. A well thought out detail that perfectly combines safety and corporate identity.

COLLECTION HIGHLIGHTS



STAND-UP/TURN DOWN COLLAR

The high closing collar prevents the penetration of sparks and spatter. The helm visor overlaps the stand-up collar, so that the neck area is optimally protected against heat and radiation. The front placket is closed with plastic snap fasteners and velcro.

CHEMICAL PROTECTION

The specially treated fabric provides secure protection against light splashes, aerosols and chemical mist. This reliably protects the skin from liquids and fine particles without affecting breathability or comfort.



GARMENT CONSTRUCTION

The pocket flaps are much wider than the pocket openings so that no spatter can get into the pockets. The jackets, trousers and dungarees are constructed in accordance with the "overlapping principle". All flaps and stitching are positioned so that no spatter can remain on the edges.



SUITABLE FOR INDUSTRIAL LAUNDRY

The flame retardant finishing continues to reliably adhere to the fabric even after 50 industrial washes providing long-lasting protection and consistent security in everyday working life.

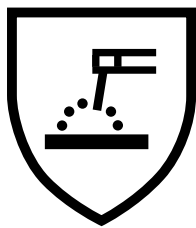
ADJUSTABLE SLEEVE CUFFS

The width of the cuffs can be adjusted using the plastic snap fasteners allowing gloves to be easily put on and providing optimal protection. The snap fasteners are finished in a way that prevents external heat from flowing internally.



ERGONOMICALLY TAILORED

The ergonomic contouring with additional room in the sleeves and legs provides greater freedom of movement, even when working overhead, bending over or in confined spaces. The longer jacket extends beyond the waistband of the trousers thereby preventing the penetration of sparks and spatter.



THE GARMENT IS MARKED WITH THIS PICTOGRAM. THE PICTOGRAM INCLUDES THE NAME OF THE INTERNATIONAL STANDARD, THE CLASS (CLASS 1 OR CLASS 2) AND THE FLAME TEST USED (A1 AND/OR A2).

EN ISO 11611 PROTECTIVE CLOTHING FOR USE IN WELDING AND ALLIED PROCESSES

This international standard regulates the performance requirements for clothing which should protect the wearer when welding and carrying out associated activities with comparable risk, where the wearer is exposed to hazards such as molten metal splashes, short contact time with flame and exposure to radiant heat.

THERE ARE TWO PERFORMANCES CLASSES:

CLASS 1 (LOWER CLASS):

Protection against less hazardous welding techniques and situations causing lower levels of spatter and radiant heat.

PERFORMANCE REQUIREMENT: Resistant to at least 15 drops of metal.
Heat transfer (radiant heat) RHTI 24 \geq 7 seconds.

CLASS 2 (HIGHER CLASS):

Protection when welding in confined spaces and working in forced postures.

PERFORMANCE REQUIREMENT: Resistant to at least 25 drops of metal.
Heat transfer (radiant heat) RHTI 24 \geq 16 seconds.

Certified PPE for the head, face, hands and feet should also be worn for comprehensive protection against all risks which welders are normally exposed to.

PLEASE NOTE: Contamination, such as dirt and perspiration, may affect the protection provided, as well as other factors, such as humidity.

EN ISO 11612 CLOTHING TO PROTECT AGAINST HEAT AND FLAME

CLOTHING IS IDENTIFIED
WITH THIS PICTOGRAM.



Clothing which fulfils the requirements of EN ISO 11612 protects the wearer against short contact time with flame and, to a small extent, against one type of heat transmission. The types of exposure to flame and heat transmission are differentiated as follows:

CODE A Limited flame spread
A1: Surface flame | A2: Edge flame

CODE B Convective heat | Performance levels: B1–B3

CODE C Exposure to radiant heat | Performance levels: C1–C4

CODE D Molten aluminium spatter | Performance levels: D1–D3

CODE E Molten iron spatter | Performance levels: E1–E3

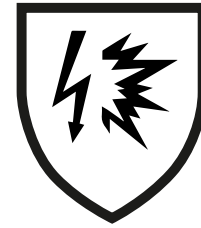
CODE F Contact heat | Performance levels: F1–F3

Heat transmission may occur singularly or in combination. Products which fulfil the requirements of EN ISO 11612 must always meet the flame spread classification A1 or A2 (or both) and that of at least one other letter. The performance level achieved must be stated on the label after the letters. The higher the number, the higher the protection.

POSSIBLE USES OF PROTECTIVE CLOTHING IN ACCORDANCE WITH EN ISO 11612:

Utility companies (electricity, gas, water, district heating, cable technology) | Disposal companies (industrial sludge, mineral oil processing, metal recycling) | Chemical companies | Petrochemical/ refineries | Transport companies (transport of hazardous materials, transport of cooler/warmer hazardous materials) | Areas at risk of overheating and explosion (steelworks, automotive industry, metal working companies, glass processing).

IEC 61482-1-2 PROTECTION AGAINST THE THERMAL HAZARDS OF AN ELECTRIC ARC



CLOTHING IS IDENTIFIED WITH THIS PICTOGRAM.

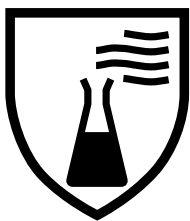
The degree of protection of personal protective equipment (PPE) is determined using box testing (directed arc) or open arc testing (open, undirected arc). Open arc testing results in an ATPV value (Arc Thermal Performance Value, commonly used in the USA/Canada) or an ELIM value (Energy Incident Limit, commonly used in the EU). ATPV measures the incident energy level where there is a 50% probability of the wearer of the PPE receiving a second-degree burn determined using a statistical method. The ELIM value is the maximum thermal energy where the probability that the wearer would receive a second-degree burn is 0%. Both values are given in calories per cm².

This standard defines test methods for protective clothing used in work situations where the thermal hazards of an electric arc may occur. An electric arc arises when an electrical current ionizes gases in the air. It is an unwanted and unpredictable connection occurring between two conductors. Generally this connection lasts for less than a second. An electric arc can be triggered by various things during electrical work: Incorrect handling, technical defects, contamination by foreign bodies in the system, changing weather conditions (e.g. increased humidity). Temperatures can exceed 10,000°C during an arc flash. Suitable protective clothing should largely prevent the thermal hazards of an electric arc. This protection is only afforded when wearing a complete, closed suit. In addition, protective headgear and gloves may also have to be worn, depending on the hazard analysis of the location. The clothing is, however, not electrically insulated protective clothing and it does not protect against electric shock.

Protective clothing against the thermal hazards of an electric arc is divided into two protective classes. These differ depending on the size of the electric arc energy and the incident energy. The electric arc protective classes are indicated with APC 1 or APC 2.

The following table gives an overview of the relevant parameters of each test category:

| TEST CATEGORY | Average electric arc energy W_{arc} [kJ] | Average incident energy E_{10} [kJ/m ²] | Test current [kA] | Electric arc duration [ms] |
|---------------|--------------------------------------------|-------------------------------------------------------|-------------------|----------------------------|
| APC 1 | 158 | 135 | 4 | 500 |
| APC 2 | 318 | 423 | 7 | 500 |

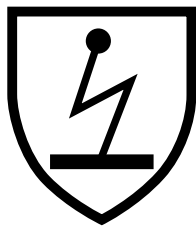


EN 13034 TYPE 6 PROTECTIVE CLOTHING AGAINST LIQUID CHEMICALS

This standard provides minimum requirements for limited use chemical protective suits (type 6). It offers limited protection against the effects of liquid aerosols, sprays and splashes of chemicals. This protective clothing is intended to be used in cases where the risk of injury has been assessed as low as the wearer would be able to take timely adequate action when their clothing is contaminated. Protective clothing of this type forms the lowest performance level of chemical protection. Special chemicals must be tested in advance. This clothing is labelled with the pictogram and the standard EN 13034 Type 6.

EN ISO 13688 PROTECTIVE CLOTHING - GENERAL REQUIREMENTS

This standard regulates the general requirements for ergonomics, ageing, sizes and marking of protective clothing. Clothing must be developed to provide the user with maximum comfort. The components and materials used may not have any undesirable side effects, i.e. they must not cause any allergies, inflammation or injuries. In order to guarantee this, all materials used must be tested or be OEKO-TEX® certified.



CLOTHING IS IDENTIFIED WITH THIS PICTOGRAM.

EN 1149-5 ELECTROSTATIC PROPERTIES

Electrostatic discharge results from a surplus or lack of electrons on the surface of a substance or body. This phenomenon particularly occurs in areas where low or non-conductive substances participate in friction or cutting processes, such as the unwinding of paper or fabric from rollers, walking on insulating flooring, bottling liquids and transporting powdery substances in tubes, for example.

How quickly an item of clothing becomes charged is dependent on the material, speed and humidity, amongst others. In order to avoid/immediately dissipate this static discharge either electrostatic dissipative threads are woven into the fabric of protective clothing or a certain amount of electrostatic dissipative fibres are spun into the processed threads.

In areas at risk of explosion protective clothing and people may not build up electrostatic charge. Electrostatic dissipative protective clothing is used here in combination with electrostatic dissipative safety shoes on electrostatic dissipative earthed flooring. The protective clothing must fully close and be close fitting. It must not be put on or taken off in areas at risk of explosion.

EN 1149 specifies testing rules for electrostatic dissipative protective clothing to avoid incendiary discharges. The evaluation is carried out in accordance with EN 1149-3:2001.

PLEASE NOTE: Non-conductive additional components on the outer side of clothing, such as labels, customer logos and reflective stripes may not be wider than 5 cm, must be restricted to a maximum area of 10 x 10 cm and be permanently affixed to the clothing. Additional components that exceed these sizes must have test data to evidence that flammable discharges cannot occur in unfavourable conditions.

POSSIBLE USES OF PROTECTIVE CLOTHING IN ACCORDANCE WITH EN 1149:

Chemical/pharmaceutical industry |
Refineries | Fuel depots | Blending facilities |
Paint shops | Mills | Mixing plants and conveyors | Emptying silo trucks

EN ISO 15797 INDUSTRIAL WASHING AND FINISHING PROCESSES FOR TESTING WORKWEAR

The standard simulates the effects of industrial washing of workwear using described procedures. There are eight different washing procedures of the washing-centrifuge type. Tumble drying or tunnel cabinet finishing are provided for drying. It is technically impossible to simulate an industrial washing procedure in a laboratory setting. The standard only provides an approximation in a medium-sized test facility in order to carry out the assessment. In order to definitively assess the compatibility of the product and the washing procedure, the standard advises testers that the workwear in question must be tested using the actual industrial washing facility and the procedures intended for use.

PROFESSIONAL INDUSTRIAL LAUNDRY

Textiles which are suitable for professional cleaning are shown by a rectangle with **PRO** in inverted capital letters.

WASHING

Each number stands for one of the eight washing procedures described in **EN ISO 15797**. The number of the process that the textile has been tested with has a dark background.

DRYING

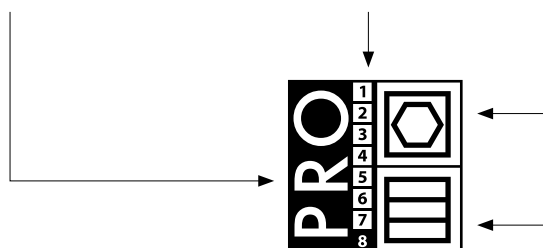
These symbols describe which drying procedures the textile has been tested with.

TUMBLE DRYING

Tumble drying is shown as a square with a hexagon in it.

TUNNEL/CABINET FINISHING

This drying method is shown by a square divided into three equal triangles.










JACKET STYLE 1879

DESIGN Contrasting elements: Back side panels, shoulder yoke on collar, laterally under lower front section, cuffs | Embroidered pictogram on the right pocket flap

FUNCTION 2 side pockets with flap | Right hand side: Chest pocket with flap | Left hand side: Attached inner pocket with velcro | Concealed front zip fastener, placket closable with plastic snap fastener and velcro | Stand-up/turn down collar with velcro | Ergonomically tailored sleeves with additional room for greater freedom of movement | Cuffs adjustable with plastic snap fasteners | Load points reinforced with bartack

64% cotton, 35% polyester, 1% antistatic fibres, approx. 350 g/m²

-  EN ISO 11611:2015, class 1-A1+A2
-  EN ISO 11612:2015 code A1+A2 B1 C1 E3
-  IEC 61482-2 APC=1
-  EN 1149-5
-  EN 13034:2005 + A1:2009 type 6

CARE INSTRUCTIONS



Front zip with flap.



Suitable for industrial washing according to EN ISO 15797



dark blue | anthracite
1879 8413-4897
44-64, 90-110, 24-29

anthracite | black
1879 8413-9799
44-64, 90-110, 24-29

TROUSERS STYLE 2881

DESIGN Contrasting elements: Pocket openings, trouser hem

FUNCTION Ergonomic contouring for greater freedom of movement | 2 side pockets with velcro | Right hand side: Hip pocket with velcro flap | Right hand side: Ruler pouch with velcro flap | Left hand side: Thigh pocket with velcro flap | Plastic zip fly | Adjustable waistband with concealed button | Load points reinforced with bartack

64% cotton, 35% polyester, 1% antistatic fibres, approx. 350 g/m²

- EN ISO 11611:2015, class 1-A1+A2
- EN ISO 11612:2015 code A1+A2 B1 C1 E3
- IEC 61482-2 APC=1
- EN 1149-5
- EN 13034:2005 + A1:2009 type 6



Suitable for industrial washing according to EN ISO 15797

CARE INSTRUCTIONS



Lockable ruler pocket.



dark blue | anthracite

2881 8413-4897

44-64, 90-110, 24-29

anthracite | black

2881 8413-9799

44-64, 90-110, 24-29





DUNGAREES STYLE 3880

DESIGN Contrasting elements: Pocket openings, bib, brace cross, trouser hem, stretch braces

FUNCTIE Ergonomic contouring for greater freedom of movement | 2 side pockets with velcro | Right hand side: Hip pocket with velcro flap | Right hand side: Ruler pouch with velcro flap | Left hand side: Thigh pocket with velcro flap | Bib pocket with velcro flap | Plastic zip fly | Elastic straps with shock and heat resistant plastic buckles | High, ergonomic waistband to protect the kidneys | 6 cm adjustable waist with concealed buttons | Load points reinforced with bartack

64% cotton, 35% polyester, 1% antistatic fibres, approx. 350 g/m²

- EN ISO 11611:2015, class 1-A1+A2
- EN ISO 11612:2015 code A1+A2 B1 C1 E3
- IEC 61482-2 APC=1
- EN 1149-5
- EN 13034:2005 + A1:2009 type 6



Suitable for industrial washing according to EN ISO 15797

CARE INSTRUCTIONS



dark blue | anthracite
3880 8413 -4897
44-64, 90-110, 24-29



anthracite | black
3880 8413 -9799
44-64, 90-110, 24-29

ACCESSOIRES

FLAMEPROOF BELT STYLE 8399

Clasp and end piece made of polyamide 6.6 | Flameproof | Width: 38mm | Elasticity through mechanical stretch | Getest conform EN ISO 15797

58% polyester, 23% modacrylic, 19% cotton

CARE INSTRUCTIONS



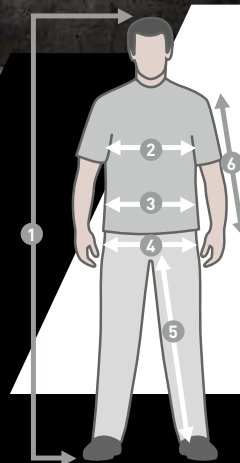
black

8399 9124-99

Length: 100 cm,
120 cm, 130 cm

**MULTINORM PLUS HIGH VISIBILITY
- FOR MAXIMUM SAFETY.**

DISCOVER KÜBLER PROTECTIQ ON WWW.KUEBLER.EU



CORRECT MEASURES:

- 1. Body height:** without shoes, measure from the crown to the sole of the feet.
- 2. Chest measurement:** measure under the arms over the largest part of the bust horizontally around the body.
- 3. Waist size:** measure around the waistline without being too tight.
- 4. Hip size:** measure horizontally around the largest part of the hips.
- 5. Inside leg:** measure the inside of the leg from the crotch to hem.
- 6. Sleeve length:** with slightly bent arms measure from the head of the humerus over the elbow to the wrist bone.

Regarding point 3: waist size is measured at the waistband

Everything at one click

Whether in our digital product world, by app or on social media – take use of our numerous onlineservices and stay always up to date. Catalogues, brochures and pricelists are available for download. Due to the 360°-view and the zoom function, our products could be discovered in every detail and be ordered fast and easy in our dealership.

The photographs were taken with the kind support of Heizomat - Gerätebau + Energiesysteme GmbH



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