UPPER LIMBS PROTECTION

SAFETY®

Gloves
Sleeves
Accessories

Safety Systems®


Safety
Systems
GPA422
EN388
4121
9
CE

Workers' safety, health and comfort - our mission since 1978

Since 1978, we have participated in all the phases of development of European companies, providing support during the period of transition that marked the overthrow of world industrial balances.

In a context of far-reaching globalization, it became evident that Manufacturers need to entrust such a sensitive issue as protection of workers to specialists able to combine a continuous quest for efficiency with stable, sustainable products and processes.

Our customers are, therefore, companies that consider **Safety, Health and the Environment** to be primary drivers of competitiveness.

Thinking about our customers and their needs, we introduced new attractive design concepts and high-performance materials for "easy-fit" products that users appreciate and wear willingly, all to the benefit of their personal protection and the overall climate of confidence at the workplace. We have accompanied them in measuring up to new challenges in new countries, also contributing to streamlining their management models according to a Lean Management approach and designing ever safer, more comfortable products and services based on a systematic vision of reducing waste, of recovery through regeneration of materials and reduction of transactional costs.

As we are convinced that **creativity and innovation** are the keys to interpreting the future of European countries, we have continued to invest in the development of specialized PPE to protect the upper limbs, integrating our product range with those of leading international brands in order to provide our customers with a global service regardless of where they are located.

Our Company is equipped with an exclusive Technological Laboratory, approved by one of the most prestigious European Notified Bodies (CTC - Lyon), to check products' performances and simulate the working conditions of our gloves and garments, to develop new technical solutions and guarantee their conformity.

Our Company growth has always been driven by evolution of the market, spurred by changes in the requirements of our customers, starting from the 1989 European Directive regulating risk categories and related personal personal protective equipment up to the "zero accident vision" target achieved by developing new technologies and new production criteria.

We have identified the focus points of the design and production philosophy of our Safety Systems product range in this vision:

PROTECTIVE GLOVES:
DESIGN, MANUFACTURING AND QUALITY CONTROL

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Design and Quality Control of PPE and garments represent the added value of our company, always committed to continuous improvement of our product range. Our technical department comprises a Test Lab equipped with cutting-edge technologies for mechanical, chemical tests and simulation of in-field use of gloves and garments.

We are able to determine the performance of materials, check their suitability for use and certify their conformity and continuity of production.
The equipment and procedures adopted by our **Laboratory** are approved by the French **Notified Body CTC - Lyon (No. 0075)** which certifies the suitability of the laboratory to issue tests reports (EN388:2003; EN420:2010), formally validated by the Notified Body.
Our Laboratory is able to verify compliance with the following standards:
EN388:2003/EN388:2016: general requirements for protective gloves
EN 388:2003: protective gloves against mechanical risks

According to the **UNI EN 420:2010** standard, our laboratory is equipped to carry out the following tests:

- Sizing of gloves (length)
- Determination of the pH value of the gloves
- Detection of residual Hexavalent Chromium content in leather gloves
- Determination of the dexterity level of the gloves

pH Value determination Instrument - pH-METER
pH value is measured on an aqueous extract. The material to be tested is pulverized and mixed with demineralised water. The solution is then stirred for 6 hours and filtered prior to analysis. The pH-meter is calibrated after each use. The pH value detected must be between 3.5 and 9.5.

Detection of residual Hexavalent Chromium content (CrVI) Instrument - PHOTOMETER
The solution used to measure pH is also used to detect the presence of CrVI by means of specific chemical analysis.
If the result is positive, a quantitative analysis is made through photometric measurement. For leather gloves, the Hexavalent Chromium content must be less than 3 mg/kg.

According to the **UNI EN 388:2003** standard, our laboratory is equipped to carry out the following tests:

Abrasion resistance test - Martindale Abrasimeter
Round test specimens of the material under test (fabric/leather, etc.) are abraded with circular movements against a standardized abrasive under a standard pressure (9 kPa). Abrasion resistance is determined by the number of cycles necessary to break the material (formation of

a hole through the test specimen). Four test specimens are tested simultaneously; each test specimen is prepared and fitted separately on a specific rotating head, moving according to the Lissajous elliptic pattern. In the 2016 update of the EN388 standard, the Klingspor PL31B, Grit 180 model has been identified as standardized abrasive. Safety Systems gloves have been tested and certified using this abrasive paper since 2014.

Cut resistance test - Cut Tester EN 388:2003 - Coup Test
Measurement is based on comparison between the results obtained with a control test speciment (canvas master fabric) and those obtained from the specimen under test. A circular blade having an alternating rotational movement, guided by an arm, moves horizontally on the test specimen at a pressure of 5N. An electronic counter measures the number of cutting cycles before the blade comes into contact with the conductive rubber positioned under the test specimen. At this point, an electronic circuit stops the machine automatically. Cut resistance is determined applying the mathematical formula defined by the standard.

Cut resistance test - Cut Tester EN388:2016 - TDM (Tomodynamometer)
This test uses a straight blade drawn across the samples fabric, with a linear movement. The principle of this test is to vary the load (force) applied to the blade in order to cut-through, in one single movement. An electronic counter measures the movement length of the blade, until the cut-through takes place and reaches the conductive material (copper) positioned under the sample fabric, stopping the machine. 4 sessions of 5 cutting (20 cutting in total) are performed in order to identify the necessary weight (Newton) to cut-through the material in a movement of 20 mm.

Tear resistance test - Dynamometer
This tool is used to determine the tear resistance of a material (fabric, leather, dipped liner).
It is also possible to measure the elongation and the breaking load of the yarn using specific clamps.
Tear resistance is defined as the force necessary, measured in Newton, to tear a standard test specimen. The test is carried out using a traction device equipped with a strength detector.

Puncture resistance test - Dynamometer/Persoz
A circular, 40 mm diameter test specimen is taken from the palm of the glove.
The test specimen is fastened to a specific device with the outer surface facing a standard steel stylus that traverses vertically at constant speed until the test specimen is perforated, determining the puncture resistance of the material measured in Newton.

PROTECTIVE GLOVES: GUIDE TO EUROPEAN STANDARDS

PPE performance levels are indicated by pictograms and related indices resulting from laboratory tests of the Certified Body.

EN420 - GENERAL REQUIREMENTS

This pictogram means that, for correct use of the PPE, the user must read the Instructions for Use.

EN388 - MECHANICAL PROTECTION

PERFORMANCE LEVELS	1	2	3	4	5
A. Abrasion resistance (cycles)	100	500	2000	8000	-
B. Blade cut resistance (index)	1,2	2,5	5,0	10,0	20,0
C. Tear resistance (Newton)	10	25	50	75	-
D. Puncture resistance (Newton)	20	60	100	150	-

EN388:2016 – MECHANICAL PROTECTION

Compared with the 2003 version, the 2016 update includes the following amendments:
Abrasion Resistance: compulsory use of a new standardized abrasive (Klingspor PL31B, grain 180 model) which differs from the model prescribed previously (grit 100) for its higher abrasive capacity.
Cut Resistance: integration of the EN ISO 13997 method and use of the TDM-100 device (Tomodynamometer). Cut resistance levels, measured according to the EN ISO 13997 test, are indicated with 6 letters from A to F, as indicated in the chart below, to avoid confusion with the numerical levels of the EN388:2003 standard.

Performance Levels	A	B	C	D	E	F
Load applied (Newton)	2	5	10	15	22	30

In the EN388:2016 standard, a further test according to ISO 13997 has been added to the EN 388:2003 cut resistance test for gloves containing highly abrasive materials.The "Coup Test" will still be used and its results (1-5) will be shown at the manufacturer's discretion or substituted with an "X ". During the transitional period, gloves already certified according to EN388:2003 remain conform to the CE Certifications in use.

EN407 - HEAT PROTECTION

PERFORMANCE LEVELS		1	2	3	4
A. Burning behaviour	after flame time	< 20 s	< 10 s	< 3 s	< 2 s
	after glow time	No requirement	< 120 s	< 25 s	< 5 s
B. Contact heat (cont.temp. & threshold t.)		100 °C	250 °C	350 °C	500 °C
		> 15 s	> 15 s	> 15 s	> 15 s
C. Convective heat (heat transfer time)		> 4 s	> 7 s	> 10 s	> 18 s
D. Radiant heat (heat transfer time)		> 7 s	> 20 s	> 50 s	> 95 s
E. Small drops of molten metal (No. drops)		> 10	> 15	> 25	> 35
F. Large splashes of molten metal (mass)		30 g	60 g	120 g	200 g

EN12477 - WELDING GLOVES

EN 12477 describes the requirements and test methods for protective gloves used for manual metal welding, cutting and similar processes. Protective gloves for welders are designed to protect both the hand and forearm while welding against small or large splashes of molten metal, short and limited exposure to contact with flame, convective and contact heat and U.V. radiations from arc welding.
Welding gloves provide also protection against mechanical risks.
According to their performance, protective gloves for welders are classified into two types:
Type A gloves: used in welding procedures that require high level mechanical and heat protection with low dexterity
Type B gloves: used in welding procedures that require higher dexterity but lower mechanical and heat protection.

EN ISO 10819 - METHOD FOR THE MEASUREMENT AND EVALUATION OF THE VIBRATION TRANSMISSIBILITY OF GLOVES AT THE PALM OF THE HAND

This standard describes a method for laboratory measurement, data analysis and reporting of the vibration transmissibility of gloves in terms of vibration transmission from a vibrating instrument to the palm of the glove in the frequency range between 31.5 Hz and 1250 Hz.
Anti-vibration gloves ensure significant mitigation below a frequency of 150Hz and are strongly recommended to all workers exposed to the use of vibrating mechanical tools.

EN374 - PROTECTIVE GLOVES AGAINST CHEMICALS AND MICRO-ORGANISMS

To pass this test, a glove must pass both the penetration and permeation tests.
Penetration is defined by EN 374 as the movement of a chemical and/or micro-organism through porous materials, seams, pinholes, or other imperfections in a protective glove material at non-molecular level.
Permeation is a process by which a chemical moves through the material of a protective glove at molecular level. Permeation takes place in two phases: absorption of chemical molecules from the surface of the external material, then further diffusion and absorption of the chemical substances into the inner surface of the glove. The “chemical resistant glove” pictogram must be accompanied by a 3-digit code.
This code refers to the code letters of 3 chemicals (from a list of 12 standard defined chemicals), for which a break-through time of at least 30 minutes has been obtained.

- **A** Methanol
- **B** Acetone
- **C** Acetonitrile
- **D** Dichloromethane
- **E** Carbon disulphide
- **F** Toluene
- **G** Diethylamine
- **H** Tetrahydrofurane
- **I** Ethyl acetate
- **J** n-Heptane
- **K** Sodium hydroxide 40%
- **L** Sulphuric acid 96%

Permeation: each chemical tested is classified in terms of break-through time (performance level 0 to 6).

MEASURED BREAKTHROUGH TIME	PROTECTION INDEX	MEASURED BREAKTHROUGH TIME	PROTECTION INDEX
> 10 minutes	Class 1	> 120 minutes	Class 4
> 30 minutes	Class 2	> 240 minutes	Class 5
> 60 minutes	Class 3	> 480 minutes	Class 6

The Low Chemical resistant or Water-proof glove pictogram is used for those gloves that do not achieve a break-through time of minimum 30 minutes against at least three chemicals from the defined list, but which comply with the Penetration test.

A glove which resists penetration and passes both air leak and water leak tests to Performance Level 2 is deemed to be an effective barrier to microbiological hazards. The performance levels are ascertained from the Acceptance Quality Level (AQL) set in manufacturing and are defined in EN 374 as shown in the Table below (Table 1).

Table 1. Acceptance Quality Levels (AQL) and inspection levels from ISO 2859

Performance level	Acceptance Quality Level	Inspection level
Level 3	<0.65	G1
Level 2	<1.5	G1
Level 1	<4.0	S4

EN511 - COLD PROTECTION

ABC

The cold protection level is indicated by a pictogram followed by a series of 3 performance levels, relating to specific protective qualities:

a. resistance to convective cold (performance level 0-4): based on the thermal insulation properties of the glove which are obtained by measuring the transfer of cold via convection.

b. resistance to contact cold (performance level 0-4): based on the thermal resistance of the glove material when exposed to contact with a cold object.

c. permeability by water (0 or 1): 0 = water penetration after 30 minutes of exposition; 1 = no water penetration after 30 minutes of exposition

CONTACT WITH FOOD

Specific labelling must be applied to the packaging of the gloves confirming their suitability for contact with food in compliance with European Directive 85/572/EEC as amended.

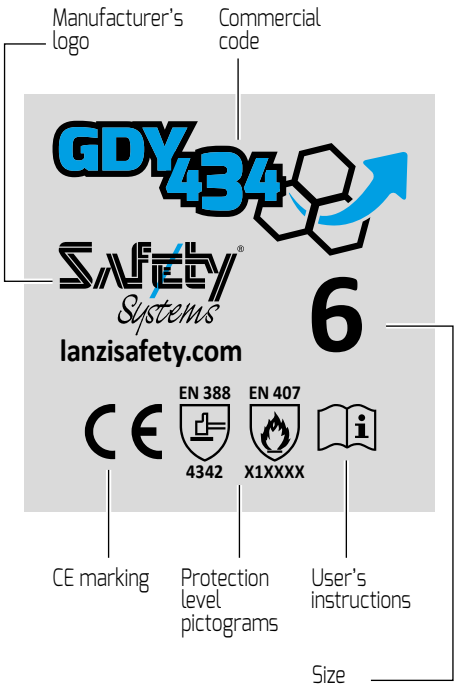
EXPLANATION OF THE 3 RISK CATEGORIES

CE marking of CAT.I PPE
Simple design - "Minimal risk"

Gloves used in low risk situations such as gardening or cleaning. The gloves may be tested ancd certified by the manufacturers.

CE marking of CAT.II PPE
Intermediate Design - " Intermediate risk"

Gloves which may be used to protect against intermediate risks such as mechanical protection gloves providing cut, puncture, and abrasion resistance, must be subject to independent testing and certified by a notified body. Only approved bodies may issue a CE mark, without which the gloves may not be sold. The name and the address of the Notified Body must appear in the instructions for use that accompany the gloves.



0126 CE marking of CAT.III PPE
Complex design glove - "Irreversible or Mortal risk"

Gloves which are designed to protect against the highest level of risk must be also certified and tested by the Notified Body which will be identified by a number that must appear alongside the CE mark (in this case 0126)

CUSTOM-MADE GLOVES

CUSTOM-MADE GLOVES

Hands are one of the most important "instruments" we use every day, often without considering their essential function. Wearing gloves must become a regular habit in order reduce the risk of accidents and protect this precious part of our body. To achieve this goal, it is essential to choose the right gloves for each type of work. Our main strong point is our long-term experience in developing innovative, leading-edge protective equipment in cooperation with Notified Bodies and qualified manufacturers. In addition to our Safety Systems product range, our technical/production organization is able to design and produce custom gloves according to specific protection requirements.

ANALYSIS, DESIGN AND PRODUCTION PROCESS

- Collection of technical data: assessment of risks and protection requirements
- Assessment of project feasibility by our technical service
- Estimated forecast of consumption and minimum production quantities
- Economic evaluation
- Acceptance of the project
- Prototyping and testing
- Production plan

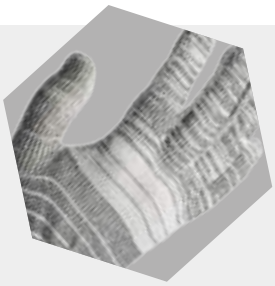
HOW IS IT MADE?

To protect the hands, it is extremely important to choose the right glove for the job on hand. Building on our long experience, advanced manufacturing technologies and particular attention to ergonomics, we propose a range of gloves specific for every type of risk.

The raw material and manufacturing process are essential in determining the protective properties of the glove. Knowing how a glove is made is of crucial importance in selecting the right glove.

CATEGORIES OF GLOVES

MECHANICAL PROTECTION GLOVES

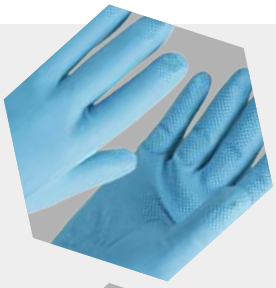


Uncoated seamless knitted gloves:
single piece of seamless sewn fabric

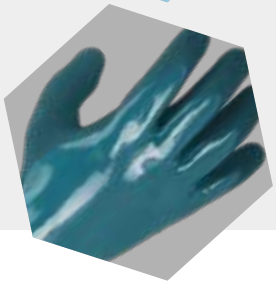
Cut and sewn uncoated gloves:
Pieces of fabric and/or leather sewn together

Coated gloves:
Seamless knitted and/or cut and sewn gloves impregnated with various polymers

CHEMICAL PROTECTION GLOVES



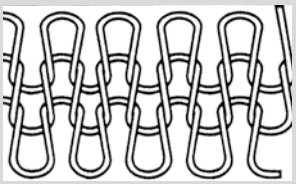
Unsupported gloves:
The glove is dipped into a tank of coating material. The inner can be flocklined or not (flocklined: the inner is coated with small fibers called "flock")



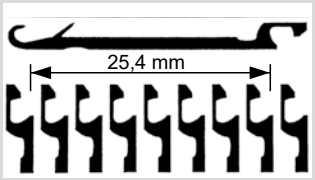
Supported gloves:
Fabric gloves (stitched or seamless) dipped in a coating material

THE GAUGE OF SEAMLESS GLOVES

Seamless gloves deliver a higher level of resistance and comfort. How is a thinner or thicker glove made? It depends on the number of needles per inch (25.4 mm) used in the production process. This value is called "gauge". In simple terms, the higher the number of needles, the thinner the yarn (and glove).



Only one yarn to produce the glove



Gauge

MATERIALS

Cotton: natural fiber used to manufacture knitted/fabric gloves also combined with other materials. Comfortable and hypoallergenic.

Polyester: strong, shrink-resistant synthetic fiber. Good abrasion resistance.

Polyamide (nylon): flexible, elastic synthetic fiber. Excellent abrasion resistance and high level comfort due to moisture absorption properties.

Elastane: synthetic fiber with extraordinary elasticity properties (it can be stretched up to 600% before breaking).

HPPE: comfortable, light polyethylene fiber with high tear resistance (High Performance Polyethylene).

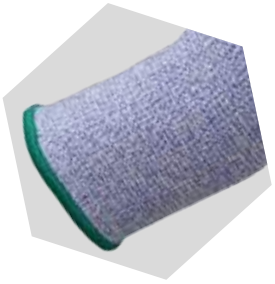
Para-aramid: tear resistant, resistant to heat and exposure to limited flame. Sensitive to UV rays, acids and alkalis (bleach).

Microfiber: synthetic compound made of woven polyester fibers used to produce breathable, comfortable fabrics with good mechanical resistance.

Acrylic: syntethic fiber with good thermal insulation. It can be used as an alternative to wool for softness and comfort.

Leather: hard-wearing, soft and adaptable to temperature changes. It has different features according to which part of the animal's body it is taken from. Before processing, the hide is divided in two parts: the exterior, known as "grain leather" and the interior known as "split leather".
Grain leather is smooth, flexible and resistant to humidity (this is its primary function in nature) and is the best choice to guarantee good dexterity and sensitivity. Split leather, which has a rougher surface and is resistant to heat, is used for more heavy-duty tasks and where good thermal insulation is required (e.g. welding) and in wet, greasy and oily environments for its excellent grip.

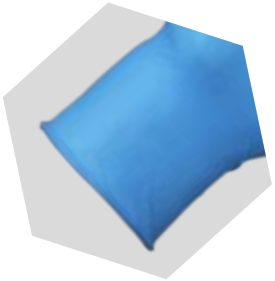
SLEEVES AND CUFFS



Knitted wrist:
designed for a perfect fit of the glove and to prevent particles and dirt entering the glove

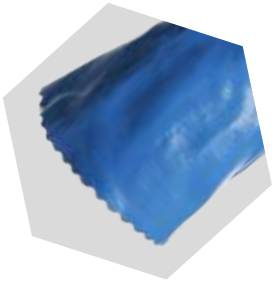
Integrated sleeve:
canvas cuff extension for complete protection of the forearm

Safety cuff:
protective material used in the wrist area for additional protection and to facilitate fit. For improved ventilation of the hand

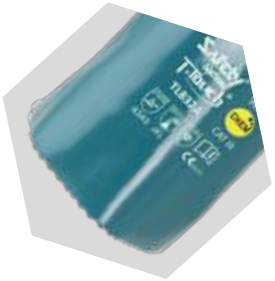


Rolled/beaded cuff:
beaded cuff for improved drip protection of the forearm and increased tear strength when fitting the glove

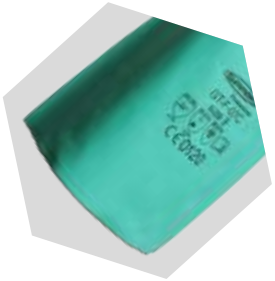
Driver cuff:
for easier fitting and improved ventilation of the hand



Pinked finish:
traditional finish of the wrist



Straight sleeve (Gauntlet):
provides greater protection and comfort, allowing maximum movement of the wrist



Straight finish:
provides additional length to protect forearm from liquids

TYPES OF COATING

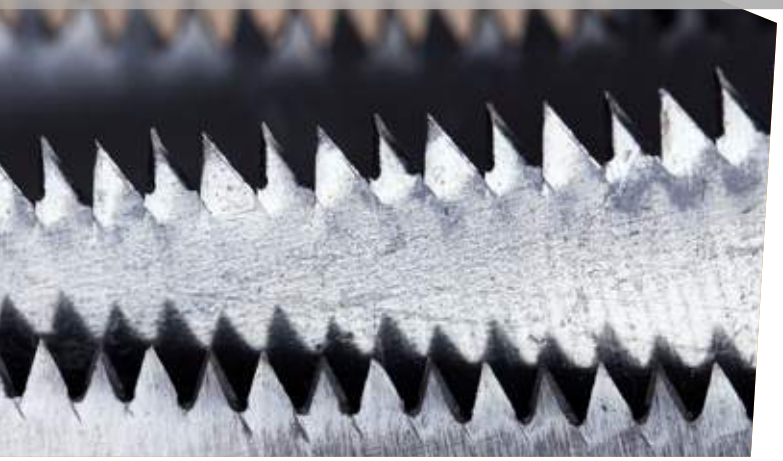
Natural rubber: (NR = natural rubber). Derived from the Hevea tree, features excellent elasticity and flexibility. In chemical protection, it is used as a barrier in the presence of water-soluble substances. In mechanical protection, ensures excellent grip in dry and wet environments. It contains a potentially allergenic protein.

Nitrile: also called synthetic rubber (NBR = nitrile-butadiene rubber). Very resistant to puncture and abrasion, has good resistance to oils, greases, and solvents. Good grip in dry, impermeable environments. For improved grip in wet environments, can be used in the form of foam, improving elasticity, comfort and breathability.

Polyurethane (PU): highly resistant synthetic material. Excellent breathability and elasticity for maximum comfort and dexterity. Solvent-based or water-based polyurethane (i.e. without potentially harmful and irritating solvents) can be used to manufacture gloves.

PVC: synthetic material (polyvinyl chloride) resistant to chemical substances and with excellent mechanical properties. To improve performance, knitted gloves can be coated on the palm with PVC dots to improve grip and durability.

CUT-RESISTANT GLOVES, NOT CUT-PROOF



Injuries to the fingers and hands are amongst the most frequent and also the most avoidable accidents at the workplace. Statistics show that the majority of workers involved in this type of accident were not wearing protective gloves or were wearing the wrong gloves for the work on hand. These accidents have a very strong impact on companies both in terms of responsibility and working days lost: safety is a primary factor in reducing costs.

When choosing cut-resistant gloves, the performance level defined by the European EN388 standard, which measures the number of cycles required by a rotating cutting blade to cut part of the surface of the glove (test specimen cut from the palm) using a constant force, is often considered the only relevant factor.

Does this test effectively reflect the risks present in the production environment? This test does not measure other elements such as hazards due the abrasive edges of metal or glass sheets. Unlike blades and knives, the edges of the sheets do not only cut but their rough edges tend to tear and puncture the gloves on contact. The sheets of glass may have splintered edges that tend to break and cause cutting and puncture injuries.

It is clear that the cutting injuries depend on many factors, such as the roughness of the edge of the object handled, the length of the exposed edge, weight, hardness of the material and structure of the surface.

Considering the above and the different types of industrial processes, the EN standard that establishes the level of cut resistant should be taken as a guideline. Although complying with regulatory requirements, many protective gloves do not in fact protect workers against the effective risks of working life. There is therefore a need in the market of products that are specifically designed for the task or application in which the employee is involved.

We have been designing and producing cut-resistant gloves since 1978, taking into account not only European legislation but also “in-field” applications, i.e. analysing all the risk factors of the manufacturing processes. In the context of cutting risk (metal sheets, blades or sharp objects and sheets of glass), the main factors of analysis are:

Finishing of the edges of sharp objects (sharp or jagged): longer edges require gloves with greater resistance to tearing and sleeves to protect the forearm.
Thin metal sheets or objects with smaller burrs require lighter gloves; otherwise, it is necessary to wear heavier gloves whose thickness acts as a barrier for further protection of the hand. Yarns with increased tear resistance combined with abrasion-resistant coatings and possible extension of the cuff with sleeves are the ideal solution.

Weight of sharp objects: weight increases cutting force.
Heavier objects apply more stress to cut-resistant fibers as they add force to abrasive cutting. The greater the force, the higher the tensile strength required. Greater thickness increases the life of the gloves and provides additional comfort during use.

Surface texture: **oily or wet surfaces require high grip gloves.**
Dry surfaces require gloves with smooth "sticky" finishing to ensure good grip. If the surface is oily, the grip of the glove improves if in contact with a material able to absorb the liquid. Maintaining a good grip when handling sharp objects is just as important as tear resistance. Grip is, therefore, a key factor in preventing tearing and in reducing the force necessary to hold the object and fatigue.

Puncture risk: **the risk of puncture is decisive in evaluating the risk of cutting as it may lacerate the glove.**
When dealing with this type of hazard, it is important to remember that the initial protection needed is not cut resistance but puncture resistance. In these cases, knitted gloves do not provide sufficient protection
unless suitably coated with synthetic materials or reinforced with leather.

THE RIGHT GLOVE

In the light of the above, when handling metal sheets or glass sheets, protective gloves must be worn that take into account the weight of the object and the pressure that may be exerted if the object slips. The Safety manager should evaluate the frequency with which objects are handled so that the resistance to wear of the glove is commensurate with the effective mechanical stress applied to the glove. The higher the frequency of contact, the faster the wear on the glove which must be replaced even if not torn: the gloves are cut-resistant, not cut proof.

When handling small objects with pointed, sharp or cutting edges, other important factors in choosing the right glove will be dexterity and sensitivity which, in addition to improving protection with a safer grip, will reduce the probability that the worker removes the glove in order to complete the work.

When choosing the coating or reinforcement of the glove, due consideration must be given to the substances present on the parts manipulated. Nitrile, for example, is resistant to hydrocarbon-based lubricants but may become slippery if the coating is smooth and impermeable with a consequent increase in cutting hazards.

Following an attentive risk assessment, an initial selection of the products can be made. These should be evaluated according to comfort, fit, feel and cost. After selection, the next step is acceptance by the workers. If the user does not wear gloves because not they are not sufficiently ergonomic or sensitive, the cost-effectiveness ratio will not be achieved. At this point, it is essential to involve the manufacturer in order to identify the best solution to restore this ratio, also developing custom gloves.

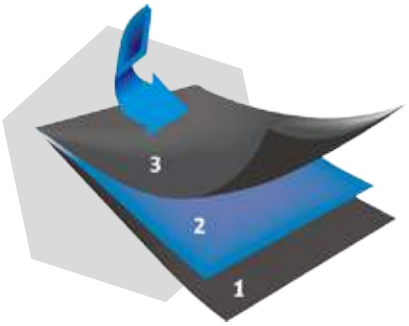
The Safety Systems range is designed to protect workers' upper limbs, with maximum comfort. Materials and production techniques have been selected in order to offer effective protective solutions, not restricted merely to passing a "cutting test".

OUR GLOVES ARE CUT-RESISTANT, NOT CUT-PROOF

APPLIED TECHNOLOGIES

WATER AND OIL REPELLENT

1. Dry or slightly wet/oily environment
2. Dry or moderately wet/oily environment
3. Wet/oily environment



3 LAYERS

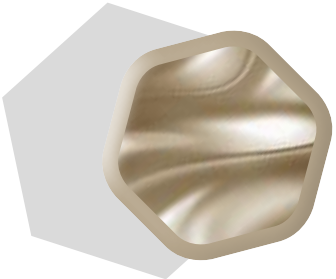
1. Seamless knitted liner
2. Liquid-proof nitrile coating
3. Nitrile foam coating for an excellent grip in wet/oily environments

ECO PROCESS

manufacturing process with low environmental impact

BREATHABILITY AND GRIP

Technology applied to coating to maximise grip and breathability reducing reducing hand's fatigue



ADVANCED KNITTING TECHNOLOGY

Innovative knitting technology to obtain a "soft shell" effect inside the glove. Using this manufacturing technology, the inner surface of the glove is knitted with 100% white HPPE yarn which offers exceptional comfort with a "silk effect" on the skin

PRODUCT INDEX

HIGH DEXTERITY GLOVES FOR ACCURATE HANDLING

GPA424

- Elastic shell and ergonomic design for exceptional dexterity and comfort
- Micro-porous nitrile coating, not in contact with the user's skin, for maximum breathability and grip in dry environment
- Significantly higher abrasion resistance compared with a smooth nitrile coating
- Contact heat resistance 1 (100°C for at least 15 seconds)

Item	GPA424
Environment	Dry or slighty wet/oily
Construction	Seamless knitted
Shell material	Polyamide/spandex
Gauge	15
Coating	Nitrile foam with sandy finish
Coating area	Palm
Cuff	Elasticized knitted wrist
Length (mm)	220-260
Size	6, 7, 8, 9, 10
Packing	Bag: 12 pairs / Carton: 144 pairs
Ambidextrous	No

EN388 4121 EN407 X1XXXX CAT.II

GPA400

- Exceptional dexterity and comfort thanks to the density of the polyamide shell
- Micro-porous nitrile coating, not in contact with the user's skin, for maximum breathability and grip in dry environment

Item	GPA400
Environment	Dry or slighty wet/oily
Construction	Seamless knitted
Shell material	Polyamide
Gauge	13
Coating	Nitrile foam
Coating area	Palm
Cuff	Elasticized knitted wrist
Length (mm)	220-260
Size	6, 7, 8, 9, 10
Packing	Bag: 12 pairs / Carton: 144 pairs
Ambidextrous	No

EN388 3131 CAT.II

GT46B / GT46W / GT49W

- Excellent abrasion resistance of the polyurethane coating
- Exceptional breathability and grip in dry environment

Item	GT46B / GT46W / GT49W
Environment	Dry or slighty wet/oily
Construction	Seamless knitted
Shell material	Polyamide
Gauge	13
Coating	Solvent-based polyurethane
Coating area	Palm
Cuff	Elasticized knitted wrist
Color	Black / Grey and white / White
Length (mm)	220-260
Size	6, 7, 8, 9, 10
Packing	Bag: 12 pairs / Carton: 144 pairs
Ambidextrous	No

EN388 4131 CAT.II

GPE46B

- Good abrasion resistance of the polyurethane coating
- Exceptional breathability and grip in dry environment

Item	GPE46B
Environment	Dry or slighty wet/oily
Construction	Seamless knitted
Shell material	Polyester
Gauge	13
Coating	Solvent-based polyurethane
Coating area	Palm
Cuff	Elasticized knitted wrist
Length (mm)	220-260
Size	6, 7, 8, 9, 10
Packing	Bag: 12 pairs / Carton: 144 pairs
Ambidextrous	Non

EN388 3121 CAT.II

GPA488B / GPA488W

- Water-based polyurethane coating, 100% DMF-free (Dimethylformamide)
- Coating not in contact with user's skin for improved dexterity and comfort

Item	GPA488B / GPA488W
Environment	Dry or moderately wet/oily
Construction	Seamless knitted
Shell material	Polyamide
Gauge	13
Coating	Water-based polyurethane
Coating area	Palm
Cuff	Elasticized knitted wrist
Color	Black / White
Length (mm)	220-260
Size	6, 7, 8, 9, 10
Packing	Bag: 12 pairs / Carton: 144 pairs
Ambidextrous	No

EN388 3121 CAT.II

GPA410 / GTC110

- Excellent abrasion resistance of the nitrile coating
- Excellent resistance of the nitrile coating to oils and fuels

Item	GPA410 / GTC110
Environment	Dry or moderately wet/oily
Construction	Seamless knitted
Shell material	Polyamide
Gauge	13
Coating	Liquid-proof smooth nitrile
Coating area	Palm
Cuff	Elasticized knitted wrist
Color	Black and grey / Black and white
Length (mm)	210-260
Size	5, 6, 7, 8, 9, 10 (size 5 not available for GTC110)
Packing	Bag: 12 pairs / Carton: 144 pairs
Ambidextrous	No

EN388 4121 CAT.II

GPE412

- Excellent abrasion resistance of the nitrile coating
- Excellent resistance of the nitrile coating to oils and fuels

Item	GPE412
Environment	Dry or moderately wet/oily
Construction	Seamless knitted
Shell material	Polyester
Gauge	13
Coating	Liquid-proof smooth nitrile
Coating area	Palm
Cuff	Elasticized knitted wrist
Length (mm)	220-260
Size	6, 7, 8, 9, 10
Packing	Bag: 12 pairs / Carton: 144 pairs
Ambidextrous	No

EN388 4121 CAT.II

GPA458

- 3/4 coating with open back for jobs in wet/oily environments
- Excellent abrasion resistance of the nitrile coating
- Excellent resistance of the nitrile coating to oils and fuels

Item	GPA458
Environment	Wet/oily
Construction	Seamless knitted
Shell material	Polyamide
Gauge	13
Coating	Liquid-proof smooth nitrile
Coating area	3/4
Cuff	Elasticized knitted wrist
Length (mm)	230-260
Size	7, 8, 9, 10
Packing	Bag: 12 pairs / Carton: 144 pairs
Ambidextrous	No

EN388 4121 CAT.II

GPA422

- Double coating for impermeability and grip in wet/oily environments
- First coating in liquid-proof smooth nitrile
- Second coating in nitrile foam with sandy finish for exceptional grip in oily environments
- 3/4 coating with open back for improved comfort and reduced hand fatigue

Item	GPA422
Environment	Wet/oily
Construction	Seamless knitted
Shell material	Polyamide/spandex
Gauge	15
Coating	Double layer: liquid-proof smooth nitrile and nitrile foam with sandy finish
Coating area	3/4 and palm
Cuff	Elasticized knitted wrist
Length (mm)	240-280
Size	7, 8, 9, 10, 11
Packing	Bag: 12 pairs / Carton: 144 pairs
Ambidextrous	No

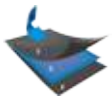
EN388 4121 CAT.II

GPA425

- Double coating for impermeability and grip in wet/oily environments
- First coating in liquid-proof smooth nitrile
- Second coating in nitrile foam with sandy finish for exceptional grip in oily environments
- Ergonomic design and micro-porous coating to reduce hand fatigue after a long usage

Item	GPA425
Environment	Wet/oily
Construction	Seamless knitted
Shell material	Polyamide
Gauge	13
Coating	Double layer: liquid-proof smooth nitrile and nitrile foam with sandy finish
Coating area	Full and palm
Cuff	Elasticized knitted wrist
Length (mm)	240-280
Size	7, 8, 9, 10, 11
Packing	Bag: 12 pairs / Carton: 144 pairs
Ambidextrous	No

EN388 4121 CAT.II

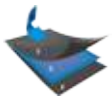


GPA423

- Double coating for impermeability and grip in wet/oily environments
- First coating in liquid-proof smooth nitrile
- Second coating in nitrile foam with embossed surface for improved grip in oily environments
- 3/4 coating with open back for improved comfort and reduced hand fatigue

Item	GPA423
Environment	Wet/oily
Construction	Seamless knitted
Shell material	Polyamide
Gauge	15
Coating	Double layer: liquid-proof smooth nitrile and nitrile foam with embossed surface
Coating area	3/4
Cuff	Elasticized knitted wrist
Length (mm)	230-270
Size	7, 8, 9, 10, 11
Packing	Bag: 12 pairs / Carton: 144 pairs
Ambidextrous	No

EN388 4132 CAT.II



GPES210

- Special microfibre palm, perfect for handling in dry environment where product contamination must be reduced to a minimum
- 100% Chrome VI (hexavalent) free
- Exceptional breathability and comfort on palm and back

Item	GPES210
Environment	Dry
Construction	Cut and sewn
Glove material	Microfiber palm, Polyester fabric back
Coating	Uncoated
Cuff	Driver
Length (mm)	210-260
Size	5, 6, 7, 8, 9, 10
Packing	Bag: 10 pairs / Carton: 100 pairs
Ambidextrous	No

EN388 2121 CAT.II

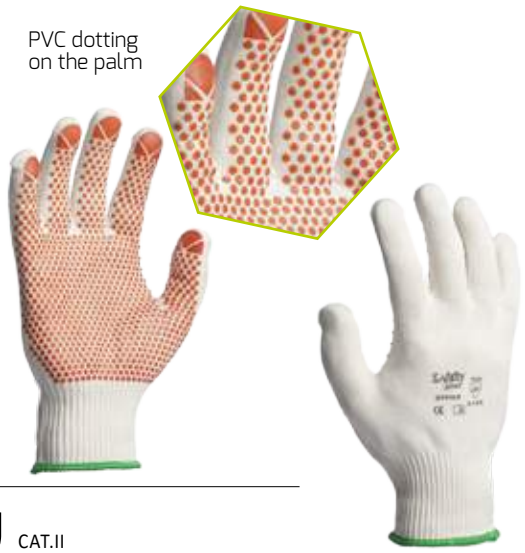
GPA423

COMFORT AND GRIP IN WET AND OILY ENVIRONMENT

GT510

- Inner 100% cotton plating for maximum comfort
- Excellent grip in dry environment thanks to the PVC dotting

Item	GT510
Environment	Dry
Construction	Seamless knitted
Shell material	Polyamide/Cotton
Gauge	13
Coating	PVC dotting
Coating area	Palm
Cuff	Elasticized knitted wrist
Length (mm)	220-260
Size	6, 7, 8, 9, 10
Packing	Bag: 12 pairs / Carton: 300 pairs
Ambidextrous	No



EN388
213X
CAT.II

GPAC151

- Inner 100% cotton plating for maximum comfort

Item	GPAC151
Environment	Dry
Construction	Seamless knitted
Glove material	Polyamide/Cotton
Gauge	13
Coating	Uncoated
Cuff	Elasticized knitted wrist
Length (mm)	220-260
Size	6, 7, 8, 9, 10
Packing	Bag: 12 pairs / Carton: 144 pairs
Ambidextrous	Yes

EN388
213X
CAT.II

GPE510

- Excellent grip in dry environment thanks to the PVC micro-dotting

Item	GPE510
Environment	Dry
Construction	Seamless knitted
Shell material	Polyester
Gauge	13
Coating	PVC micro-dotting
Coating area	Palm
Cuff	Elasticized knitted wrist
Length (mm)	220-260
Size	6, 7, 8, 9, 10
Packing	Bag: 12 pairs / Carton: 144 pairs
Ambidextrous	No

CAT.I

GT31P / GT30P

- 100% cotton for maximum comfort

Item	GT31P/GT30P
Environment	Dry
Construction	Seamless knitted
Glove material	Cotton
Gauge	10
Coating	Uncoated
Cuff	Elasticized knitted wrist
Length (mm)	230, 250
Size	7 (GT31P), 9 (GT30P)
Packing	Bag: 10 pairs / Carton: 250 pairs
Ambidextrous	Yes

CAT.I

GCOP31 / GCOP30

- Polyamide and cotton shell for improved mechanical resistance

Item	GCOP31/GCOP30
Environment	Dry
Construction	Seamless knitted
Glove material	Cotton/Polyamide
Gauge	10
Coating	Uncoated
Cuff	Elasticized knitted wrist
Length (mm)	230, 250
Size	7 (GCOP31), 9 (GCOP30)
Packing	Bag: 10 pairs / Carton: 250 pairs
Ambidextrous	Yes

EN388
113X
CAT.II

GPE1102

- Excellent dexterity and "second skin" effect thanks to the elastic fabric

Item	GPE1102
Environment	Dry
Construction	Cut and sewn
Glove material	Polyester/spandex fabric
Coating	Uncoated
Cuff	Straight with hemming
Length (mm)	225-255
Size	7, 8, 9, 10
Packing	Bag: 12 pairs / Carton: 576 pairs
Ambidextrous	Yes

CAT.I

GPA1185

- 40-denier polyamide fabric for maximum tactile sensitivity and breathability

Item	GPA1185
Environment	Dry
Construction	Cut and sewn
Glove material	Polyamide fabric
Coating	Uncoated
Cuff	Straight with hemming
Length (mm)	220-260
Size	7, 8, 9, 10
Packing	Bag: 12 pairs / Carton: 600 pairs
Ambidextrous	Yes

CAT.I

GPA100W

- Seamless knitting and 100% polyamide shell for maximum dexterity and tactile sensitivity

Item	GPA100W
Environment	Dry
Construction	Seamless knitted
Glove material	Polyamide
Coating	Uncoated
Cuff	Elasticized knitted wrist
Length (mm)	220-260
Size	6, 7, 8, 9, 10
Packing	Bag: 12 pairs / Carton: 144 pairs
Ambidextrous	Yes

CAT.I

GC0518

- Cotton/polyester fabric for maximum comfort and tactile sensitivity

Item	GC0518
Milieu d'usage	Dry
Construction	Cut and sewn
Glove material	Cotton/polyester
Coating	Uncoated
Cuff	Straight with hemming
Length (mm)	225-260
Size	6, 7, 8, 9, 10
Packing	Bag: 12 pairs / Carton: 600 pairs
Ambidextrous	No

CAT.I

MEDIUM DEXTERITY GLOVES FOR GENERAL HANDLING

GT53

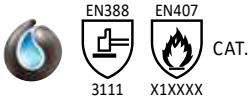
- Good impermeability and grip of the grain leather in the presence of oil residues
- Cotton interlock back for good breathability and comfort

Item	GT53
Environment	Dry or slighty wet/oily
Construction	Cut and sewn
Glove material	Goat grain leather palm, 100% cotton interlock back, goat grain leather nail-guard
Cuff	100% cotton knitted
Length (mm)	220-260
Size	6, 7, 8, 9, 10
Packing	Bag: 10 pairs / Carton: 100 pairs
Ambidextrous	No

GT533

- Double layer palm in grain leather for increased abrasion resistance
- Contact heat resistance 1 (100°C for at least 15 seconds)

Item	GT533
Environment	Dry or slighty wet/oily
Construction	Cut and sewn
Glove material	Double layer goat grain leather palm, 100% cotton interlock back, goat grain leather nail-guard
Cuff	100% cotton knitted
Length (mm)	220-260
Size	6, 7, 8, 9, 10
Packing	Bag: 10 pairs / Carton: 100 pairs
Ambidextrous	No



GT214

- Good impermeability and grip of the grain leather in the presence of oil residues

Item	GT214
Environment	Dry or moderately wet/oily
Construction	Cut and sewn
Glove material	Cow grain leather
Cuff	Driver
Length (mm)	220-270
Size	6, 7, 8, 9, 10, 11
Packing	Bag: 10 pairs / Carton: 100 pairs
Ambidextrous	No

GT97

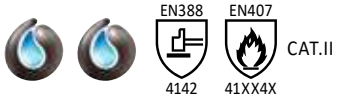
- Good impermeability and grip of the grain leather in the presence of oil residues
- Cow split leather on back for good mechanical resistance

Item	GT97
Environment	Dry or moderately wet/oily
Construction	Cut and sewn
Glove material	Cow grain leather palm, cow split leather back
Cuff	Driver
Length (mm)	240-270
Size	8, 9, 10, 11
Packing	Bag: 10 pairs / Carton: 100 pairs
Ambidextrous	No

GT73W

- Perfect for medium dexterity welding tasks
- Excellent resistance to small drops of molten metal
- Contact heat resistance 1 (100°C for at least 15 seconds)

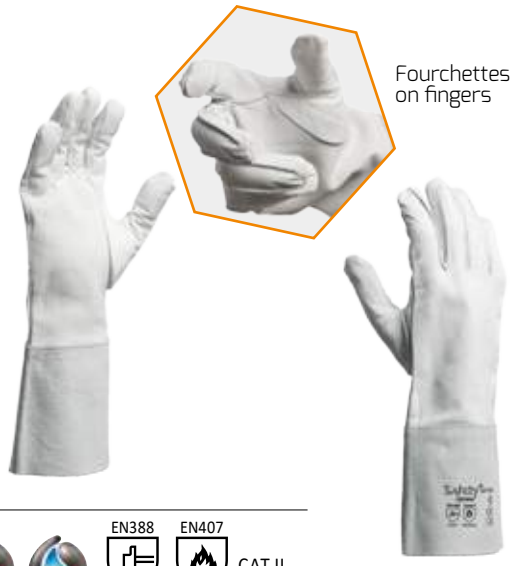
Item	GT73W
Environment	Dry or moderately wet/oily
Construction	Cut and sewn
Glove material	Cow grain leather palm, index and vein-guard, cow split leather back and cuff
Cuff	Safety cuff
Length (mm)	345-350
Size	10, 11
Packing	Bag: 10 pairs / Carton: 100 pairs
Ambidextrous	No

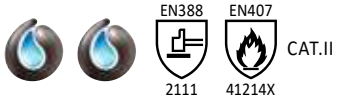


GT72W

- Perfect for high dexterity welding tasks
- Fourchettes for improved finger flexibility
- Excellent resistance to small drops of molten metal

Item	GT72W
Environment	Dry or moderately wet/oily
Construction	Cut and sewn
Glove material	Goat grain leather palm and back, cow split leather cuff
Cuff	Safety cuff
Length (mm)	345-385
Size	7, 8, 9, 10, 12
Packing	Bag: 10 pairs / Carton: 100 pairs
Ambidextrous	No





GC0449

- Excellent abrasion resistance of the nitrile coating
- Excellent resistance of the nitrile coating to oils and fuels
- 100% cotton liner and knitted wrist for improved comfort

Item	GC0449
Environment	Wet/oily
Construction	Cut and sewn
Shell material	Cotton interlock
Coating	Liquid-proof smooth nitrile
Coating area	Full
Cuff	100% cotton knitted
Length (mm)	240-280
Size	7, 8, 9, 10, 11
Packing	Bag: 12 pairs / Carton: 144 pairs
Ambidextrous	No

EN388 4111 CAT.II

GT158

- Excellent abrasion resistance of the nitrile coating
- Excellent resistance of the nitrile coating to oils and fuels
- 3/4 coating with open back for improved breathability
- 100% cotton liner and knitted wrist for improved comfort

Item	GT158
Environment	Wet/oily
Construction	Cut and sewn
Shell material	Cotton interlock
Coating	Liquid-proof smooth nitrile
Coating area	3/4
Cuff	100% cotton knitted
Length (mm)	240-270
Size	7, 8, 9, 10
Packing	Bag: 12 pairs / Carton: 144 pairs
Ambidextrous	No

EN388 4111 CAT.II

GT160

- Good abrasion resistance of the nitrile coating
- Excellent resistance of the nitrile coating to oils and fuels
- 3/4 coating with open back for improved breathability
- 100% cotton liner and knitted wrist for improved comfort

Item	GT160
Environment	Wet/oily
Construction	Cut and sewn
Shell material	Cotton interlock
Coating	Liquid-proof smooth nitrile
Coating area	3/4
Cuff	100% cotton knitted
Length (mm)	230-270
Size	6, 7, 8, 9, 10
Packing	Bag: 12 pairs / Carton: 144 pairs
Ambidextrous	No

EN388 2111 CAT.II

GT180

- Excellent resistance of the nitrile coating to abrasion and oils and fuels
- 3/4 coating with open back for improved breathability
- Cotton jersey liner for good comfort even during heavy duty tasks

Item	GT180
Environment	Wet/oily
Construction	Cut and sewn
Shell material	Cotton jersey
Coating	Liquid-proof smooth nitrile
Coating area	3/4
Cuff	100% cotton knitted
Length (mm)	240-275
Size	7, 8, 9, 10
Packing	Bag: 12 pairs / Carton: 72 pairs
Ambidextrous	No

CAT.II

GT660

- Excellent resistance of the nitrile coating to abrasion and oils and fuels
- Rubberized canvas cuff for improved protection
- Cotton jersey liner for good comfort even during heavy duty tasks

Item	GT660
Environment	Wet/oily
Construction	Cut and sewn
Shell material	Cotton jersey
Coating	Liquid-proof smooth nitrile
Coating area	Full
Cuff	Safety cuff
Length (mm)	255-270
Size	8, 9, 10
Packing	Bag: 12 pairs / Carton: 72 pairs
Ambidextrous	No

CAT.II

HEAVY DUTY GLOVES

GT281

- Double layer palm in grain leather for increased abrasion resistance
- Good impermeability and grip of the grain leather in the presence of oil residues
- Heavy canvas cuff for a better protection

Item	GT281
Environment	Dry or slighty wet/oily
Construction	Cut and sewn
Glove material	Cow grain leather palm, vein guard, nail-guard and knuckle protection, cotton canvas back and cuff
Inner lining material	Unlined
Cuff	Safety cuff
Length (mm)	300
Size	10
Packing	Bag: 10 pairs / Carton: 100 pairs
Ambidextrous	No

EN388 3133 EN407 X1XXXX CAT.II

GT62R

- Double layer palm in split leather for increased abrasion resistance
- Exceptional grip of the split leather in the presence of oil residues
- Cotton denim back with good mechanical performance
- Inner cotton lining for increased comfort

Item	GT62R
Environment	Dry or slighty wet/oily
Construction	Cut and sewn
Glove material	Cow split leather palm, vein-guard, nail-guard and knuckle protection, cotton denim back and cuff
Inner lining material	Cotton
Cuff	Safety cuff
Length (mm)	260-270
Size	8, 10
Packing	Bag: 10 pairs / Carton: 100 pairs
Ambidextrous	No

EN388 2122 CAT.II

GT207

- Exceptional grip of the split leather in the presence of oil residues
- Rubberized canvas cuff for improved protection
- Inner cotton lining for increased comfort

Item	GT207
Environment	Dry or slighty wet/oily
Construction	Cut and sewn
Glove material	Cow split leather palm, vein-guard, nail-guard and knuckle protection, cotton canvas back and cuff
Inner lining material	Cotton
Cuff	Safety cuff
Length (mm)	270
Size	10
Packing	Bag: 10 pairs / Carton: 60 pairs
Ambidextrous	No

EN388 4143 CAT.II

GAL

- Exceptional grip of the split leather in the presence of oil residues
- Heavy canvas cuff for improved protection

Item	GAL
Environment	Dry or slighty wet/oily
Construction	Cut and sewn
Glove material	Cow split leather palm, vein-guard, nail-guard and knuckle protection, cotton denim back, cotton canvas cuff
Inner lining material	Unlined
Cuff	Safety cuff
Length (mm)	275-295
Size	8, 9, 10
Packing	Bag: 10 pairs / Carton: 100 pairs
Ambidextrous	No

EN388 3132 CAT.II

GT63

- Double layer palm in split leather for increased abrasion resistance
- Exceptional grip of the split leather in the presence of oil residues

Item	GT63
Environment	Dry or moderately wet/oily
Construction	Cut and sewn
Glove material	Cow split leather palm, back and cuff
Inner lining material	Unlined
Cuff	Safety cuff
Length (mm)	265
Size	10
Packing	Bag: 10 pairs / Carton: 60 pairs
Ambidextrous	No

EN388 2122 CAT.II

G67

- Exceptional grip of the split leather in the presence of oil residues

Item	G67
Environment	Dry or moderately wet/oily
Construction	Cut and sewn
Glove material	Cow split leather palm, back and cuff
Inner lining material	Unlined
Cuff	Safety cuff
Length (mm)	295
Size	11
Packing	Bag: 10 pairs / Carton: 60 pairs
Ambidextrous	No

EN388 3132 CAT.II

G67E

- Exceptional grip of the split leather in the presence of oil residues
- Double para-aramid reinforcement stitching for extended durability

Item	G67E
Environment	Dry or moderately wet/oily
Construction	Cut and sewn
Glove material	Cow split leather palm, back and cuff
Inner lining material	Unlined
Cuff	Safety cuff
Length (mm)	295
Size	11
Packing	Bag: 10 pairs / Carton: 60 pairs
Ambidextrous	No

EN388 3132 CAT.II

GT79

- Double layer palm in split leather for increased abrasion resistance
- Exceptional grip of the split leather in the presence of oil residues

Item	GT79
Environment	Dry or moderately wet/oily
Construction	Cut and sewn
Glove material	Cow split leather palm, back and cuff
Inner lining material	Unlined
Cuff	Safety cuff
Length (mm)	290
Size	10
Packing	Bag: 10 pairs / Carton: 60 pairs
Ambidextrous	No

EN388 2233 CAT.II

GT83Z/GT84

- Triple-layer split leather/impermeable polyethylene film/split leather palm for exceptional grip in wet/oily environments
- Reversed grain leather fourchettes for increased flexibility
- Heavy cotton canvas extended cuff reinforced with strips of split leather for maximum protection

Item	GT83Z/GT84
Environment	Wet/oily
Construction	Cut and sewn
Glove material	Double layer cow split leather palm with additional polyethylene film, cow split leather back, cotton canvas cuff
Inner lining material	Unlined
Cuff	Safety cuff
Length (mm)	375-435
Size	8 (GT84), 11 (GT83Z)
Packing	Bag: 10 pairs / Carton: 50 pairs
Ambidextrous	No

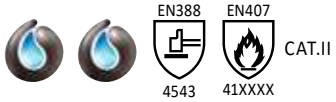
EN388 3233 CAT.II

GT75DY

- Inner fully lined in high tenacity technical yarn for excellent mechanical performance (cut resistance level 5)
- Exceptional grip of the split leather in the presence of oil residues
- Good thermal performance: burning behaviour 4, contact heat resistance 1 (100°C for at least 15 seconds)
- Para-aramid stitching for extended durability

Item	GT75DY
Environment	Dry or moderately wet/oily
Construction	Cut and sewn
Glove material	Cow split leather palm, back and cuff
Inner lining material	High tenacity technical HPPE/polyamide yarn reinforced with mineral fiber
Cuff	Safety cuff
Length (mm)	300-310
Size	9, 11
Packing	Bag: 10 pairs / Carton: 60 pairs
Ambidextrous	No

Inner fully lined in technical yarn (cut resistance level 5)



CUT-RESISTANT GLOVES AND SLEEVES


GDY434
10
GDY435
9

GDY434

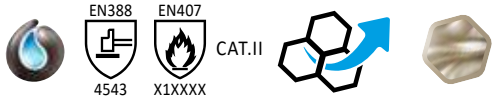
- K3 Knitting Technology: unmatched dexterity and flexibility, without compromising on protection
- HPPE inner plating for excellent comfort
- Micro-porous nitrile coating, not in contact with the user's skin, for maximum breathability and grip in dry environment.
- Contact heat resistance 1 (100°C for at least 15 seconds)

Item	GDY434
Environment	Dry or slightly wet/oily
Construction	Seamless knitted
Shell material	High tenacity elasticized HPPE/polyamide/spandex yarn reinforced with mineral fiber
Gauge	15
Coating	Nitrile foam with sandy finish
Coating area	Palm
Cuff	Elasticized knitted wrist
Length (mm)	220-270
Size	6, 7, 8, 9, 10, 11
Packing	Bag: 12 pairs / Carton: 144 pairs
Ambidextrous	No

GDY454

- Advanced Knitting Technology for enhanced flexibility and comfort for the most accurate handling
- 15-gauge technical yarn shell for excellent dexterity and tactile sensitivity
- Micro-porous nitrile coating, not in contact with the user's skin, for maximum breathability and grip in dry environment.
- Contact heat resistance 1 (100°C for at least 15 seconds)

Item	GDY454
Environment	Dry or slightly wet/oily
Construction	Seamless knitted
Shell material	High tenacity elasticized HPPE/polyamide/spandex yarn reinforced with mineral fiber
Gauge	15
Coating	Nitrile foam with sandy finish
Coating area	Palm
Cuff	Elasticized knitted wrist
Length (mm)	220-270
Size	6, 7, 8, 9, 10, 11
Packing	Bag: 12 pairs / Carton: 144 pairs
Ambidextrous	No



ADVANCED KNITTING TECHNOLOGY is an innovative textile technology which permits to obtain "soft shell" effect inside the glove. Thanks to above mentioned technique the internal glove's surface is made of 100% HPPE yarn, white colour, which in contact with the skin offers the exceptional comfort of "silk effect".

GDY451 / GDY451L

- Excellent abrasion resistance of the polyurethane coating
- Exceptional breathability and grip in dry environment
- Thumb crotch reinforcement in nitrile for extended durability and enhanced grip
- Extended elasticized cuff
- GDY471L: heavy cotton canvas cuff reinforced with a split leather strip for comfortable forearm protection

GDY451

GDY451L

Item	GDY451 / GDY451L
Environment	Dry or slightly wet/oily
Construction	Seamless knitted
Shell material	High tenacity elasticized HPPE/polyamide/spandex yarn reinforced with mineral fiber
Gauge	13
Coating	Solvent-based polyurethane
Coating area	Palm
Cuff	Elasticized knitted wrist (GDY451) Elasticized knitted wrist with added safety cuff (GDY451L)
Length (mm)	235-300 / 435-500
Size	6, 7, 8, 9, 10, 11
Packing	Bag: 12 pairs / Carton: 144 pairs (GDY451) Bag: 12 pairs / Carton: 72 pairs (GDY451L)
Ambidextrous	No

EN388 4543 CAT.II

GDY461

- Advanced Knitting Technology for enhanced flexibility and comfort for the most accurate handling
- 15-gauge shell in technical yarn for excellent dexterity and tactile sensitivity
- Excellent abrasion resistance of the polyurethane coating
- Exceptional breathability and grip in dry environment

Item	GDY461
Environment	Dry or slightly wet/oily
Construction	Seamless knitted
Shell material	High tenacity elasticized HPPE/polyamide/spandex yarn reinforced with mineral fiber
Gauge	15
Coating	Solvent-based polyurethane
Coating area	Palm
Cuff	Elasticized knitted wrist
Length (mm)	220-270
Size	6, 7, 8, 9, 10, 11
Packing	Bag: 12 pairs (single packing) / Carton: 144 pairs
Ambidextrous	No

EN388 4443 CAT.II

GDY471 / GDY471L

- Advanced Knitting Technology for enhanced flexibility and comfort for the most accurate handling
- Excellent abrasion resistance of the polyurethane coating
- Exceptional breathability and grip in dry environment
- GDY471L: heavy cotton canvas cuff reinforced with a split leather strip for comfortable forearm protection

Item	GDY471 / GDY471L
Environment	Dry or slightly wet/oily
Construction	Seamless knitted
Shell material	High tenacity elasticized HPPE/polyamide/ spandex yarn
Gauge	13
Coating	Solvent-based polyurethane
Coating area	Palm
Cuff	Elasticized knitted wrist (GDY471) Elasticized knitted wrist with added safety cuff (GDY471L)
Length (mm)	220-270 / 420-470
Size	6, 7, 8, 9, 10, 11
Packing	Bag: 12 pairs / Carton: 144 pairs (GDY471) Bag: 12 pairs / Carton: 72 pairs (GDY471L)
Ambidextrous	No

EN388 4343 CAT.II

GDY431

- Excellent abrasion resistance of the polyurethane coating
- Exceptional breathability and grip in dry environment

Item	GDY431
Environment	Dry or slightly wet/oily
Construction	Seamless knitted
Shell material	High tenacity elasticized HPPE/polyamide/spandex yarn
Gauge	13
Coating	Solvent-based polyurethane
Coating area	Palm
Cuff	Elasticized knitted wrist
Length (mm)	220-270
Size	6, 7, 8, 9, 10, 11
Packing	Bag: 12 pairs / Carton: 144 pairs
Ambidextrous	No

EN388 4342 CAT.II

GDY450

- Good value for money, without compromising on performance
- Excellent abrasion resistance of the polyurethane coating
- Exceptional breathability and grip in dry environment

Item	GDY450
Environment	Dry or slightly wet/oily
Construction	Seamless knitted
Shell material	High tenacity elasticized HPPE/polyamide/spandex yarn reinforced with mineral fiber
Gauge	13
Coating	Solvent-based polyurethane
Coating area	Palm
Cuff	Elasticized knitted wrist
Length (mm)	220-270
Size	6, 7, 8, 9, 10, 11
Packing	Bag: 12 pairs / Carton: 144 pairs
Ambidextrous	No

EN388 4543 CAT.II

GT74KW

- Perfect for heavy-duty welding tasks and for handling very sharp objects in the presence of oil residues
- Palm lining in para-aramid fabric reinforced with steel fiber for excellent cut resistance
- Excellent thermal performances: resistance to convective heat 3 (more than 10 seconds) and to small drops of molten metal (more than 35 drops)
- Para-aramid stitching for extended durability
- Inner cotton lining for increased comfort

Item	GT74KW
Environment	Dry or moderately wet/oily
Construction	Cut and sewn
Glove material	Cow split leather palm, back and cuff
Inner lining material	Para-aramid fabric reinforced with steel fiber, additional lining in cotton
Cuff	Safety cuff
Length (mm)	395-420
Size	8, 9, 10, 11
Packing	Bag: 10 pairs / Carton: 60 pairs
Ambidextrous	No

Steel-aramidic palm lining

EN388 4524 EN407 413142 CAT.II

GT75DY

- Inner fully lined in high tenacity technical yarn for excellent mechanical performace (cut resistance level 5)
- Exceptional grip of the split leather in the presence of oil residues
- Good thermal performance: burning behavior 4, contact heat resistance 1 (100°C for at least 15 seconds)
- Para-aramid stitching for extended durability

Item	GT75DY
Environment	Dry or moderately wet/oily
Construction	Cut and sewn
Glove material	Cow split leather palm, back and cuff
Inner lining material	High tenacity technical HPPE/polyamide yarn reinforced with mineral fiber
Cuff	Safety cuff
Length (mm)	300-310
Size	9, 11
Packing	Bag: 10 pairs / Carton: 60 pairs
Ambidextrous	No

Inner fully lined in technical yarn (cut resistance level 5)

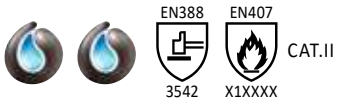
EN388 4543 EN407 41XXXX CAT.II

SPLIT LEATHER GLOVE ensures excellent mechanical protection. It's particularly suitable for abrasive objects with irregular edges handling. In presence of oil residues ensures an unmatched grip.

GKK335G / GKK335GL

- Good impermeability and grip of the grain leather palm in the presence of oil residues
- Inner 100% cotton plating for maximum comfort
- Para-aramid stitching for extended durability
- Contact heat resistance 1 (100°C for at least 15 seconds)
- GKK335GL: extended elasticized cuff

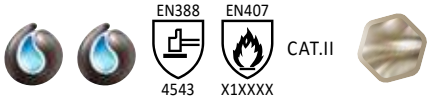
Item	GKK335G / GKK335GL
Environment	Dry or moderately wet/oily
Construction	Seamless knitted
Shell material	High tenacity technical HPPE/polyamide yarn reinforced with mineral fiber. 100% cotton plating
Gauge	10
Reinforcement	Goat grain leather
Reinforcement area	Palm and thumb crotch
Cuff	Elasticized knitted wrist
Length (mm)	230-260 (GKK335G) 280-310 (GKK335GL)
Size	7, 8, 9, 10
Packing	Bag: 10 pairs / Carton: 100 pairs
Ambidextrous	No



GDY335G / GDY335GL

- Advanced Knitting Technology for enhanced flexibility and comfort for the most accurate handling
- Good impermeability and grip of the grain leather palm in the presence of oil residues
- 15-gauge shell in technical yarn for excellent dexterity and tactile sensitivity
- The dense knitted shell reduces dust penetration from the back, even in very dry, dirty environments
- Para-aramid stitching for extended durability
- Contact heat resistance 1 (100°C for at least 15 seconds)
- Extended elasticized cuff
- GDY335GL: heavy cotton canvas cuff reinforced with a split leather strip for comfortable forearm protection

Item	GDY335G / GDY335GL
Environment	Dry or moderately wet/oily
Construction	Seamless knitted
Shell material	High tenacity elasticized HPPE/polyamide/spandex yarn reinforced with mineral fiber
Gauge	15
Reinforcement	Goat grain leather
Reinforcement area	Palm and thumb crotch
Cuff	Elasticized knitted wrist (GDY335G) Elasticized knitted wrist with added safety cuff (GDY335GL)
Length (mm)	230-295 (GDY335G) 430-495 (GDY335GL)
Size	6, 7, 8, 9, 10, 11
Packing	Bag: 12 pairs / Carton: 144 pairs (GDY335G) Bag: 12 pairs / Carton: 72 pairs (GDY335GL)
Ambidextrous	No



GKK330C / GKK332C / GKK544C / GKK333CL

- Exceptional grip of the split leather palm in the presence of oil residues
- Inner 100% cotton plating for maximum comfort
- Para-aramid stitching for extended durability
- Contact heat resistance 1 (100°C for at least 15 seconds)
- GKK332C: extended elasticized cuff and split leather nail guard
- GKK544C: split leather vein guard and nail guard, heavy cotton canvas cuff reinforced with strips of split leather for comfortable forearm protection
- GKK544C: split leather vein-guard and nail-guard, heavy cotton canvas cuff reinforced with a split leather strip for comfortable forearm protection.

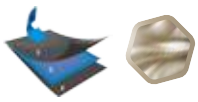
Item	GKK330C / GKK332C / GKK544C /GKK333CL
Environment	Dry or moderately wet/oily
Construction	Seamless knitted
Shell material	High tenacity technical HPPE/polyamide yarn reinforced with mineral fiber. 100% cotton plating
Gauge	10
Coating	Cow split leather
Coating area	Palm and thumb crotch (GKK330C) Palm, thumb crotch and nail-guard (GKK332C) Palm, thumb crotch, nail-guard and vein-guard (GKK544C) Palm and thumb crotch (GKK333CL)
Cuff	Elasticized knitted wrist (GKK330C) Elasticized knitted wrist (GKK332C) Elasticized knitted wrist with added safety cuff (GKK544C) Elasticized knitted wrist with incorporated sleeve (GKK333CL)
Length (mm)	230-270 (GKK330C) 280-320 (GKK332C) 400-440 (GKK544C) 630-660 (GKK333CL)
Size	7, 8, 9, 10, 11* * size 11 not available for mod. GKK333CL
Packing	Bag: 10 pairs / Carton: 100 pairs (GKK330C and GKK332C) Bag: 10 pairs / Carton: 60 pairs (GKK544C) Bag: 10 pairs / Carton: 30 pairs (GKK333CL)
Ambidextrous	No

GDY437FD

- Double coating for impermeability and grip in wet/oily environments
- First coating in liquid-proof smooth nitrile
- Second coating in nitrile foam with sandy finish for exceptional grip in oily environments
- Advanced Knitting Technology for enhanced flexibility and comfort for the most accurate handling

Item	GDY437FD
Environment	Wet/oily
Construction	Seamless knitted
Shell material	High tenacity elasticized HPPE/polyamide/spandex yarn
Gauge	13
Coating	Double layer: liquid-proof smooth nitrile and nitrile foam with sandy finish
Coating area	Full and palm
Cuff	Elasticized knitted wrist
Length (mm)	240-290
Size	6, 7, 8, 9, 10, 11
Packing	Bag: 12 pairs (single packing) / Carton: 144 pairs
Ambidextrous	No

EN388 4343 CAT.II



GDY457 / GDY457L

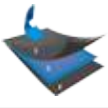
- Double coating for impermeability and grip in wet/oily environments
- First coating in liquid-proof smooth nitrile
- Second coating in nitrile foam with sandy finish for exceptional grip in oily environments
- 3/4 coating with open back for improved comfort and reduced hand fatigue
- GDY457L: heavy cotton canvas cuff reinforced with a split leather strip for comfortable forearm protection

GDY457

GDY457L

Item	GDY457 / GDY457L
Environment	Wet/oily
Construction	Seamless knitted
Shell material	High tenacity elasticized HPPE/polyamide/spandex yarn reinforced with mineral fiber
Gauge	13
Coating	Double layer: liquid-proof smooth nitrile and nitrile foam with sandy finish
Coating area	3/4 and palm
Cuff	Elasticized knitted wrist (GDY457) Elasticized knitted wrist with added safety cuff (GDY457L)
Length (mm)	240-290 (GDY457) 440-490 (GDY457L)
Size	6, 7, 8, 9, 10, 11
Packing	Bag: 12 pairs / Carton: 144 pairs (GDY457) Bag: 12 pairs / Carton: 72 pairs (GDY457L)
Ambidextrous	No

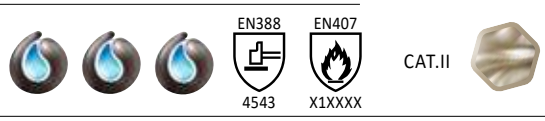
EN388 4543 CAT.II



GDY460G

- Smooth nitrile coating and grain leather palm for impermeability and grip in wet/oily environments
- Good impermeability and grip of the grain leather palm in the presence of oil residues
- Coating in liquid-proof smooth nitrile
- Advanced Knitting Technology for enhanced flexibility and comfort for the most accurate handling
- 15-gauge shell in technical yarn for excellent dexterity and tactile sensitivity
- Para-aramid stitching for extended durability
- Contact heat resistance 1 (100°C for at least 15 seconds)
- Extended elasticized cuff

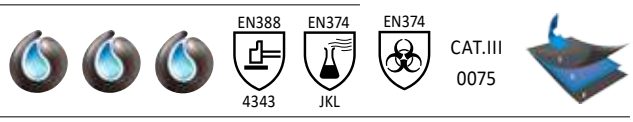
Item	GDY460G
Environment	Wet/oily
Construction	Seamless knitted
Shell material	High tenacity elasticized HPPE/polyamide/spandex yarn reinforced with mineral fiber
Gauge	15
Coating	Liquid-proof smooth nitrile
Coating area	3/4
Reinforcement	Goat grain leather
Reinforcement area	Palm and thumb crotch
Cuff	Elasticized knitted wrist
Length (mm)	250-290
Size	7, 8, 9, 10, 11
Packing	Bag: 12 pairs / Carton: 144 pairs
Ambidextrous	No



TL832A

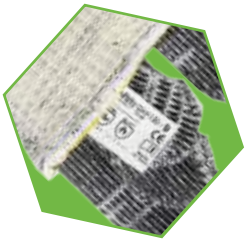
- Perfect for accurate handling of sharp objects in high chemical risk or extremely wet/oily environments
- First coating in liquid-proof smooth nitrile
- Second coating in nitrile foam with sandy finish for exceptional grip in oily environments
- 18-gauge shell in technical yarn for excellent dexterity and tactile sensitivity

Item	TL832A
Environment	Wet/oily
Construction	Seamless knitted
Shell material	High tenacity elasticized HPPE/polyamide/spandex yarn reinforced with mineral fiber
Gauge	18
Thickness (mm)	1,64
Coating	Double layer: liquid-proof smooth nitrile and nitrile foam with sandy finish
Coating area	Full and palm
Cuff	Pinked
Length (mm)	330
Size	8, 9, 10, 11
Packing	Bag: 12 pairs / Carton: 72 pairs
Ambidextrous	No



GKK120 / GKK122 / GKK144

- Cut-resistant liner with inner 100% cotton plating for maximum comfort
- Contact heat resistance 1 (100°C for at least 15 seconds)
- GKK122: extended elasticized cuff
- GKK144: incorporated sleeve for a full forearm protection



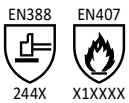
100% cotton plating inside

GKK120

GKK122

GKK144

Item	GKK120 / GKK122 / GKK144
Environment	Dry
Construction	Seamless knitted
Shell material	High tenacity technical HPPE/polyamide yarn reinforced with mineral fiber. 100% cotton plating
Gauge	10
Coating	Uncoated
Cuff	Elasticized knitted wrist (GKK120) Elasticized knitted wrist (GKK122) Elasticized knitted wrist with incorporated sleeve (GKK144)
Length (mm)	220-260 (GKK120) 265-320 (GKK122) 390-470 (GKK144)
Size	6, 7, 8, 9, 10
Packing	Bag: 10 pairs / Carton: 200 pairs (GKK120 and GKK122) Bag: 10 pairs / Carton: 100 pairs (GKK144)
Ambidextrous	Yes

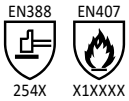


CAT.II

GKK235

- Cut-resistant liner with inner 100% cotton plating for maximum comfort
- Contact heat resistance 1 (100°C for at least 15 seconds)
- Heavy cotton canvas cuff reinforced with a split leather strip for a comfortable forearm protection

Item	GKK235
Environment	Dry
Construction	Seamless knitted
Shell material	High tenacity technical HPPE/polyamide yarn reinforced with mineral fiber. 100% cotton plating
Gauge	10
Coating	Uncoated
Cuff	Elasticized knitted wrist with added safety cuff
Length (mm)	420-460
Size	7, 8, 9, 10, 11
Packing	Bag: 10 pairs / Carton: 50 pairs
Ambidextrous	No



CAT.II

GKK150 / GKK150L

- Cut-resistant liner with exceptional dexterity and comfort thanks to elastic shell and ergonomic design
- GKK150L: heavy cotton canvas cuff reinforced with a split leather strip for comfortable forearm protection

Item	GKK150 / GKK150L
Environment	Dry
Construction	Seamless knitted
Shell material	High tenacity elasticized yarn
Gauge	13
Coating	Uncoated
Cuff	Elasticized knitted wrist (GKK150) Elasticized knitted wrist with added safety cuff (GKK150L)
Length (mm)	220-270 (GKK150) 420-470 (GKK150L)
Size	6, 7, 8, 9, 10, 11
Packing	Bag: 12 pairs / Carton: 144 pairs (GKK150) Bag: 12 pairs / Carton: 72 pairs (GKK150L)
Ambidextrous	Yes (GKK150 only)

EN388 CAT.II 454X

GPA800

- Polyamide/polyester liner for good mechanical resistance and comfort

Item	GPA800
Environment	Dry
Construction	Seamless knitted
Shell material	Polyamide/Polyester
Gauge	10
Coating	Uncoated
Cuff	Elasticized knitted wrist
Length (mm)	220-240
Size	6, 8
Packing	Bag: 10 pairs / Carton: 250 pairs
Ambidextrous	Yes

EN388 CAT.II 224X

GT501

- Abrasafe Technology for improved mechanical resistance
- Inner 100% cotton plating for maximum comfort
- PVC dotting for excellent grip in dry environment

Item	GT501
Environment	Dry
Construction	Seamless knitted
Shell material	Abrasafe® polyamide
Gauge	10
Coating	PVC dotting
Coating area	Palm
Cuff	Elasticized knitted wrist
Length (mm)	220-260
Size	6, 7, 8, 9, 10
Packing	Bag: 10 pairs / Carton: 300 pairs
Ambidextrous	No

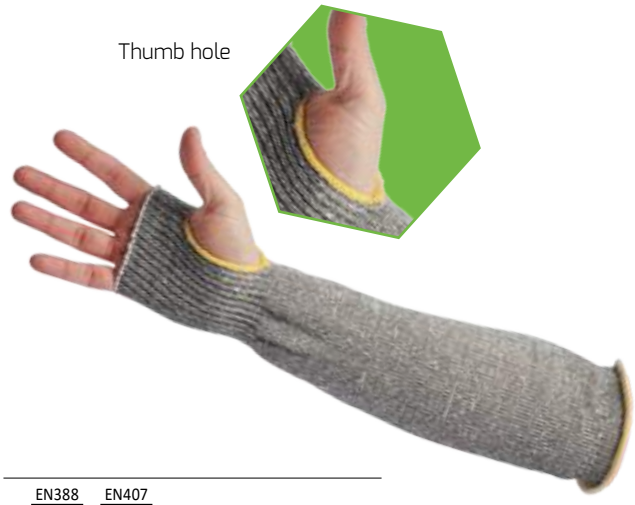
EN388 CAT.II 124X

VFKK154T / VFKK144T / VFKK154 / VFKK144

- Cut-resistant sleeve with inner 100% cotton plating for maximum comfort
- Elasticized wrist and fore-arm edge with synthetic elastomer to prevent the risk of allergies

Item	VFKK154T / VFKK144T / VFKK154 /VFKK144
Environment	Dry
Construction	Seamless knitted
Material	High tenacity technical HPPE/polyamide yarn reinforced with mineral fiber. 100% cotton plating
Gauge	10
Coating	Uncoated
Upper edge and cuff	Elasticized. Extended cuff with thumb hole (VFKK154T) Elasticized. Extended cuff with thumb hole (VFKK144T) Elasticized knitted wrist (VFKK154) Elasticized knitted wrist (VFKK144)
Length (mm)	480 (VFKK154T) 380 (VFKK144T) 400 (VFKK154) 260 (VFKK144)
Size	One size fits all
Packing	Bag: 10 pieces / Carton: 200 pieces
Ambidextrous	Yes

Thumb hole



EN388 253X EN407 X1XXXX CAT.II

VFKK154J

- Cut-resistant sleeve with inner 100% cotton plating for maximum comfort
- Cotton denim outer lining for increased puncture resistance and to reduce entanglement risk. Suitable also for welding tasks.
- Elasticized wrist and fore-arm edge with synthetic elastomer to prevent the risk of allergies

Item	VFKK154J
Environment	Dry
Construction	Seamless knitted
Material	High tenacity technical HPPE/polyamide yarn reinforced with mineral fiber. 100% cotton plating
Gauge	10
Reinforcement	Cotton denim
Reinforcement area	Full
Upper edge and cuff	Elasticized
Length (mm)	400
Size	One size fits all
Packing	Bag: 10 pieces / Carton: 200 pieces
Ambidextrous	Yes

EN388 3442 EN407 X1XXXX CAT.II

SPECIAL-PURPOSE GLOVES

GPRG72

- Manual assembly of parts where is necessary to absorb the pressure on the hands in the areas where absorbing pads are injected
- Special microfiber palm featuring high abrasion resistance
- Polyamide back in ladder-proof fabric
- Extended elasticized wrist

Item	GPRG72
Environment	Dry
Construction	Cut and sewn
Glove material	Microfiber palm, ladder-proof fabric back, polyurethane coated fabric fingertips
Reinforcement	Micro-injected gel pads
Reinforcement area	Palm, punch side and metacarpus
Cuff	Elasticized knitted wrist
Length (mm)	275-305
Size	7, 8, 9, 10
Packing	Bag: 1 pair / Carton: 50 pairs
Ambidextrous	No

EN388
4121
CAT.II

GPRG73

- Manual assembly of parts where is necessary to absorb the pressure on the fingertips where the absorbing pads are injected
- Special microfiber palm featuring high abrasion resistance
- Polyamide back in ladder-proof fabric
- Extended elasticized wrist

Item	GPRG73
Environment	Dry
Construction	Cut and sewn
Glove material	Microfiber palm, ladder-proof fabric back
Reinforcement	Micro-injected gel pads
Reinforcement area	Fingertips of thumb, index and middle finger
Cuff	Elasticized knitted wrist
Length (mm)	275-305
Size	7, 8, 9, 10
Packing	Bag: 1 pair / Carton: 50 pairs
Ambidextrous	No

EN388
4121
CAT.II

GDY437V

- Cut-resistant glove for accurate handling of sharp objects where is necessary to absorb the pressure on the palm through absorbing pads
- Thumb crotch reinforcement in special fabric featuring high abrasion resistance
- Cuff with Velcro® strap for increased comfort

Item	GDY437V
Environment	Dry or slighty wet/oily
Construction	Seamless knitted
Shell material	High tenacity elasticized HPPE/polyamide/spandex yarn
Gauge	13
Coating	Double layer: liquid-proof smooth nitrile and nitrile foam with sandy finish
Coating area	Palm
Reinforcement	Absorbing pads
Reinforcement area	Palm
Cuff	Elasticized knitted wrist with Velcro® strap
Length (mm)	225-275
Size	7, 8, 9, 10, 11
Packing	Bag: 12 pairs / Carton: 72 pairs
Ambidextrous	No

EN388 4342 CAT.II

GDY438VI

- Cut-resistant glove for accurate handling of sharp objects where is necessary to absorb the pressure on the hands through absorbing pads
- Thumb crotch reinforcement in special fabric featuring high abrasion resistance
- Added impact protection pads in thermoplastic rubber on the back
- Cuff with Velcro® strap for increased comfort

Item	GDY438VI
Environment	Dry or slighty wet/oily
Construction	Seamless knitted
Shell material	High tenacity elasticized HPPE/polyamide/spandex yarn
Gauge	13
Coating	Double layer: liquid-proof smooth nitrile and nitrile foam with sandy finish
Coating area	Palm
Reinforcement	Absorbing pads. TPR (thermoplastic rubber)
Reinforcement area	Absorbing pads on palm, TPR on back of palm and fingers
Cuff	Elasticized knitted wrist with Velcro® strap
Length (mm)	225-275
Size	7, 8, 9, 10, 11
Packing	Bag: 12 pairs (single packing) / Carton: 72 pairs
Ambidextrous	No

EN388 4342 CAT.II

GPAV1121

- Seamless glove palm coated with neoprene absorbing pads (EN ISO 10819:1996 (TRM=0,77 ; TRH=0,57) for handling vibrating equipment
- Very good grip on the neoprene palm in dry or slightly wet/oily environments

Item	GPAV1121
Environment	Dry or slighty wet/oily
Construction	Seamless knitted
Shell material	Polyamide/Cotton
Gauge	7
Reinforcement	Neoprene absorbing pads
Reinforcement area	Palm and thumb crotch
Cuff	Elasticized knitted wrist
Length (mm)	235-245
Size	8, 9
Packing	Bag: 10 pairs / Carton: 100 pairs
Ambidextrous	No

EN388
3343

CAT.II
EN ISO 10819

THERMAL-RESISTANT GLOVES AND WELDING EQUIPMENT

GT401

- For high temperature environments (glass or steel industry) where excellent protection is required, especially against convective and radiant heat
- Double layer palm in heavy cotton canvas, internally brushed
- Double layer back in in heavy cotton jersey, internally brushed with added knuckle protection
- 100% flame retardant treated cotton
- Para-aramid stitching for extended durability

Item	GT401
Environment	Dry
Construction	Cut and sewn
Glove material	Double layer heavy cotton canvas palm, internally brushed. Triple layer heavy cotton jersey back, internally brushed
Inner lining material	Unlined
Cuff	Safety cuff
Length (mm)	350-365
Size	10, 12
Packing	Bag: 10 pairs / Carton: 60 pairs
Ambidextrous	No

EN388 2222 EN407 4243XX CAT.III 0075

GT201

- Mitten for high temperature environments (glass or steel industry) where excellent protection is required, especially against convective and radiant heat
- Double layer palm in heavy cotton canvas, internally brushed
- Double layer back in in heavy cotton jersey, internally brushed with added knuckle protection
- 100% flame retardant treated cotton
- Para-aramid stitching for extended durability

Item	GT201
Environment	Dry
Construction	Cut and sewn
Glove material	Double layer heavy cotton canvas palm, internally brushed. Double layer heavy cotton jersey back, internally brushed
Inner lining material	Unlined
Cuff	Safety cuff
Length (mm)	325
Size	10
Packing	Bag: 10 pairs / Carton: 60 pairs
Ambidextrous	No

EN388 1222 EN407 4131XX CAT.II

GT200L

- For high temperature environments
- Double layer palm in cotton canvas, internally brushed
- Triple layer back

Item	GT200L
Environment	Dry
Construction	Cut and sewn
Glove material	Double layer cotton canvas palm and back internally brushed. Cotton canvas knuckle reinforcement
Inner lining material	Unlined
Cuff	Safety cuff
Length (mm)	350
Size	10
Packing	Bag: 10 pairs / Carton: 100 pairs
Ambidextrous	No

EN388 1222 EN407 X241XX CAT.II

GPAN300

- For outdoor jobs in cold and wet environments
- Excellent grip in wet environments thanks to the double coating in waterproof latex with sandy finish
- Double thermal insulation (contact heat and contact cold) thanks to the terry loop acrylic shell

Item	GPAN300
Environment	Dry or moderately wet
Construction	Seamless knitted
Shell material	Terry loop acrylic
Gauge	10
Coating	Double layer latex with sandy finish
Coating area	Palm and thumb
Cuff	Elasticized knitted wrist
Length (mm)	265-295
Size	8, 9, 10, 11
Packing	Bag: 12 pairs (single packing) / Carton: 144 pairs
Ambidextrous	No

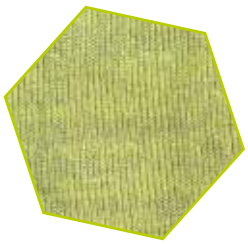
EN388 2241 | EN407 X2XXXX | EN511 X1X | CAT.II

GT74KW

- Perfect for heavy-duty welding tasks and for handling very sharp objects in the presence of oil residues
- Palm lining in para-aramid fabric reinforced with steel fiber for excellent cut resistance
- Excellent thermal performance: resistance to convective heat 3 (more than 10 seconds) and to small drops of molten metal (more than 35 drops)

Item	GT74KW
Environment	Dry or moderately wet/oily
Construction	Cut and sewn
Glove material	Cow split leather palm, back and cuff
Inner lining material	Para-aramid fabric reinforced with steel fiber, additional lining in cotton
Cuff	Safety cuff
Length (mm)	395-420
Size	8, 9, 10, 11
Packing	Bag: 10 pairs / Carton: 60 pairs
Ambidextrous	No

Steel-aramidic palm lining



EN388 4524 | EN407 413142 | CAT.II

GT540W

- Perfect for heavy-duty welding tasks where light cut protection is required
- Good mechanical resistance thanks to the triple layer palm: split leather, synthetic fabric, split leather
- Inner cotton fleece lining on palm for maximum comfort
- Protective sleeve with cotton denim lining for high mechanical resistance
- Full reinforcement welt and para-aramid stitching for extended durability

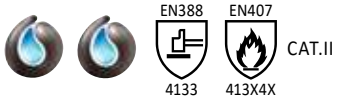
Item	GT540W
Environment	Dry or moderately wet/oily
Construction	Cut and sewn
Glove material	Triple layer cow split leather / synthetic fabric / cow split leather palm. Cow split leather back and cuff
Inner lining material	Cotton fleece on palm. Cotton denim on cuff
Cuff	Safety cuff
Length (mm)	350
Size	10
Packing	Bag: 10 pairs / Carton: 60 pairs
Ambidextrous	No

EN388 4244 | EN407 433X4X | CAT.II | EN12477 TYPE A

GT520W

- Perfect for heavy-duty welding tasks with limited cut risk
- Reinforcement welt for extended durability

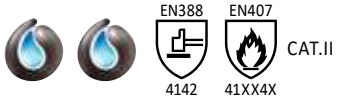
Item	GT520W
Environment	Dry or moderately wet/oily
Construction	Cut and sewn
Glove material	Cow split leather palm, back and cuff
Inner lining material	Cotton fleece on palm. Cotton canvas on cuff
Cuff	Safety cuff
Length (mm)	345
Size	10
Packing	Bag: 10 pairs / Carton: 60 pairs
Ambidextrous	No



GT73W

- Perfect for medium-duty welding tasks
- Excellent resistance to small drops of molten metal
- Contact heat resistance 1 (100°C for at least 15 seconds)

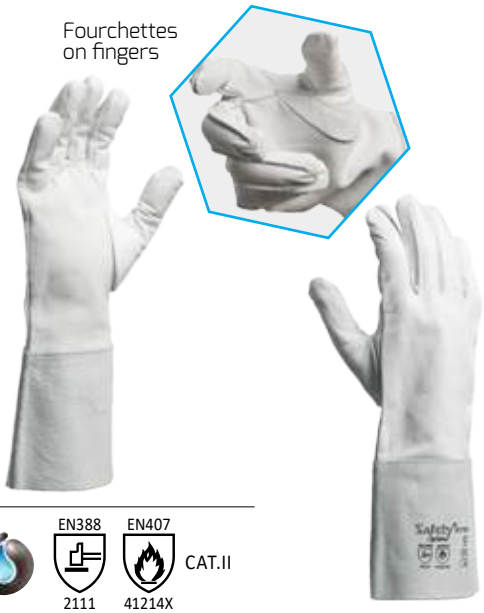
Item	GT73W
Environment	Dry or moderately wet/oily
Construction	Cut and sewn
Glove material	Cow grain leather palm, index and vein-guard, cow split leather back and cuff
Cuff	Safety cuff
Length (mm)	345-350
Size	10, 11
Packing	Bag: 10 pairs / Carton: 100 pairs
Ambidextrous	No

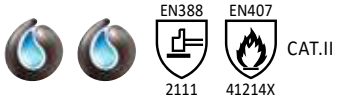


GT72W

- Perfect for high dexterity welding tasks
- Fourchettes on fingers for improved flexibility
- Excellent resistance to small drops of molten metal

Item	GT72W
Environment	Dry or moderately wet/oily
Construction	Cut and sewn
Glove material	Goat grain leather palm and back, cow split leather cuff
Cuff	Safety cuff
Length (mm)	345-385
Size	7, 8, 9, 10, 12
Packing	Bag: 10 pairs / Carton: 100 pairs
Ambidextrous	No





VFKK154J

- Cut-resistant sleeve with inner 100% cotton plating for maximum comfort
- Cotton denim outer lining for increased puncture resistance and to reduce entanglement risk. Suitable also for welding tasks.
- Elasticized cuff and fore-arm edge with synthetic elastomer to prevent the risk of allergies

Item	VFKK154J
Environment	Dry
Construction	Seamless knitted
Material	High tenacity technical HPPE/polyamide yarn reinforced with mineral fiber. 100% cotton plating
Gauge	10
Reinforcement	Cotton denim
Reinforcement area	Full
Upper edge and cuff	Elasticized
Length (mm)	400
Size	One size fits all
Packing	Bag: 10 pieces / Carton: 200 pieces
Ambidextrous	Yes

EN388 3442 EN407 X1XXXX CAT.II

VFCOB50

- Sleeve for high temperature environments (glass or steel industry)
- 100% cotton cuff for maximum comfort

Item	VFCOB50
Environment	Dry
Construction	Cut and sewn
Material	Terry loop cotton
Upper edge and cuff	100% cotton knitted cuff, elasticized upper edge
Length (mm)	490
Size	One size fits all
Packing	Bag: 10 pieces / Carton: 60 pieces
Ambidextrous	Yes

EN388 2221 EN407 X2XXXX CAT.II

V40E

- Welding sleeve

Item	V40E
Environment	Dry or slighty wet/oily
Construction	Cut and sewn
Material	Cow split leather
Upper edge and cuff	Elasticized
Length (mm)	400
Size	One size fits all
Packing	Carton: 50 pieces
Ambidextrous	Yes

EN470 CAT.II

V20 / V20L

- Welding apron

Modello	V20 / V20L
Environment	Dry or slighty wet/oily
Construction	Cut and sewn
Material	Cow split leather
Dimensions (cm)	60X80 (V20) / 60X100 (V20L)
Size	One size fits all
Packing	Bag: 1 piece / Carton: 25 pieces

EN470 CAT.II

VGH

- Welding gaiter
- Fastening and adjustment via Velcro® strap
- Under-shoe adjustment via leather stripe

Item	VGH
Environment	Dry or slighty wet/oily
Construction	Cut and sewn
Material	Cow split leather
Dimensions (cm)	29 X 31
Size	One size fits all
Packing	Bag: 10 pieces / Carton: 50 pieces
Ambidextrous	Yes

EN470 CAT.II

VGHPROBAN

- Welding gaiter
- 100% TenCate Tecapro® fabric with Proban® finish featuring flame retardant treatment and resistance to small drops of molten metal
- Fastening and adjustment via Velcro® strap
- Under-shoe adjustment via fabric stripe

Item	VGHPROBAN
Environment	Dry
Construction	Cut and sewn
Matériel	Cotton Tecapro® fabric with Proban® finish
Dimensions (cm)	29 X 31
Size	One size fits all
Packing	Bag: 10 pieces / Carton: 40 pieces
Ambidextrous	Yes

CAT.I

V911

- Welding cap
- 100% TenCate Tecapro® fabric with Proban® finish featuring flame retardant treatment and resistance to small drops of molten metal
- Fastening and adjustment through fabric stripe

Item	V911
Environment	Dry
Construction	Cut and sewn
Matériel	Cotton Tecapro® fabric with Proban® finish
Size	One size fits all
Packing	Bag: 10 pieces / Carton: 100 pieces

CAT.I

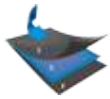
CHEMICAL-RESISTANT AND DISPOSABLE GLOVES

TL832A

- Perfect for accurate handling of sharp objects in high chemical risk or extremely wet/oily environments
- First coating in liquid-proof smooth nitrile
- Second coating in nitrile foam with sandy finish for an exceptional grip in oily environments
- Excellent dexterity and tactile sensitivity thanks to the 18-gauge shell in technical yarn

Item	TL832A
Environment	Wet/oily
Construction	Seamless knitted
Shell material	High tenacity elasticized HPPE/polyamide/spandex yarn reinforced with mineral fiber
Gauge	18
Thickness (mm)	1,64
Coating	Double layer: liquid-proof smooth nitrile and nitrile foam with sandy finish
Coating area	Full and palm
Cuff	Pinked
Length (mm)	330
Size	8, 9, 10, 11
Packing	Bag: 12 pairs / Carton: 72 pairs
Ambidextrous	No

EN388 4343 | EN374 JKL | EN374 | CAT.III 0075



GTBF4EB

- Good grip in wet/oily environments thanks to granular rough finish on the whole surface of the hand
- High chemical resistance against petroleum by-products, solvents and detergents
- 100% cotton lining for maximum comfort

Item	GTBF4EB
Shell material	Cotton interlock
Glove material	Nitrile
Thickness (mm)	0,9
Finish/grip	Granular
Cuff	Pinked
Length (mm)	300
Size	7, 8, 9, 10
Packing	Bag: 12 pairs / Carton: 72 pairs
Ambidextrous	No

EN388 3111 | EN374 JKL | EN374 | CAT.III 0120

GTDF09

- Diamond-finish surface for good grip in wet/oily environments
- High chemical resistance to petroleum by-products, solvents and detergents

Item	GTDF09
Shell material	Cotton flocklined
Glove material	Nitrile
Thickness (mm)	0,46
Finish/grip	Diamond
Cuff	Straight
Length (mm)	330
Size	7, 8, 9, 10, 11
Packing	Bag: 12 pairs (single packing)/ Carton: 120 pairs
Ambidextrous	No

EN388 4102 | EN374 AJKL | EN374 | CAT.III 0120

GT108M

ECOFRIENDLY PROCESS

POLYMERIZATION PROCESS TO INCREASE COMFORT ON USE AND TO REDUCE ENVIRONMENTAL IMPACT

GTF07

- Sandy anti-slip finish for good grip in wet/oily environments
- High chemical resistance to petroleum by-products, solvents and detergents

Item	GTF07
Shell material	Cotton flocklined
Glove material	Nitrile
Thickness (mm)	0,38
Finish/grip	Sandy
Cuff	Straight
Length (mm)	330
Size	7, 8, 9, 10, 11
Packing	Bag: 12 pairs (single packing) / Carton: 120 pairs
Ambidextrous	No

EN388 4101 | EN374 AJKL | EN374 | CAT.III 0120

GTCF09

- Diamond-finish surface for good grip in wet/oily environments
- High chemical resistance to petroleum by-products, solvents and detergents

Item	GTCF09
Shell material	Cotton flocklined
Glove material	Nitrile
Thickness (mm)	0,31
Finish/grip	Diamond
Cuff	Straight
Length (mm)	330
Size	7, 8, 9, 10, 11
Packing	Bag: 12 pairs (single packing) / Carton: 120 pairs
Ambidextrous	No

EN388 3101 | EN374 AJKL | EN374 | CAT.III 0120

GTAF09

- Diamond-finish surface for good grip in wet/oily environments

Item	GTAF09
Shell material	Cotton bamboo flocklined
Glove material	Nitrile
Thickness (mm)	0,25
Finish/grip	Diamond
Cuff	Straight
Length (mm)	300
Size	7, 8, 9, 10, 11
Packing	Bag: 12 pairs (single packing) / Carton: 120 pairs
Ambidextrous	No

EN388 2101 | EN374 | EN374 | CAT.III 0120

GT110M

- Inner polymerization for easy donning and doffing, even after long usage. Polymerization is a less aggressive technological process for the glove and more eco-friendly than chlorination.
- Fully micro-textured hand surface for good grip in wet/oily environment
- Suitable for contact with food stuffs
- Class 1 medical device according to European Directive 93/42 and EN455 standard
- Powder-free
- Latex-free

Item	GT110M
Shell material	Polymerization
Glove material	Nitrile (green)
Thickness (mm)	0,125
Finish/grip	Micro-textured
Cuff	Rolled
Length (mm)	240-246
Size	5½ / 6 (XS); 6½ / 7 (S); 7½ / 8 (M); 8½ / 9 (L); 9½ / 10 (XL); 10½ / 11 (XXL)
Packing	Box: 100 pieces / Carton: 1000 pieces
Ambidextrous	Yes

EN374 EN374 CAT. III 0321

GT108M

- Inner polymerization for easy donning and doffing, even after long usage. Polymerization is a less aggressive technological process for the glove and more eco-friendly than chlorination.
- Fully micro-textured hand surface for good grip in wet/oily environment
- Suitable for contact with food stuffs
- Class 1 medical device according to European Directive 93/42 and EN455 standard
- Powder-free
- Latex-free

Item	GT108M
Shell material	Polymerization
Glove material	Nitrile (blue)
Thickness (mm)	0,11
Finish/grip	Micro-textured
Cuff	Rolled
Length (mm)	240-246
Size	5½ / 6 (XS); 6½ / 7 (S); 7½ / 8 (M); 8½ / 9 (L); 9½ / 10 (XL); 10½ / 11 (XXL)
Packing	Box: 100 pieces / Carton: 1000 pieces
Ambidextrous	Yes

EN374 EN374 CAT. III 0321

PROTECTION, CLEANLINESS AND CARE OF THE SKIN

The key role of products for skin protection is to prevent the damaging effects of work materials or work conditions on the skin.
Herwe skin protection products build barriers that prevent contact between working materials and skin.

HERWESAN PRO

For heavy soiling, oils, water-insoluble working materials, facilitates skin cleansing.

Features

- Water-soluble cream
- O/W type emulsion
- Fast-absorbing, easily spreadable
- Very good grip
- Slightly scented, silicon-free
- Neutral pH

HERWESAN PRO		
Area of use	**Application**	**Packaging**
For heavy soiling	Oils, fats, dust, soot	100 ml tube
		2000 ml pouch bottle

HERWESAN OLIO

For soiling, oils, oil-soluble working materials, build a microfilm with good grip, facilitating skin cleansing.

Features

- Fat-free, fast absorbing, water soluble cream
- O/W type emulsion
- Forms microfilm with good grip
- Slightly scented, silicon-free
- High wax and pigment content

HERWESAN OLIO		
Area of use	**Application**	**Packaging**
For oil-soluble working materials	Oils, fats, solvents, thinners	100 ml tube
		2000 ml pouch bottle

HERWESAN ACQUA

For soiling, water based working materials and detergent solutions.

Features

- Water-insoluble cream
- W/O emulsion
- High adhesiveness
- Very fatty
- Slightly scented, silicon-free

HERWESAN ACQUA		
Area of use	**Application**	**Packaging**
For water-based working materials	Lubricants, drilling emulsions, diluted lyes, detergent solutions, alkaline and acid cleaners, cement, mortar, lime	100 ml tube
		2000 ml pouch bottle

HERWESAN DUE

For soiling, water-soluble and/or water-insoluble work materials.

Features

- O/W type emulsion
- Fast-absorbing, easily spreadable
- Slightly greasy
- Discreetly scented, silicon-free

HERWESAN DUE		
Area of use	**Application**	**Packaging**
For water-soluble and/or water-insoluble wor-king materials	Not clearly defined skin stresses	100 ml tube
		2000 ml pouch bottle

HERWE EMULSION

Against skin softening caused by the wearing of airtight clothing and contact with water-based working materials and for the skin's mechanical stress.
Increases the wearing comfort of protective clothing, gloves, safety shoes.

Features

- Non-greasy O/W emulsion
- To be used only once a day
- With witch hazel extract
- Slightly scented, silicon-free

HERWE EMULSION		
Area of use	**Application**	**Packaging**
Against skin softening	Wearers of airtight gloves and gumboots	250 ml bottle
		1000 ml hard bottle
		2000 ml pouch bottle

HERWE CURA/HERWE CURA LIQUIDO

Skin care products are able to support the generative process after work and restore the skin's original elasticity and barrier function.

Features

- Slightly greasy cream/lotion of the O/W type emulsion
- Contains natural oils and bees wax
- Easily absorbed, ensures a pleasant skin sensation
- For hands, face and body
- Promotes skin regeneration
- Slightly scented, silicon-free
- Suitable for all skin types

HERWE CURA/HERWE CURA LIQUIDO		
Area of use	**Application**	**Packaging**
To promote skin regeneration	To put after work on clean hands, face, and body	100 ml tube (Cura)
		1000 ml hard bottle (Cura)
		1250 ml botle (Cura liquido)
		1000 ml hard bottle (Cura liquido)

DERMASEPT GEL

Desinfectant gel for hygienic hand desinfection without water

Features

- No dyes or fragrances
- Well tolerated by the skin
- Effective against a wide range of bacteria and enveloped viruses such as: H1N1(swine flu virus), H5N1 (bird flu virus), HBV (hepatitis B virus) and HIV
- Tested according to EN 1500 (hygienic hand disinfection) and the DVV/ RKI guideline (test for limited virucidal properties)

DERMASEPT GEL		
Area of use	**Application**	**Packaging**
For hygienic hand desinfection	Wherever there is a higher risk of bacterial and viral transmission	1000 ml hard bottle
		1000 ml hard bottle

HERWE ORANGE FRESH

Hand clearing wipes for use without water.

Features

- High cleaning power through one-sided, abrasive paper structure
- With a wipe side without woven scrubbing particles, thus also suitable for mild skin or surface cleansing
- Pleasant fresh scent

HERWE ORANGE FRESH		
Area of use	**Application**	**Packaging**
For removing all kinds of soiling	For hand cleaning of strong soiling like oils, color, varnish, resins, fats	70 wipes per bucket

HERWE MOSKIT SPRAY

Spray for the effective protection against mosquitoes and ticks for four hours.

Features

- For use on skin and clothes
- Dermatologically tested
- With fresh scent
- For tropical use
- Registered according to the biocidal guideline, BAUA no.: N-35322
- Use biocides safely. Always read the product's characteristics and information

HERWE MOSKIT SPRAY		
Area of use	**Application**	**Packaging**
For the effective protection against mosquitoes and ticks	Main area of use is outside work, especially in the summer months	100 ml spray bottle
		1L bottle

HERWE FUSS SPRAY

Refreshing spray against foot odor and foot fungus. Especially developed for use in working shoes and boots.
Suitable for daily care. The shoes can also be sprayed for preventing foot fungus.

Features

- Contains cooling and invigorating substances that promote blood circulation like menthol, mint oil and camphor
- The chamomile active ingredient and moisturizer ensure a caring effect

HERWE FUSS SPRAY		
Area of use	**Application**	**Packaging**
For refreshing and preventing foot fungus	To improve the shoes comfort	100 ml spray bottle
		1000 ml bottle

HERWE DISPENSER UNIVERSALI

The HERWE universal dispensers for all HERWE protective and hygienic assortment.
Integrated pump prevents the dispenser from coming in direct contact with the material to be pumped. The mechanism integrated in the dispenser allows the variable adjustment of the product dosage depending on product and field of application. This leads to economical and thrifty use.
1000 ml and 2000 ml pouch bottles.
Dispenser available: made from stainless steel, impact-resistant plastic and three Herwemat dispenser mounted on a wall plate.

HERWE DISPENSER UNIVERSALI	
Model	**Dimensions**
HERWEMAT UNI 2000 METALLO	W134 x H136 x D128 (mm)
HERWEMAT UNI 2000 PLASTIC	W134 x H136 x D128 (mm)
HERWEMAT UNI 2000 TRIDISPENSER PLASTIC	W380 x H320 x D125 (mm)

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