MAPA®
PROFESSIONAL

The future is
in our hands

PROTECTIVE GLOVES

www.alasdaf.com.sa

2026
CATALOGUE

A TRUSTED COMPANY

At Mapa Professional, our vision is that the hand protection industry is rooted in the absolute trust that users place in their gloves. We firmly believe this trust can only be built through permanent user-centric approach, effective innovation capacity and positive collaboration among all stakeholders.

Protecting millions of hands worldwide by mutualizing our expertise with our users, clients, and partners to develop and provide reliable and high-performing hand protection solutions.

Mapa Professional protects the most valuable hands in the world, yours.

MAPA PROFESSIONAL | The future is in our hands

A unique expertise, built on more than 45 years of experience, market knowledge and research and innovation capabilities.

We have a whole dedicated team to understanding our users' needs and to designing solutions suitable for use at workstations for most industries.

2 R&D centres in France and Malaysia
60 engineers and technicians

Integrated production
3 factories worldwide

1 Application laboratory
Reproducing real glove use conditions with internal tests going beyond regulatory standards (grip, durability, dexterity, contact heat).

1 Customer Technical Service
stc.mapaspontex@newellco.com

MAPA PROFESSIONAL introduces its

Corporate Social Responsibility initiative
"Our Caring Actions"

Our long-term perspective centres around **a process of continuous improvement** to develop more responsible sourcing, mitigate our environmental impact and improve social standards with **concrete actions and specific goals**.

We are striving to meet our stakeholders' expectations whilst **working towards a greener future** in which we play an active role in terms of sustainability as we firmly believe that all our efforts, our caring actions for you, for us, no matter how big or small, once combined and multiplied, will have a positive impact.

Read more about our CSR

CERTIFICATIONS AND AUDITS

GOLD | Top 5% ecovadis Sustainability Rating SEP 2025

CE

OEKO TEX® STANDARD 100 CQ 979/2 IFTH

OEKO TEX® STANDARD 100 CQ 979/3 IFTH (For recycled fibres)

BUSINESS SOCIAL COMPLIANCE INITIATIVE BSCI www.bsci-intl.org Participant of BSCI

Sedex®

FSC www.fsc.org FSC™ N004702 The mark of responsible forestry

ISO 9001 CERTIFIED — Quality management

ISO 14001 CERTIFIED — Environmental management

ISO 45001 CERTIFIED — Occupational health and safety management

An initiative with brand- specific commitments related to our activities based on the group's CSR policies

newell BRANDS

EUROPEAN LEGISLATION AND STANDARDS

Regulation (EU) 2016/425

Why a PPE Regulation?

Protective gloves are PPE (Personal Protective Equipment) and must comply with the European Regulation 2016/425 in order to freely circulate within the European Union.
The Regulation 2016/425 contains the requirements that PPE must satisfy to guarantee the health and safety of users.
That means that PPE must protect up to the required levels without compromising the user's health.
Harmonised European standards (EN 388, EN ISO 374-1...) are used in the certification process to assess conformity of the product to the requirements of the PPE Regulation in relation to the risks against which the product is intended to offer protection.
The manufacturer must indicate the conformity of the product by CE marking it. He must also provide a EU declaration of conformity.

PPE Regulation (EU) 2016/425

This European Regulation was implemented on 21 April 2018. It replaced the European Directive 89/686/EC, which was withdrawn on this same date.

Regulation (EU) 2016/425 and Directive 89/656/EEC

Regulation (EU) 2016/425 stipulates the essential health and safety requirements for designing and manufacturing PPE, as well as the responsibility of manufacturers or importers and conformity procedures to affix the CE marking on PPE.
Directive 89/656/EEC is dedicated to professional users of PPE. It lays down the responsibilities of employers to supply their employees with adequate CE-marked PPE and ensure their safe use.

CATEGORIES OF RISK AND CORRESPONDING CERTIFICATION PROCEDURE

CAT 1

Minimal risks only. The manufacturer is responsible for the conformity of its products.

CAT 2

Risks other than CAT 1 and CAT 3. CE-certificate of conformity obtained from a Notified Body.

CAT 3

Risks causing irreversible damage to health. CE-certificate of conformity and conformity of the production from Notified Bodies.

Standards Highlights

ISO 18889:2019

Protective gloves for pesticide operators and re-entry workers

Protective gloves are classified into 2 categories:

WHOLE HAND PROTECTION GLOVE		PARTIAL HAND PROTECTION GLOVE (fingertips and palm-side)
Relatively low potential risk	Higher potential risk	
G1 gloves	**G2 gloves**	**GR gloves**
ISO 18889 G1	ISO 18889 G2	ISO 18889 GR
Handling **diluted** pesticides. No mechanical risk.	Handling **diluted** or **concentrated** pesticides. Minimum mechanical resistance requirement.	Re-entry worker who is in contact with **dry** and **partially dry** pesticide residues **that remain on the plant** after pesticide application. Mechanical properties that are required for several re-entry tasks. Breathable material in the back of the hand provides comfort.
▼	▼	▼
Disposable gloves	**Chemical gloves**	**High dexterity mechanical gloves**

EN 407

Protective gloves and other hand protective equipments against thermal risks

The **EN 407** standard has been revised recently.

The main reason for the revision is the **inclusion of thermal** protection articles for private use (oven gloves, potholders, etc) in the new **PPE Regulation (EU) 2016/425**

➜ The performance levels remain unchanged!
The major change is the integration of a new pictogram.

For gloves resistant to flame	For gloves non-resistant to flame
	NEW
EN 407	EN 407

STATIC ELECTRICITY

Standards dealing with electrostatic properties.

Working in ATEX zones or handling electronic devices both require gloves that are dissipative. Since there is no specific standard for ESD (electrostatic discharge) gloves, MAPA PROFESSIONAL follows the strict EN 16350 standard for ATEX gloves. Gloves that meet this standard are also suitable for handling electronic devices.

GLOVES STANDARDS REQUIREMENT		TEST METHOD	PICTOGRAM
ATEX environment	**EN 16350** **Vertical resistance: <10^8 Ω at 25% relative humidity** **The tests must be performed on 5 samples which must all pass the limit of vertical resistance*	**EN 1149-2**	**Introduced in EN ISO 21420: 2020** NEW EN 16350
Protection of electronic devices from **E**lectro**S**tatic **D**ischarge (ESD)	**No standard**	**No test method**	**No pictogram**

EN ISO 21420

The **EN 420** standard was revised in 2020 becoming standard **EN ISO 21420.**

The revised **EN ISO 21420** standard for protective gloves includes these key updates:

- **Innocuousness:** Limits on harmful substances like DMFa and PAHs in gloves.
- **Electrostatic Properties:** New EN 16350 pictogram for gloves suitable in ATEX zones, with other electrostatic standards (EN 1149) still applicable.
- **Glove sizing:** No minimum length requirement; sizes based on hand dimensions.
- **Glove marking:** Must include manufacturing and obsolescence (if applicable) dates for traceability.
- **Instructions for use:** Must provide detailed guidance on usage, hygiene, and warnings (with allergens listed upon request).

How to read the standards

The following pictograms can help you understand the performance characteristics of a glove:

MECHANICAL PROTECTION

MECHANICAL HAZARDS EN 388

4 3 4 3 C (P)

- Protection against impacts (P)
- **From A to F*** ISO 13997 cut resistance
- **From 0 to 4** Puncture resistance
- **From 0 to 4** Tear resistance
- **From 0 to 5** Coupetest cut resistance
- **From 0 to 4** Abrasion resistance

*

Cut Level	A	B	C	D	E	F
Cut Resistance (Newtons)	≥ 2	≥ 5	≥ 10	≥ 15	≥ 22	≥ 30

CHEMICAL AND MICRO-ORGANISMS PROTECTION

CHEMICAL PROTECTION EN ISO 374-1

EN ISO 374-1 / TYPE A	EN ISO 374-1 / TYPE B	EN ISO 374-1 / TYPE C
A J K L P R	**J K L**	
Resistance to penetration EN 374-2	**Resistance to penetration EN 374-2**	**Resistance to penetration EN 374-2**
Breakthrough time **≥ 30 min** for at least **6 chemicals** on the list (EN 16523-1)	Breakthrough time **≥ 30 min** for at least **3 chemicals** on the list (EN 16523-1)	Breakthrough time **≥ 10 min** for at least **1 chemical** on the new list (EN 16523-1)

Degradation test according to EN 374-4 is undertaken without performance level requirement

LETTER CODE

A Methanol	**G** Diethylamine	**M** Nitric acid 65 %
B Acetone	**H** Tetrahydrofuran	**N** Acetic acid 99%
C Acetonitrile	**I** Ethyl acetate	**O** Ammonia 25%
D Dichloromethane	**J** n-Heptane	**P** Hydrogen peroxide 30%
E Carbon disulphide	**K** Sodium hydroxide 40%	**S** Hydrogen fluoride 40%
F Toluene	**L** Sulphuric acid 96%	**T** Formaldehyde 37%

MICRO-ORGANISMS PROTECTION EN ISO 374-5

The gloves must pass the penetration resistance test EN 374-2. — EN ISO 374-5 — For gloves protecting against bacteria and fungi.

If virus protection is claimed, glove has to pass ISO 16604 method B (Phi-X174 bacteriophage) — EN ISO 374-5 VIRUS — For gloves protecting against bacteria, fungi and viruses.

OTHERS

RADIOACTIVE CONTAMINATION EN 421:2010

WITH NO PERFORMANCE LEVELS

PROTECTION AGAINST PESTICIDES ISO 18889

- ISO 18889 G1 — Resistance to diluted pesticides/ no mechanical risk
- ISO 18889 G2 — Resistance to diluted and concentrated pesticides/ mechanical risk
- ISO 18889 GR — Re-entry tasks

PROTECTION AGAINST STATIC ELECTRICITY EN 16350

THERMAL PROTECTION

COLD HAZARD EN 511

3 2 1

- **0 or 1** Water permeability
- **From 0 to 4** Contact cold resistance
- **From 0 to 4** Convective cold resistance

HEAT AND FIRE EN 407

X 2 X X X X

- **From 0 to 4** Resistance to large quantities of molten metal
- **From 0 to 4** Resistance to small drops of molten metal
- **From 0 to 4** Radiant heat resistance
- **From 0 to 4** Convective heat resistance
- **From 0 to 4** Contact heat resistance
- **From 0 to 4** Limited flame spread

X: the test does not apply or the glove has not been tested

How to read this catalogue

Step 1: Identify your protection needs

PAGE 14 Chemical protection
Disposable
Reusable

PAGE 34 Mechanical protection
Handling protection
Cut protection

PAGE 54 Thermal protection

PAGE 56 Food expert range

PAGE 64 Critical environment protection

Step 2: Define the type of glove

Define the type of gloves that best meets your needs in terms of:
- **usage** (performance, comfort, environment, wearing time),
- **the environment and the risks involved.**

Step 3: Select the most appropriate reference

Select the most appropriate product to meet your needs with the help of the main technical characteristics table.

MATERIAL PVC		MATERIAL NATURAL LATEX		MATERIAL LATEX MIX			
frequent CONTACT		splashes					
continuous WEAR		short WEAR		intermittent WEAR			
TELSOL	TELSOL	VITAL	VITAL	VITAL	VITAL	VITAL	
369	351	175	520	165	115	180	
Good mechanical protection against low chemical hazards	Comfort, flexibility and mechanical protection for low chemical hazards	Dexterity and flexibility for light aggressive environments	Dexterity and flexibility in light aggressive environments	Light glove, supple and flexible	Precision dexterity in non-aggressive environments	Dexterity and better resistance to oils and greases	

How to read the pictograms?

ELECTRONICS
Precision assembly of components
Circuit testing and inspection
Handling sensitive devices

STEEL INDUSTRY
Metal cutting and shaping
Heavy machinery operations
Maintenance of steel structures

CHEMICAL INDUSTRY
Handling solvents and reagents
Mixing chemical substances
Maintenance of chemical equipment

TRANSPORTATION
Loading and unloading goods
Rail, road, and air freight operations
Maritime cargo handling

PUBLIC ADMINISTRATION
Laboratory and technical services
Public sector maintenance jobs
Healthcare and research support

PHARMACEUTICALS
Medical manufacturing
Laboratory research
Hospitals and clinics

MAINTENANCE AND HYGIENE
Use of cleaning chemicals
Industrial sanitation tasks
General facility maintenance

FOOD INDUSTRY
Food processing and packaging
Handling raw and cooked products
Quality control and hygiene tasks

MINING AND OIL INDUSTRY
Extraction and drilling operations
Handling heavy equipment
Maintenance of pipelines and rigs

CONSTRUCTION
Handling construction materials
Masonry and carpentry tasks
Finishing and glazing

WASTE MANAGEMENT
Sorting and recycling waste
Collection and disposal of refuse
Maintenance of waste treatment facilities

LOGISTICS
Warehouse handling and storage
Order picking and preparation
Packaging and distribution

ENERGY
Wind turbine maintenance
Nuclear and petrochemical work
Power plant operations

AUTOMOTIVE INDUSTRY
Assembly line operations
Vehicle component manufacturing
Maintenance and repair work

GLASS INDUSTRY
Glass cutting and shaping
Finishing and glazing processes
Handling sharp materials

HOME APPLIANCES
Assembly of electronic components
Quality inspection and testing
Handling of delicate materials

MARITIME
Cultivation of fishing products

AGRICULTURE
Handling of diluted and concentrated pesticides

PACKAGING INFORMATION

Pair/ Bag — Gloves/ Box — Pairs/ Masterbag — Pairs/ Carton

UNDERSTANDING THE SPECIFIC FEATURES OF A GLOVE FOR AN INFORMED CHOICE

Different cuff edging depending on your use

Safety cuff
Wrist protection, quick glove removal and good ventilation of the hand. Perfect for jobs with a risk of entanglement.

Knitted cuff
Provides a good fit for the hand and protects the wrist

Straight cuff
Improved hand ventilation

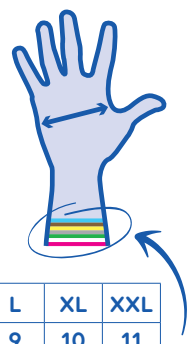
Rolled cuff
Reduces the risk of tearing when doffing gloves

Scalloped cut
Longer service life for the glove

Shapes, sizes and thicknesses

Glove length
They must be chosen in accordance with the risks associated with the handling circumstances, to give more or less protection to the forearm. They generally vary between 22 and 60 cm.

Glove thickness
This influences the user's dexterity and the performance of the glove. Varies between 0.1 and 2.5 mm.



Glove size
This depends on the circumference of the user's palm, and varies from size 5 to 11.
This affects usage comfort.

Size	XXS	XS	S	M	L	XL	XXL
	5	6	7	8	9	10	11
Wrist band color							

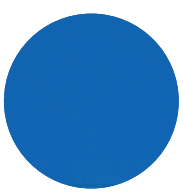
For most of our mechanical gloves, each color on the glove wrist band corresponds to a glove size.

Anatomical or ambidextrous gloves

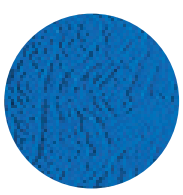
Anatomical gloves
A glove is called anatomical when there is one shape for the left hand and another for the right.

Ambidextrous gloves
Ambidextrous gloves can be worn equally well on either hand; this is mainly the case for thinner gloves.

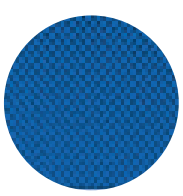
Various external finishes to suit your needs



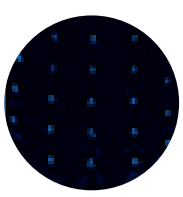
Smooth
No marking of objects being handled



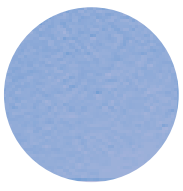
Reinforced grip
Excellent grip in wet environment



Non-slip embossed
Excellent grip in oily environments



Dot embossing
Improved thermal insulation



Pebbled
Good grip and minimal glove fouling

Optimal grip
Embedded grip for secure handling in dry and greasy environments

The different textile types

Cotton
Comfort, thermal insulation and sweat absorption.

Polyamide
Optimised dexterity (thin, seamless).

Para-aramid
Cut and heat resistance.

High density polyethylene
Cut-resistance and optimised dexterity.

The different types of internal finish

Powdered
Makes it easier to don and doff gloves, without having to increase the thickness of the glove.

Chlorinated/Easy donning treatment
Makes it easier to don and doff gloves without increasing the thickness and without using powder.
Reduces the allergy risk of natural latex gloves.

Flocked
Cotton-based textile fibres, covering the inside of the gloves.
Fleeced feel comparable with that of a fine carpet.
Good sweat absorption.

Textile support
Knitted interior, made from cotton or synthetic materials for increased comfort or specific performance.

MAPA has developed an exclusive technology for manufacturing a glove with textile support. This improves comfort for the user.

Use the «Ultracomfort» pictogram to locate this technology.

UNDERSTANDING OUR TECHNOLOGIES

MAPA TECHNOLOGIES

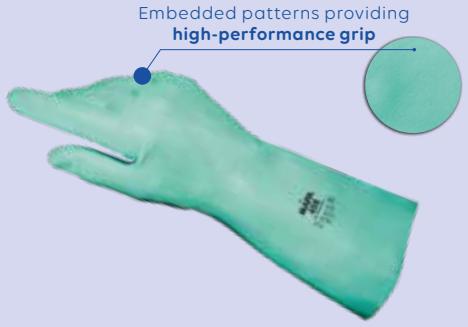
ADVANCED GRIP TECHNOLOGY — Embedded optimal grip to safely handle tasks in dry & greasy environments

GRIP & PROOF TECHNOLOGY — Excellent grip in oily environments combined with liquid-proof protection in palm area

RESICOMFORT TECHNOLOGY — Comfort and allows hand to breathe without compromising durability

ADVANCED GRIP TECHNOLOGY

Our ADVANCED GRIP technology offers an embedded optimal grip to safely handle tasks in dry & greasy environments



GRIP
Embedded patterns to:
- Reduce hand fatigue: less effort when gripping objects in dry & greasy environments
- Enhance safety: secure grip that helps reduce the risk of injuries caused by slipping or dropping objects

RESISTANCE
- Chemical protection against a wide range of chemicals such as alcohols, hydrocarbons, oils & greases
- Contact heat resistance due to the high quality cotton-knit liner

COMFORT
- Supple gloves providing ease of movement
- Good fingertips sensitivity

Thanks to our expertise and reliable use testing, MAPA PROFESSIONAL has designed two ideal gloves with secure grip & chemical protection using ADVANCED GRIP technology, for safe work in **dry** & **greasy** environments. This technology is used in our ULTRANITRIL 358 & 458.

ULTRANITRIL 358

Automotive assembly

ULTRANITRIL 458

Chemical blending

GRIP & PROOF TECHNOLOGY

Our GRIP&PROOF coating technology offers the following benefits for use in oily and dirty environments

GRIP
- Excellent grip when handling oily parts with or without cut risks
- Prevents the risk of dropping objects
- Reduction in muscle fatigue and risk of RSI (Repetitive Strain Injury)
- Improves productivity

RESISTANCE
- The durable coating allows long-lasting use
- Glove stays clean and effective for longer due to its liquid resistance
- Optimised costs

SKIN PROTECTION
- Impermeable at strategic points
- Protects from irritant oils
- Reduces the wearer's risk of eczema and dermatitis

Thanks to our expertise and reliable use testing, MAPA PROFESSIONAL has designed a range of gloves with or without cut protection, with GRIP&PROOF technology for **oily** or **greasy** environments. This technology is used in our **ULTRANE** and **KRYTECH** ranges.

KRYTECH 574

Aeronautic maintenance

RESICOMFORT TECHNOLOGY

Our RESICOMFORT coating technology offers the following benefits for precise handling operations in dry environments

COMFORT AND BREATHABILITY
- Excellent dexterity at fingertips
- Second skin effect
- Suppleness and flexibility
- Breathability: Greater circulation of air protects against sweat

DURABILITY
- Extended use guaranteed by our exclusive process
- Resistance to friction thanks to a highly resistant coating
- Optimised costs

SKIN PROTECTION
- DMF free
- Free from harmful substances
- OEKO-TEX® Standard 100

Thanks to our expertise and reliable use testing, MAPA PROFESSIONAL has designed a range of gloves with or without cutting protection, with RESICOMFORT technology for **dry** environments. This technology is used in our **ULTRANE** and **KRYTECH** ranges.

ULTRANE 527

Mechanical maintenance

NEW PRODUCTS

Products especially designed to meet chemical, mechanical and cut protection needs

CHEMICAL PROTECTION

ULTRANITRIL 358

CHEMICAL PROTECTION TYPE A

ADVANCED GRIP TECHNOLOGY

Designed with an embedded optimal grip to safely handle tasks in dry & greasy environments

See pages 25, 63

CHEMICAL PROTECTION

ULTRANITRIL 458

CHEMICAL PROTECTION TYPE A

ADVANCED GRIP TECHNOLOGY

Interior flocked. Designed with an embedded optimal grip to safely handle tasks in dry & greasy environments

See page 23

CHEMICAL PROTECTION

SOLO 980

CHEMICAL PROTECTION TYPE B

Excellent mechanical resistance with very good chemical protection, ideal for various environments

See pages 33, 59

CHEMICAL PROTECTION

SOLO 919

CHEMICAL PROTECTION TYPE B

Excellent mechanical resistance, ideal in oily environments

See pages 33, 59

CUT PROTECTION

KRYTECH 574

Cut protection

OEKO TEX® STANDARD 100 CQ1972 IFTH

Moderate cut protection with graphene for enhanced safety, dexterity and comfort, with Grip & Proof technology

See page 49

NEW GENERATION OF GLOVES: KRYTECH RANGE WITH RECYCLED FIBRES*

Introducing our Krytech gloves manufactured with **recycled fibres* (PET) in the liner**, while offering the same level of performance and the well-known Mapa Professional quality.

KRYTECH 580 KRYTECH 599 KRYTECH 600 KRYTECH 610 KRYTECH 615

RECYCLED FIBRES

Recycled fibres

Cut protection

OEKO TEX® STANDARD 100 CQ1979/3 IFTH

*See pages 45, 47, 49

*The percentage of recycled fibres vs total weight of the glove varies depending on the product. Please refer to each product for the exact percentage pages 45, 47, 49.

EXAMPLES OF APPLICATION

ULTRANITRIL 358

Chemical product blending

KRYTECH 574

Tactile device using

SOLO 980

Cleaning tasks

KRYTECH 615

Maintenance with cut risk

Any question ?
Contact us on mapa-pro.com

Notes

CHEMICAL PROTECTION

Chemical hazards are not limited to the chemical industry - they are present in **many sectors** like manufacturing, agriculture, healthcare, cleaning, construction, mining, pharmaceuticals and automotive. In these environments, **workers are frequently exposed to substances** that can be more or less aggressive, including **oils, acids, solvents** and other **hazardous chemicals.**

To address these varied risks, Mapa Professional **provides a wide range of protective gloves made from various polymers** - including latex, nitrile, polychloroprene, butyl and fluoroelastomer - each **providing specific protection** based on the end user's needs.

Discover our new chemical glove selection tool
To find the optimal protective glove according to your chemical risk, conditions of use and specific needs.

MAPA SAFE CHEM

Try me

THE MAPA GUIDE: 2 PERFORMANCE INDICATORS

To characterise the performance of the elastomers and plastics used to manufacture safety gloves, tests are carried out to determine the behaviour of these materials when confronted with the various families of chemical products.

Mapa Professional takes these different parameters into account to determine the relative performance of the different families of gloves and hence help you make the best possible choice.

1. PERMEATION TIME

The permeation time for a given chemical product, *i.e.* the time taken for the chemical to penetrate the glove, at a molecular level; in some cases, there is no visible deterioration of the glove.

2. DEGRADATION INDEX

The degradation index of the glove in contact with a given chemical product, *i.e.* the degree of deterioration of the glove shown by an alteration of its physical properties (*e.g.* softening, hardening, etc.).

SELECT THE MOST APPROPRIATE CHEMICAL GLOVE FOR YOUR NEEDS USING THE THREE STAGES BELOW:

1 Identify which family of chemical products the substance you are handling belongs to ▼

2 Determine the most appropriate protective material for your specific application. ▼

3 Choose your gloves according to the level of protection you require. next pages ▶

YOU ARE HANDLING	CAS	EN 374	PVC	NATURAL LATEX	NITRILE	POLY-CHLOROPRENE	BUTYL	FLUORO-ELASTOMER
			Common polymers*				Specific polymers**	
ALCOHOLS (methanol 100%)	67-56-1	A		•	•	••	•••	••
KETONES (acetone 100%)	67-64-1	B		•		•	•••	
NITRILES (acetonitrile methyl cyanide 99%)	75-05-8	C				•	•••	•
CHLORINATED SOLVENTS (methylene chloride/dichloromethane 99%)	75-09-2	D						•
SULPHUR-BASED CHEMICALS (carbon disulphide 100%)	75-15-0	E			•			•••
AROMATIC SOLVENTS (toluene 100%)	108-88-3	F			•			•••
AMINES (diethylamine 98%)	109-89-7	G			•			••
ETHERS (tetrahydrofuran (THF) 100%)	109-99-9	H			•	•	•	•
ESTERS (ethyl acetate 99%)	141-78-6	I			•	•	•••	
ALIPHATIC SOLVENTS (heptane 99%)	142-82-5	J	•		•••	••		•••
ALKALIS (sodium hydroxide (soda) 40%)	1310-73-2	K	•••	•••	•••	•••	•••	•••
INORGANIC ACIDS (sulphuric acid 96%)	7664-93-9	L	•	•		••	•••	•••
OXIDISING ACIDS (nitric acid 65%)	7697-37-2	M	•	•••		•••	•••	•••
ORGANIC ACIDS (acetic acid 99%)	64-19-7	N	•	•		•••	•••	••
ORGANIC BASES (ammonia 25%)	1336-21-6	O	•	•	••		•••	••
PEROXIDES (hydrogen peroxide 30%)	7722-84-1	P	•••	•••	•••	•••	•••	•••
HYDROFLUORIC ACIDS (hydrogen fluoride 40%)	7664-39-3	S		•••		•••	•••	••
ALDEHYDES (formaldehyde 37%)	50-00-0	T	•••	•••	•••	•••	•••	•••
ADVANTAGES			Value for money Mechanical strength	Excellent flexibility Good puncture and tearing resistance Suitable for cold environments	Good puncture and abrasion resistance No risk of protein-related allergies	Good flexibility Good thermal resistance	Excellent chemical resistance Flexible and elastic	High chemical resistance
RESTRICTIONS			Not suitable for handling hot parts	Risk of allergies caused by the proteins in the natural latex	Not recommended for cold environments	Poor mechanical properties	Poor mechanical properties	

RECOMMENDATION BY MAPA PROFESSIONAL • Light protection •• Strong protection ••• Optimal protection

* The most frequently used materials for manufacturing chemical protection gloves.
** Protection targeted against certain aggressive chemical product families, these are more stringent than for standard materials.

CHEMICAL PROTECTION
REUSABLE: TELSOL - VITAL RANGE

HOW CAN YOU REFINE YOUR CHOICE?

1 RISK

Combination between contact time and the aggressiveness of the chemical being handled. **Choose the performance of your gloves based on the type of risk:**

- **splashes**
  Chemical substances diluted by immersion or splashes of aggressive substances
- **frequent** contact
  Pure or mixed chemical substances in frequent contact
- **prolonged** contact (or immersion)
  Pure or mixed chemical substances in frequent contact

2 WEAR TIME

Identifies the comfort level required by the operator. **The longer the wear time, the more comfortable the glove needs to be** (perspiration, flexibility/fatigue).

- **short** wear
  Chlorinated interior finish
- **intermittent** wear
  Flocked interior finish
- **continuous** wear
  Fabric-lined interior finish
- **ultra-comfort** wear
  MAPA exclusive technology providing greater flexibility

FSC
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FSC™ N004702
The mark of responsible forestry

NEW:
Discover our range of FSC™ certified latex gloves

	MATERIAL PVC	MATERIAL NATURAL LATEX			MATERIAL LATEX MIX
	frequent CONTACT	splashes			
	continuous WEAR	short WEAR		intermittent WEAR	
	TELSOL 369	**TELSOL 351**	**VITAL 175**	**VITAL 520**	**VITAL 165**
			 * FSC™ certified for 175 only		
	Good mechanical protection against low chemical hazards	Comfort, flexibility and mechanical protection for low chemical hazards	Dexterity and flexibility for light aggressive environments	Dexterity and flexibility in light aggressive environments	Light glove, supple and flexible
Internal finish	**Textile support**	**Textile support**	**Chlorinated**	**Powdered**	**Flocked**
External finish	**Pebbled**	**Pebbled**	**Non-slip embossed**	**520: Smooth 540: Non-slip embossed**	**Non-slip embossed**
Size	**9 10**	**8 9 10**	**6 7 8 9 10**	**520: 6 7 8 9 540: 8 9 10**	**7 8 9 10**
Length	**35 cm**	**30 cm**	**31 cm**	**520: 33 cm 540: 31 cm**	**30 cm**
Thickness	**1.20 mm**	**1.35 mm**	**0.40 mm**	**0.40 mm**	**0.29 mm**
			175 177 See food compatibility chart, p. 56		See food compatibility chart, p. 56
	CAT 3	CAT 3	CAT 3	CAT 3	CAT 1
	EN 388 3131X EN ISO 374-1 TYPE B KPT	EN 388 4121X EN ISO 374-5 EN ISO 374-1 TYPE A KLMNPT	EN 388 0010X EN 421:2010 EN ISO 374-1 TYPE B KPT EN ISO 374-5 VIRUS* (*VITAL 175)	EN 388 0010X EN ISO 374-5 EN 421:2010 EN ISO 374-1 TYPE B KMP (VITAL 520) KPT (VITAL 540)	
	x5 x50	x12 x72	x1 x10 x100		

	MATERIAL LATEX MIX	
	VITAL 115	**VITAL 180**
		
	Precision dexterity in non-aggressive environments	Dexterity and better resistance to oils and greases
Internal finish	**Flocked**	**Flocked**
External finish	**Non-slip embossed**	**Non-slip embossed**
Size	**115: 6 7 8 9 117/124: 6 7 8 9 10**	**6 7 8 9 10**
Length	**30.5 cm**	**30 cm**
Thickness	**0.35 mm**	**0.40 mm**
	CAT 3	CAT 3
	EN 421:2010 EN ISO 374-5 VIRUS EN ISO 374-1 TYPE B KPT EN 388 0010X	EN 388 1110X EN ISO 374-5 EN ISO 374-1 TYPE B KPT

CHEMICAL PROTECTION
REUSABLE: ALTO - JERSETTE RANGE

HOW CAN YOU REFINE YOUR CHOICE?

1 RISK

Combination between contact time and the aggressiveness of the chemical being handled. **Choose the performance of your gloves based on the type of risk:**

- **splashes**
  Chemical substances diluted by immersion or splashes of aggressive substances
- **frequent** contact
  Pure or mixed chemical substances in frequent contact
- **prolonged** contact (or immersion)

2 WEAR TIME

Identifies the comfort level required by the operator. **The longer the wear time, the more comfortable the glove needs to be** (perspiration, flexibility/fatigue).

- **short** wear
  Chlorinated interior finish
- **intermittent** wear
  Flocked interior finish
- **continuous** wear
  Fabric-lined interior finish
- **ultra-comfort** wear
  MAPA exclusive technology providing greater flexibility

The mark of responsible forestry

NEW:
Discover our range of FSC™ certified latex gloves

MATERIAL LATEX MIX	MATERIAL NATURAL LATEX
frequent CONTACT	
intermittent WEAR	continuous WEAR

ALTO 405

Precision dexterity in aggressive environments

Internal finish
Flocked

External finish
Non-slip embossed

Size
6 7 8 9 10

Length
33 cm

Thickness
0.70 mm

CAT 3

EN 388: **2110X**
EN ISO 374-1 TYPE B: **KMT**
EN ISO 374-5: **VIRUS**
EN 421:2010

x1 x10 x100

ALTO 415

Fine touch for light chemical protection

Internal finish
Flocked

External finish
Non-slip embossed

Size
6 7 8 9 10 11

Length
32 cm

Thickness
0.60 mm

CAT 3

EN 388: **1011X**
EN ISO 374-1 TYPE B: **KMT**
EN ISO 374-5
EN 421:2010

x1 x10 x100

ALTO 258

Strong protection against aggressive detergents

Internal finish
Flocked

External finish
Non-slip embossed

Size
6 7 8 9 10

Length
32 cm

Thickness
0.60 mm

CAT 3

EN 388: **1X10X**
EN ISO 374-1 TYPE B: **KPS**
EN ISO 374-5
EN 421:2010

x1 x10 x100

JERSETTE 300

*FSC™ certified for 300 & 301 only

Maximum comfort for long-term work in aggressive environments

Internal finish
Textile support

External finish
300/308: Smooth
301: Pebbled

Size
300/301: 5 6 7 8 9 10
308: 6 7 8 9 10

Length **30-32 cm**

Thickness **1.15 mm**

Only for 308, see food compatibility chart, p. 56

CAT 3

EN 388: **2131X**
EN ISO 374-1 TYPE B: **KPT**
EN 407: **X1XXXX**

x1 x5 x50

CHEMICAL PROTECTION
REUSABLE: HARPON - ALTO RANGE

HOW CAN YOU REFINE YOUR CHOICE?

1 RISK

Combination between contact time and the aggressiveness of the chemical being handled.
Choose the performance of your gloves based on the type of risk:

- **splashes**
  Chemical substances diluted by immersion or splashes of aggressive substances
- **frequent** contact
  Pure or mixed chemical substances in frequent contact
- **prolonged** contact (or immersion)
  Pure or mixed chemical substances in frequent contact

2 WEAR TIME

Identifies the comfort level required by the operator.
The longer the wear time, the more comfortable the glove needs to be (perspiration, flexibility/fatigue).

- **short** wear
  Chlorinated interior finish
- **intermittent** wear
  Flocked interior finish
- **continuous** wear
  Fabric-lined interior finish
- **ultra-comfort** wear
  MAPA exclusive technology providing greater flexibility

MATERIAL
NATURAL LATEX

frequent CONTACT	prolonged CONTACT			
continuous WEAR	short WEAR		intermittent WEAR	
HARPON 321	**ALTO 298**	**ALTO 285**	**ALTO 260**	**ALTO 299**
				
Comfort and safety when gripping heavy, rough or slippery objects in highly-aggressive settings	**Good mechanical performance for long-lasting chemical protection**	**Good mechanical performance for long-lasting chemical protection**	**A good choice when dexterity and chemical protection is needed for extended wear**	**Good mechanical performance for long-lasting chemical protection**
Internal finish **Textile support** External finish **Reinforced grip** Size **321: 6 7 8 9 10** **325: 8 9 10** Length **321: 32 cm** **325: 37 cm** Thickness **1.35 mm**	Internal finish **Chlorinated** External finish **Smooth** Size **8 9 10** Length **43 cm** Thickness **1.05 mm**	Internal finish **Chlorinated** External finish **Reinforced grip** Size **8 9 10** Length **60 cm** Thickness **1 mm**	Internal finish **Flocked** External finish **Non-slip embossed** Size **7 8 9 10 11** Length **32 cm** Thickness **0.80 mm**	Internal finish **Flocked** External finish **Non-slip embossed** Size **7 8 9 10** Length **31 cm** Thickness **0.90 mm**
CAT 3	CAT 3	CAT 3	CAT 3	CAT 3
EN 388 3141X EN ISO 374-1 TYPE B KPT EN 407 X2XXXX	EN 388 2131X EN ISO 374-1 TYPE A AKLMPT EN ISO 374-5	EN 388 2131X EN ISO 374-1 TYPE A ABKMPT EN ISO 374-5	EN 388 2120X EN ISO 374-1 TYPE A AKLMPT EN ISO 374-5	EN 388 3121X EN ISO 374-1 TYPE A AKLMPT EN ISO 374-5
x1 x5 x50	x1 x5 x50	x1 x30	x1 x10 x50	x1 x5 x50

CHEMICAL PROTECTION
REUSABLE: ULTRANITRIL RANGE

HOW CAN YOU REFINE YOUR CHOICE?

1 RISK

Combination between contact time and the aggressiveness of the chemical being handled.
Choose the performance of your gloves based on the type of risk:

- **splashes**
  Chemical substances diluted by immersion or splashes of aggressive substances
- **frequent** contact
  Pure or mixed chemical substances in frequent contact
- **prolonged** contact (or immersion)
  Pure or mixed chemical substances in frequent contact

2 WEAR TIME

Identifies the comfort level required by the operator.
The longer the wear time, the more comfortable the glove needs to be (perspiration, flexibility/fatigue).

- **short** wear
  Chlorinated interior finish
- **intermittent** wear
  Flocked interior finish
- **continuous** wear
  Fabric-lined interior finish
- **ultra-comfort** wear
  MAPA exclusive technology providing greater flexibility

MATERIAL PVC / NITRILE	MATERIAL NITRILE							
frequent CONTACT	splashes	frequent CONTACT						
ultra-comfort WEAR	short WEAR	intermittent WEAR						
ULTRANITRIL 410	**ULTRANITRIL 472**	**ULTRANITRIL 454**	**ULTRANITRIL 475**	**ULTRANITRIL 485***	**ULTRANITRIL 495**	**ULTRANITRIL 492***	**ULTRANITRIL 458***
		 Hypoallergenic				 ULTRANITRIL 491*	ADVANCED GRIP TECHNOLOGY 
Cut and chemical protection, offering excellent durability and optimal grip	Fingertip precision for light chemical protection and food handling	Precision dexterity in mildly aggressive environments, for those sensitive to natural latex	Good sensitivity for standard chemical protection	Good sensitivity for standard chemical protection	Good mechanical resistance and long-lasting chemical protection	Good mechanical resistance and long-lasting chemical protection	Excellent mechanical resistance and optimal grip for secure handling in dry or greasy environments
Internal finish **High-visibility yellow seamless knitted textile support in composite fibres** External finish **Reinforced grip** Size **7 8 9 10 11** Length **35 cm** Thickness **1.70 mm**	Internal finish **Easy donning treatment** External finish **Pebbled** Size **6 7 8 9 10** Length **31 cm** Thickness **0.20 mm** See food compatibility chart, p. 56	Internal finish **Flocked** External finish **Non-slip embossed** Size **6 7 8 9 10** Length **31 cm** Thickness **0.35 mm**	Internal finish **Flocked** External finish **Non-slip embossed** Size **6 7 8 9 10** Length **31 cm** Thickness **0.34 mm** See food compatibility chart, p. 56	Internal finish **Flocked** External finish **Non-slip embossed** Size **7 8 9 10** Length **31 cm** Thickness **0.34 mm**	Internal finish **Flocked** External finish **Non-slip embossed** Size **5 6 7 8 9 10** Length **32 cm** Thickness **0.38 mm** See food compatibility chart, p. 56	Internal finish **Flocked** External finish **Non-slip embossed** Size **492: 6 7 8 9 10 11** **491: 6 7 8 9 10** Length **492: 32 cm** **491: 37 cm** Thickness **0.38 mm**	Internal finish **Flocked** External finish **Optimal grip** Size **6 7 8 9 10 11** Length **32 cm** Thickness **0.50 mm**
CAT 3	CAT 3	CAT 3	CAT 3	CAT 3	CAT 3	CAT 3	CAT 3
EN 388 4X31C EN ISO 374-1 TYPE A KLMNPT EN 407 X1XXXX ISO 13997: 14N	EN 388 2101X EN ISO 374-1 TYPE B JOT EN ISO 374-5 VIRUS EN 421:2010	EN 388 2000X EN ISO 374-1 TYPE B KPT EN ISO 374-5	EN 388 3001X EN ISO 374-1 TYPE B JOT EN ISO 374-5	EN 388 3101X EN ISO 374-1 TYPE B JKOPT EN ISO 374-5 VIRUS ISO 18889 G2	EN 388 3101X EN ISO 374-1 TYPE A AJKOPT EN ISO 374-5	EN 388 3101X EN ISO 374-1 TYPE A AJKOPT EN ISO 374-5 VIRUS ISO 18889 G2	EN 388 4X01X EN ISO 374-1 TYPE A AJKOPT EN ISO 374-5 VIRUS ISO 18889 G2 EN 421:2010
x12 x48	x10 x100	x10 x50	x12 x72	x12 x72	491: x10 x50 492/495/458: x1 x10 x100 492 also available without individual packaging		

CHEMICAL PROTECTION
REUSABLE: ULTRANITRIL RANGE

HOW CAN YOU REFINE YOUR CHOICE?

1 RISK

Combination between contact time and the aggressiveness of the chemical being handled.
Choose the performance of your gloves based on the type of risk:

- **splashes**
  Chemical substances diluted by immersion or splashes of aggressive substances
- **frequent** contact
  Pure or mixed chemical substances in frequent contact
- **prolonged** contact (or immersion)
  Pure or mixed chemical substances in frequent contact

2 WEAR TIME

Identifies the comfort level required by the operator.
The longer the wear time, the more comfortable the glove needs to be (perspiration, flexibility/fatigue).

- **short** wear
  Chlorinated interior finish
- **intermittent** wear
  Flocked interior finish
- **continuous** wear
  Fabric-lined interior finish
- **ultra-comfort** wear
  MAPA exclusive technology providing greater flexibility

MATERIAL
NITRILE

frequent CONTACT		prolonged CONTACT		
ultra-comfort WEAR		short WEAR	intermittent WEAR	continuous WEAR
ULTRANITRIL 381	**ULTRANITRIL 358** ADVANCED GRIP TECHNOLOGY	**ULTRANITRIL 480** Long sleeve	**ULTRANITRIL 493***	**ULTRANITRIL 377**
				
Maximum comfort for standard chemical protection	**Designed with an embedded optimal grip to safely handle tasks in dry & greasy environments**	**Ultra-long chemical protection**	**Ultra-long chemical protection**	**Comfort and reinforced mechanical resistance for long-lasting chemical protection**
Internal finish **Textile support**	Internal finish **Textile support**	Internal finish **Chlorinated**	Internal finish **Flocked**	Internal finish **Textile support**
External finish **Non-slip embossed**	External finish **Optimal grip**	External finish **Non-slip embossed**	External finish **Non-slip embossed**	External finish **Smooth**
Size **7 8 9 10 11**	Size **6 7 8 9 10 11**	Size **7 8 9 10 11**	Size **8 9 10 11**	Size **8 9 10**
Length **36 cm**	Length **36 cm**	Length **46 cm**	Length **39 cm**	Length **38 cm**
Thickness **0.95 mm**	Thickness **1.10 mm**	Thickness **0.55 mm**	Thickness **0.55 mm**	Thickness **1.35 mm**
	See food compatibility chart, p. 56	See food compatibility chart, p. 56		
CAT 3	CAT 3	CAT 3	CAT 3	CAT 3
EN 388 3111A; EN ISO 374-1 TYPE A AJKLOPT; EN 407 X1XXXX; EN ISO 374-5; ISO 18889 G2	EN 388 3111A; EN 407 X1XXXX; EN ISO 374 TYPE A AJKOPT; EN ISO 374-5; ISO 18889 G2	EN 388 4102X; EN ISO 374-1 TYPE A AJKOPT; EN ISO 374-5; ISO 18889 G2	EN 388 4102X; EN ISO 374-1 TYPE A AJKOPT; EN ISO 374-5; ISO 18889 G2	EN 388 4122X; EN ISO 374-1 TYPE A AJKOPT; EN 407 X1XXXX
x12 x72		x1 x12	x1 x12 x48	x5 x50

CHEMICAL PROTECTION
REUSABLE: ULTRANEO RANGE

HOW CAN YOU REFINE YOUR CHOICE?

1 RISK

Combination between contact time and the aggressiveness of the chemical being handled.
Choose the performance of your gloves based on the type of risk:

- **splashes**
  Chemical substances diluted by immersion or splashes of aggressive substances
- **frequent** contact
  Pure or mixed chemical substances in frequent contact
- **prolonged** contact (or immersion)
  Pure or mixed chemical substances in frequent contact

2 WEAR TIME

Identifies the comfort level required by the operator.
The longer the wear time, the more comfortable the glove needs to be (perspiration, flexibility/fatigue).

- **short** wear
  Chlorinated interior finish
- **intermittent** wear
  Flocked interior finish
- **continuous** wear
  Fabric-lined interior finish
- **ultra-comfort** wear
  MAPA exclusive technology providing greater flexibility

MATERIAL

POLYCHLOROPRENE (NEOPRENE)

splashes		frequent CONTACT			prolonged CONTACT		
intermittent WEAR	continuous WEAR	intermittent WEAR	continuous WEAR	ultra-comfort WEAR	short WEAR		continuous WEAR
ULTRANEO 401	**ULTRANEO 340**	**ULTRANEO 420**	**ULTRANEO 341**	**ULTRANEO 382**	**ULTRANEO 407**	**ULTRANEO 414**	**ULTRANEO 339**
							
Tactile sensitivity for light chemical protection	**Comfort with light chemical protection**	**Suppleness and freedom of movement for standard chemical protection**	**Comfort with standard chemical protection**	**Maximum comfort for standard chemical protection**	**Ultra-high performance chemical protection**	**Ultra-high performance chemical protection**	**Comfort and high chemical protection**
Internal finish **Flocked**	Internal finish **Textile support**	Internal finish **Flocked**	Internal finish **Textile support**	Internal finish **Textile support**	Internal finish **Chlorinated**	Internal finish **Chlorinated**	Internal finish **Textile support**
External finish **Non-slip embossed**	External finish **Smooth**	External finish **Non-slip embossed**	External finish **Smooth**	External finish **Non-slip embossed**	External finish **Non-slip embossed**	External finish **Non-slip embossed**	External finish **Pebbled**
Size **7 8 9 10**	Size **7 8 9 10**	Size **420: 6 7 8 9 10** **450: 7 8 9 10**	Size **8 9 10 11**	Size **6 7 8 9 10**	Size **9 10**	Size **9 10**	Size **9 10**
Length **31-32 cm**	Length **38 cm**	Length **420: 31-32 cm** **450: 41 cm**	Length **38 cm**	Length **36 cm**	Length **35 cm**	Length **46 cm**	Length **36 cm**
Thickness **0.55 mm**	Thickness **1.33 mm**	Thickness **0.75 mm**	Thickness **1.45 mm**	Thickness **0.95 mm**	Thickness **0.75 mm**	Thickness **0.75 mm**	Thickness **1.60 mm**
CAT 3	CAT 3	CAT 3	CAT 3	CAT 3	CAT 3	CAT 3	CAT 3
EN 388 **2110X**	EN 388 **2121X**	EN 388 **2121X**	EN 388 **2121X**	EN 388 **2121X**	EN 388 **2101X**	EN 388 **2101X**	EN 388 **3121X**
EN ISO 374-1 TYPE A **ALMNST**	EN ISO 374-1 TYPE A **CLMNST**	EN ISO 374-1 TYPE A **ALMNST**	EN ISO 374-1 TYPE A **ACLMNS**	EN ISO 374-1 TYPE A **ALMNST**	EN ISO 374-1 TYPE A **ABCJLMNS**	EN ISO 374-1 TYPE A **ACJLMNS**	EN ISO 374-1 TYPE A **ABCJLMNS**
EN ISO 374-5	EN 407 **X1XXXX**	EN ISO 374-5	EN 407 **X1XXXX**	EN 407 **X1XXXX**	EN ISO 374-5	EN ISO 374-5	EN 407 **X1XXXX**
	EN ISO 374-5		EN ISO 374-5	EN ISO 374-5			
x12 x72	x5 x50	x12 x72	x5 x50	x12 x72	x1 x6 x48	x1 x12	x1 x6

CHEMICAL PROTECTION
REUSABLE:
BUTOFLEX - FLUOTECH RANGE

HOW CAN YOU REFINE YOUR CHOICE?

1 RISK

Combination between contact time and the aggressiveness of the chemical being handled.
Choose the performance of your gloves based on the type of risk:

- **splashes**
  Chemical substances diluted by immersion or splashes of aggressive substances
- **frequent** contact
  Pure or mixed chemical substances in frequent contact
- **prolonged** contact (or immersion)
  Pure or mixed chemical substances in frequent contact

2 WEAR TIME

Identifies the comfort level required by the operator.
The longer the wear time, the more comfortable the glove needs to be (perspiration, flexibility/fatigue).

- **short** wear
  Chlorinated interior finish
- **intermittent** wear
  Flocked interior finish
- **continuous** wear
  Fabric-lined interior finish
- **ultra-comfort** wear
  MAPA exclusive technology providing greater flexibility

MATERIAL BUTYL			MATERIAL FLUOROELASTOMER	
short WEAR	short WEAR	ultra-comfort WEAR	short WEAR	continuous WEAR
BUTOFLEX 651	**BUTOFLEX 652**	**BUTOFLEX 650**	**FLUOTECH 468**	**FLUOTECH 344**
				
Ultimate specific chemical resistance	**Ultimate specific chemical resistance**	**Ultimate specific chemical resistance**	**Tactile sensitivity with wear indicator**	**Comfort and flexibility for extended wear**
Internal finish **Powder free**	Internal finish **Smooth**	Internal finish **Textile support**	Internal finish **Chlorinated**	Internal finish **Textile support**
External finish **Non-slip embossed**	External finish **Pebbled**	External finish **Non-slip embossed**	External finish **Smooth**	External finish **Smooth**
Size **7 8 9 10**	Size **7 8 9 10**	Size **7 8 9 10 11**	Size **8 9 10**	Size **9 10**
Length **37 cm**	Length **35 cm**	Length **35 cm**	Length **30 cm**	Length **37 cm**
Thickness **0.50 mm**	Thickness **0.70 mm**	Thickness **1.45 mm**	Thickness **0.51 mm**	Thickness **1.60 mm**
CAT 3	CAT 3	CAT 3	CAT 3	CAT 3
EN 388 **0010X**	EN 388 **0010X**	EN 388 **1121X**	EN 388 **3102X**	EN 388 **3121X**
EN ISO 374-1 TYPE A **ABCILMNOS**	EN 374 TYPE A **ABCILMNOS**	EN ISO 374-1 TYPE A **ABCILMNOS**	EN ISO 374-1 TYPE A **ADEFGJLMNO**	EN ISO 374-1 TYPE A **ACDEFGJLMN**
EN ISO 374-5	EN 16350	EN ISO 374-5	EN ISO 374-5	EN 407 **X1XXXX**
EN 16350				EN ISO 374-5
x1 x6	x1 x6	x1 x6	x1 x1	x1 x1

CHEMICAL PROTECTION
DISPOSABLE: SOLO - TRILITES RANGE

Mapa Professional offers a variety of **disposable gloves** suitable for different work environments such as cleaning, industrial tasks, and handling chemicals or food. These gloves are made from **different polymers** to enhance **ergonomics,** providing **flexibility, resistance,** and **comfort**.

DISPOSABLE GLOVES

There are several advantages of disposable gloves:

- **Excellent dexterity** and **comfort** for **freedom** of **movement**
- Protection for both hands and the products being handled
- **Rolled cuff** to prevent tearing and keep the glove securely in place
- **Long cuff** for extra protection

4 ADDITIONAL CRITERIA TO REFINE YOUR CHOICE

1 POLYMERS

PVC
Mechanical strength and price.

LATEX
Flexibility and comfort.

NITRILE (next page)
Mechanical resistance and resistance to oils.

TRIPOLYMER
Flexibility, mechanical strength and chemical resistance to splashes.

2 COMFORT AND FLEXIBILITY

The various interior finishes (powdered/chlorinated) make it possible to adapt to the type of application and the specific requirements of the wearer.

POWDERED
Better sweat absorption.

CHLORINATED
Easy donning and no powder on hands.

EASY DONNING TREATMENT
Makes it easier to don and doff gloves, without increasing the thickness and without using powder.
Reduces the allergy risk of natural latex gloves.

3 COLOUR

The use of different colours is in response to the unique demands of certain sectors and it enables visual checks by allocating a specific colour to each application.

4 DIMENSIONS

Choosing the length and thickness of the glove makes it possible to factor in the limitations related to the workstation: dexterity, resistance and forearm protection.

POLYMER PVC / VINYL	POLYMER NATURAL LATEX		POLYMER TRIPOLYMER
COMFORT POWDER FREE	COMFORT CHLORINATED	COMFORT POWDERED	COMFORT CHLORINATED
SOLO 990	**SOLO 998**	**SOLO PLUS 995**	**SOLO 988**	**TRILITES 994**
				
The best value for precise movements	**Good protection with optimal flexibility and dexterity**	**Optimal flexibility and dexterity**	**Optimal flexibility and dexterity for light handling**	**Tripolymer formula for protection against chemical splashes and splatters**
External finish **Smooth**	External finish **Smooth with pebbled fingertips**	External finish **Smooth with pebbled fingertips**	External finish **Smooth**	External finish **Pebbled**
Size **6 7 8 9**	Size **6 7 8 9**	Size **6 7 8 9**	Size **6 7 8 9**	Size **6 7 8 9**
Length **24 cm**	Length **30 cm**	Length **24 cm**	Length **24 cm**	Length **994: 25 cm** **985: 29 cm**
Thickness **0.07 mm**	Thickness **0.20 mm**	Thickness **0.10 mm**	Thickness **0.08 mm**	Thickness **0.15 mm**
See food compatibility chart, p. 56		See food compatibility chart, p. 56	See food compatibility chart, p. 56	
CAT 3	CAT 3	CAT 3	CAT 3	CAT 3
EN ISO 374-1 TYPE C	EN ISO 374-1 TYPE C	EN ISO 374-1 TYPE C	EN ISO 374-1 TYPE C	EN ISO 374-1 TYPE B
EN ISO 374-5 VIRUS	EN ISO 374-5	EN ISO 374-5	EN ISO 374-5	EN ISO 374-5 KPT
x100 gloves x1000 gloves	x100 gloves x1000 gloves			

CHEMICAL PROTECTION
DISPOSABLE: SOLO RANGE

Mapa Professional offers a variety of **disposable gloves** suitable for different work environments such as cleaning, industrial tasks, and handling chemicals or food. These gloves are made from **different polymers** to enhance **ergonomics,** providing **flexibility, resistance,** and **comfort**.

DISPOSABLE GLOVES

There are several advantages of disposable gloves:

- **Excellent dexterity** and **comfort** for **freedom** of **movement**
- Protection for both hands and the products being handled
- **Rolled cuff** to prevent tearing and keep the glove securely in place
- **Long cuff** for extra protection

4 ADDITIONAL CRITERIA TO REFINE YOUR CHOICE

1 POLYMERS

PVC (previous page)
Mechanical strength and price.

LATEX (previous page)
Flexibility and comfort.

NITRILE
Mechanical resistance and resistance to oils.

TRIPOLYMER (previous page)
Flexibility, mechanical strength and chemical resistance to splashes.

2 COMFORT AND FLEXIBILITY

The various interior finishes (powdered/chlorinated) make it possible to adapt to the type of application and the specific requirements of the wearer.

POWDERED
Better sweat absorption.

CHLORINATED
Easy donning and no powder on hands.

EASY DONNING TREATMENT
Makes it easier to don and doff gloves, without increasing the thickness and without using powder.
Reduces the allergy risk of natural latex gloves.

3 COLOUR

The use of different colours is in response to the unique demands of certain sectors and it enables visual checks by allocating a specific colour to each application.

4 DIMENSIONS

Choosing the length and thickness of the glove makes it possible to factor in the limitations related to the workstation: dexterity, resistance and forearm protection.

POLYMER
NITRILE

COMFORT — POWDER FREE

SOLO 967

Excellent dexterity due to the flexibility and thinness of the material. Supplied in bags or boxes

Internal finish
Easy donning treatment

External finish
Smooth with pebbled fingertips

Size
6 7 8 9

Length
24 cm

Thickness
0.07 mm

See food compatibility chart, p. 56

CAT 3

EN ISO 374-1 TYPE C
EN ISO 374-5

COMFORT — CHLORINATED

SOLO 977

Ideal splash protection for use in the chemical industry

Internal finish
Easy donning treatment

External finish
Pebbled

Size
6 7 8 9 10

Length
24 cm

Thickness
0.13 mm

CAT 3

EN ISO 374-1 TYPE B
EN ISO 374-5
ISO 18889 G1
JKT

SOLO 999

Excellent mechanical resistance, ideal in oily environments

Internal finish
Easy donning treatment

External finish
Pebbled

Size
6 7 8 9

Length
29-30 cm

Thickness
0.10 mm

Only 919, see food compatibility chart, p. 56

CAT 3

EN ISO 374-1 TYPE B
EN ISO 374-5
JKT
VIRUS

SOLO 997

The perfect protection for light handling in oily environments

Internal finish
Easy donning treatment

External finish
Smooth with pebbled fingertips

Size
6 7 8 9

Length
24 cm

Thickness
0.10 mm

See food compatibility chart, p. 56

CAT 3

EN ISO 374-1 TYPE B
EN ISO 374-5
JKT
VIRUS

SOLO 980

Excellent mechanical resistance with very good chemical protection, ideal for various environments

Internal finish
Easy donning treatment

External finish
Pebbled

Size
6 7 8 9 10 11

Length
30 cm

Thickness
0.20 mm

See food compatibility chart, p. 56

CAT 3

EN ISO 374-1 TYPE B
EN 421:2010
EN ISO 374-5
JKPT
VIRUS

x100 gloves — x1000 gloves

x50 gloves — x500 gloves

MECHANICAL PROTECTION
HANDLING PROTECTION: ULTRANE RANGE

Mapa Professional handling range offers **protection and comfort** for a wide **variety of tasks - from precision to heavy duty work** - requiring general protection (against abrasion, scratches, snags) without cut risks. Ideal for box handling, assembly and quality control.

PRECISION WORK

The ULTRANE range is designed for fine handling of small, delicate parts, offering:

- **Different levels of protection** to be adapted to work conditions
- **High dexterity** especially at fingertips
- **Ease of movement** (comfort)
- Different **service lives** to suit every job
- Suitability for **diverse environments** (dry, wet, oily, greasy, dirty)
- **Enhanced grip** in slippery conditions

HOW CAN YOU REFINE YOUR CHOICE?

1 ENVIRONMENT

Select the glove most suitable for your working environment:

- **dry** and **relatively clean** environments
- **oily** and **very dirty** environments
- **wet** environments

2 SERVICE LIFE

The service life of a glove for heavy-duty work is directly linked to the thickness of the polymer layer covering the fabric and to the adhesion and nature of the fabric in a given environment.

- **short** service life
- **long** service life
- **high-performance** service life

PRECISION WORK

ENVIRONMENT
dry and relatively clean

short SERVICE LIFE			long SERVICE LIFE		
ULTRANE 548	**ULTRANE 648**	**ULTRANE 524**	**ULTRANE 551**	**ULTRANE 510**	**ULTRANE 681**
					
Optimal dexterity and sensitivity offering light protection	**Optimal dexterity and sensitivity offering light protection. Suitable for touch screens**	**Protection of electronic device from ElectroStatic Discharge (ESD)**	**Unbeatable for fingertip precision**	**Optimal comfort, high level of breathability and durability for precision work**	**Second skin effect for optimal comfort and dexterity thanks to its 18 gauge**
Liner **Seamless knitted textile support** Gauge **13** Coating **Polyurethane coating on palm and fingers** Cuff **Knitted wrist** Size **548: 5 6 7 8 9 10 11** **549: 5 6 7 8 9 10** Length **21-27 cm**	Liner **Seamless textile support** Gauge **13** Coating **Polyurethane coating on palm and fingers** Cuff **Knitted wrist** Size **5 6 7 8 9 10 11** Length **22-27 cm**	Liner **Seamless textile with conductive fibres** Gauge **18** Coating **Polyurethane coating on palm and fingers** Cuff **Knitted wrist** Size **6 7 8 9 10 11** Length **22-27 cm** Washable x**1**	Liner **Seamless knitted textile support** Gauge **13** Coating **Polyurethane coating on palm and fingers** Cuff **Knitted wrist** Size **551: 5 6 7 8 9 10 11** **550/550VM: 6 7 8 9 10** Length **21-27 cm**	Liner **Seamless knitted textile support** Gauge **13** Coating **Polymer coating with aqueous base on palm and fingers** Cuff **Knitted wrist** Size **6 7 8 9 10 11** Length **22-27 cm** Washable x**1** See food compatibility chart, p. 56	Liner **Seamless knitted textile support** Gauge **18** Coating **Foam nitrile coating on palm and fingers** Cuff **Knitted wrist** Size **6 7 8 9 10 11** Length **23-28 cm** Washable **x1**
CAT 2 EN 388 **3121X**	CAT 2 EN 388 **3121X**	CAT 2 EN 388 **2X20A** EN 16350	CAT 2 EN 388 **4131X**	CAT 2 EN 388 **4131X**	CAT 2 EN 388 **4X21A** **ISO 13997: 4.9N**
x1 x12 x96	x1 x12 x96	x1 x12 x96	x1 x10 x100	x1 x12 x96	x1 x12 x48

MECHANICAL PROTECTION
HANDLING PROTECTION: ULTRANE RANGE

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- **High dexterity** especially at fingertips
- **Ease of movement** (comfort)
- Different **service lives** to suit every job
- Suitability for **diverse environments** (dry, wet, oily, greasy, dirty)
- **Enhanced grip** in slippery conditions

HOW CAN YOU REFINE YOUR CHOICE?

1 ENVIRONMENT

Select the glove most suitable for your working environment:

- **dry** and **relatively clean** environments
- **oily** and **very dirty** environments
- **wet** environments

2 SERVICE LIFE

The service life of a glove for heavy-duty work is directly linked to the thickness of the polymer layer covering the fabric and to the adhesion and nature of the fabric in a given environment.

- **short** service life
- **long** service life
- **high-performance** service life

PRECISION WORK

ENVIRONMENT **dry and relatively clean**

ENVIRONMENT **oily and very dirty**

high-performance SERVICE LIFE

ULTRANE 527

Detachable fingers to prevent entanglement. Comfort, suppleness and high dexterity without compromising breathability and durability

Liner
Seamless textile with patent pending specific knitting technology by MAPA PROFESSIONAL
Gauge **15**
Coating
Foam nitrile coating with sandy finish on palm and fingers
Cuff
Knitted wrist
Size
6 7 8 9 10 11
Length **22-28 cm**
Washable **x1**

OEKO-TEX® STANDARD 100 CQ 979/2 IFTH

CAT 2

EN 388: 31X1A
EN 407: X1XXXX

x1 x12 x96

ULTRANE 541

Comfort, suppleness and high dexterity without compromising breathability and durability

Liner
Seamless knitted textile support
Gauge **15**
Coating
Foam nitrile coating with sandy finish on palm and fingers
Cuff
Knitted wrist
Size
6 7 8 9 10 11
Length **22-28 cm**
Washable **x1**

OEKO-TEX® STANDARD 100 CQ 979/2 IFTH See food compatibility chart, p. 56

CAT 2

EN 388: 4121A
EN 407: X1XXXX

Only 641 x1 x12 x96

ULTRANE 664

Eco-designed handling glove made of recycled fibres* with high dexterity and comfort

Liner
Seamless knitted textile support made of recycled polyester fibres (*39% of the liner i.e. 20% of the total weight of the glove)
Gauge **15**
Coating
Foam nitrile coating on palm and fingers
Cuff
Knitted wrist
Size
6 7 8 9 10 11
Length **21-27cm**
Washable **x1**

OEKO-TEX® STANDARD 100 CQ 979/2 IFTH

CAT 2

EN 388: 4X11A

x1 x48

ULTRANE 544

Protection of electronic device from ElectroStatic Discharge (ESD)

Liner
Seamless textile with conductive fibres
Gauge **15**
Coating
Foam nitrile conductive coating on palm and fingers
Cuff
Knitted wrist
Size
6 7 8 9 10 11
Length **22-27 cm**
Washable **x1**

OEKO-TEX® STANDARD 100 CQ 979/2 IFTH

CAT 2

EN 388: 4121A
EN 16350

x1 x12 x96

ULTRANE 553

Unbeatable for fingertip precision in dirty environments

Liner
Seamless knitted textile support
Gauge **13**
Coating
Nitrile coating on palm and fingers
Cuff
Knitted wrist
Size
5 6 7 8 9 10
Length **21-26 cm**

CAT 2

EN 388: 4121X

x1 x10 x100

ULTRANE 500**

Assured grip, skin protected and excellent dexterity in lightly oily/dirty environments

Liner
Seamless knitted textile support
Gauge **13**
Coating
Double layer coating:
Smooth nitrile - Sandy nitrile
500: palm and fingers
525: 3/4 coating
526: fully coated
Size
500/525: 6 7 8 9 10 11
526: 7 8 9 10 11
Length **22-27 cm**
Washable **x3**

OEKO-TEX® STANDARD 100 CQ 979/2 IFTH

CAT 3

EN 388: 4121A
ISO 18889: GR
EN 407: X1XXXX

x1 x12 x96
525: also available without individual packaging

MECHANICAL PROTECTION
HANDLING PROTECTION: TITAN RANGE

Mapa Professional handling range offers **protection and comfort** for a wide variety of tasks - **from precision to heavy duty work** - requiring general protection (against abrasion, scratches, snags) **without cut risks**. Ideal for box handling, assembly and quality control.

HEAVY-DUTY WORK

In heavy-duty environments, users need durable and comfortable gloves that offer enough protection.

TITAN, HARPON, and EXONIT ranges key benefits:

- Easy to **don and doff**
- **Ease of movement** and **gripping**
- **Different service lives** to suit every job
- **Adaptability** to different **environments** (dry, wet, oily, greasy, dirty)
- Superior performance in **slippery conditions**
- **Specific protection** depending on the glove (e.g. impact protection)

HOW CAN YOU REFINE YOUR CHOICE?

1 ENVIRONMENT

Select the glove most suitable for your working environment:

- **dry** and **relatively clean** environments
- **oily** and **very dirty** environments
- **wet** environments

2 SERVICE LIFE

The service life of a glove for heavy-duty work is directly linked to the thickness of the polymer layer covering the fabric and to the adhesion and nature of the fabric in a given environment.

- **short** service life
- **long** service life
- **high-performance** service life

HEAVY-DUTY WORK

dry ENVIRONMENTS

short SERVICE LIFE			long SERVICE LIFE	high-performance SERVICE LIFE
TITAN 833	**TITAN 375**	**TITAN 383**	**TITAN 397**	**TITAN 388**
				
Comfort and dexterity for common tasks	**Protection for all types of light handling activities**	**Protection for all types of light handling activities**	**Comfort and dexterity for common handling tasks**	**Comfort and durability for heavy-duty handling**
Liner **Textile support** Coating **3/4 nitrile coating** Cuff **Knitted** Size **7 8 9 10** Length **26-27 cm**	Liner **Textile support** Coating **Full nitrile coating** Cuff **Scalloped cut** Size **6 7 8 9** Length **27 cm**	Liner **Textile support** Coating **Full nitrile coating** Cuff **Knitted** Size **7 8 9 10** Length **25-28 cm**	Liner **Textile support** Coating **3/4 nitrile coating** Cuff **Knitted** Size **6 7 8 9 10** Length **24-28 cm**	Liner **Textile support** Coating **Full nitrile coating** Cuff **Safety cuff** Size **8 9 10** Length **25-27 cm**
CAT 2	CAT 2	CAT 2	CAT 2	CAT 2
EN 388 3111X	EN 388 3111X	EN 388 3111X	EN 388 4111X	EN 388 4111X
x10 x100	x1 x5 x50	x10 x100	x1 x10 x100	x10 x100

MECHANICAL PROTECTION

HANDLING PROTECTION: TITAN - JERSETTE - HARPON - EXONIT RANGE

Mapa Professional handling range offers **protection and comfort** for a wide variety of tasks - **from precision to heavy duty work** - requiring general protection (against abrasion, scratches, snags) **without cut risks.** Ideal for box handling, assembly and quality control.

HEAVY-DUTY WORK

In heavy-duty environments, users need durable and comfortable gloves that offer enough protection.

TITAN, JERSETTE, HARPON, and EXONIT ranges key benefits:

- **Easy to don and doff**
- **Ease of movement** and **gripping**
- **Different service lives** to suit every job
- **Adaptability** to different **environments** (dry, wet, oily, greasy, dirty)
- Superior performance in **slippery conditions**
- **Specific protection** depending on the glove (e.g. impact protection)

HOW CAN YOU REFINE YOUR CHOICE?

1 ENVIRONMENT

Select the glove most suitable for your working environment:

- **dry** and **relatively clean** environments
- **oily** and **very dirty** environments
- **wet** environments

2 SERVICE LIFE

The service life of a glove for heavy-duty work is directly linked to the thickness of the polymer layer covering the fabric and to the adhesion and nature of the fabric in a given environment.

- **short** service life
- **long** service life
- **high-performance** service life

HEAVY-DUTY WORK

wet ENVIRONMENTS			oily and very dirty ENVIRONMENTS		
short SERVICE LIFE			long SERVICE LIFE		high-performance SERVICE LIFE
TITAN 328	**JERSETTE 315**	**JERSETTE 307**	**HARPON 319**	**HARPON 330**	**EXONIT 852**	**TITAN 850**
						
Flexibility and grip for common handling tasks	**Additional and comfortable protection on the 5 fingers for long-term work in agressive environments**	**Exceptional comfort and precision dexterity in light aggressive environments**	**Comfort, reinforced safety and excellent grip in wet environments**		**Shock absorption on the back, comfort thanks to palm pads and dexterity**	**Shock absorption, durability and comfort for heavy handling work**
Liner **Seamless knitted textile support** Gauge **10** Coating **Natural latex anti-slip coating on palm and fingers Embossed, anti-slip texture** Cuff **Knitted** Size **8 9 10** Length **24-27 cm**	Liner **Textile support** Coating **Pebbled** Cuff **Scalloped cut** Size **7 8 9 10** Length **34 cm** Thickness **2.40 mm**	Internal finish **Textile support** External finish **Pebbled** Size **6 7 8 9** Length **31 cm** Thickness **0.75 mm**	Liner **Textile support** Coating **Fully coated in natural latex Embossed, anti-slip texture** Cuff **Knitted** Size **7 8 9** Length **25-27 cm**	Liner **Textile support** Coating **3/4 coating in natural latex Embossed, anti-slip texture** Cuff **Knitted** Size **6 7 8 9** Length **24-28 cm**	Liner **Seamless knitted textile support** Gauge **13** Coating **Double layer full coating Smooth nitrile - Sandy nitrile TPR full protection pad on back-of-hands** Cuff **Knitted wrist** Size **7 8 9 10 11** Length **25-29 cm**	Liner **Seamless knitted textile support** Gauge **13** Coating **Double layer coating on palm and finger Smooth nitrile - Sandy nitrile** Size **7 8 9 10 11** Length **25-28 cm**
CAT 2	CAT 2	CAT 2	CAT 2		CAT 2	CAT 2
EN 388 **2142X**	EN 388 **2131B**	EN 388 **2120X**	EN 388 **3131X**	EN 407 **X1XXXX**	EN 388 **3X21XP**	EN 388 **4132XP**
EN 407 **X2XXXX**	EN 407 **X2XXXX**	EN 407 **X1XXXX**				
x1 x12 x96	x1 x5 x50	x1 x5 x50	x1 x5 x50		x1 x12 x48	x1 x12 x48

MECHANICAL PROTECTION
CUT PROTECTION: KRYTECH RANGE

Mapa Professional cut-protection range combines protection against **cut hazards** with excellent **comfort** and **dexterity**. Ideal for tasks involving sharp objects such as metal sheets, blades or glass.

PRECISION WORK

Users in precision work need both cut protection and the ability to handle small and delicate parts.

The KRYTECH range offers:
- **Different levels of cut protection** to be adapted to work conditions
- **High dexterity** especially at fingertips
- **Ease of movement** (comfort)
- **Different service lives** to suit every job
- **Adaptability** to various **environments** (dry, wet, oily, greasy, dirty)
- Superior performance in **slippery settings** for certain products

HOW CAN YOU REFINE YOUR CHOICE?

1 ENVIRONMENT
Select the glove most suitable for your working environment:
- **dry** and **relatively clean** environments
- **oily** and **very dirty** environments
- **wet** environments

2 RISK
The higher the level of performance, the greater the glove's resistance to the combined effects of the sharpness of the object's cutting edge and the pressure applied.
- **low** risk - ISO B
- **moderate** risk - ISO C
- **high** risk - ISO D
- **very high** risk - ISO E & ISO F

3 SERVICE LIFE
The service life of a glove for precision work is directly linked to the thickness of the polymer layer covering the fabric and the nature of the fabric, in a given environment.
- **short** service life
- **long** service life
- **high-performance** service life

dry and relatively clean ENVIRONMENTS

low RISK

short SERVICE LIFE			**long** SERVICE LIFE		
KRYTECH 578	**KRYTECH 579**	**KRYTECH 584**	**KRYTECH 557**	**KRYTECH 558**	**KRYTECH 609**
					
Light cut protection for very precise handling in clean and dirty environments	**Light cut protection for very precise handling in reasonably clean environments**		**Light cut protection with crotch reinforcement for precise handling in reasonably clean environments**		**Light cut protection with high comfort, suppleness and durability for precision work even in dirty environments. With or without crotch reinforcement**
Liner **Seamless knitted textile support in HDPE fibres** Gauge **13** Coating **Polyurethane coating on palm and fingers** Cuff **Knitted wrist** Size **6 7 8 9 10 11** Length **22-27 cm** Washable x**3**	Liner **Seamless textile support in HDPE fibres** Gauge **13** Coating **Polyurethane coating on palm and fingers** Cuff **Knitted wrist** Size **5 6 7 8 9 10 11** Length **21-27 cm** Washable x**5**	Liner **Seamless textile support in HDPE fibres** Gauge **13** Coating **Polyurethane coating on palm and fingers** Cuff **Knitted wrist** Size **6 7 8 9 10 11** Length **27-32 cm** Washable x**5**	Liner **Seamless textile support in HDPE fibres** Gauge **13** Coating **Polyurethane coating on palm and fingers** Cuff **Knitted wrist** Size **6 7 8 9 10 11** Length **557: 22-27 cm** **558: 27-32 cm** Washable x**5**		Liner **Seamless knitted textile support in composite and HDPE fibres** Gauge **13** Coating **Polyurethane coating on palm and fingers** Cuff **Knitted wrist** Size **5 6 7 8 9 10 11** Length **21-27 cm** Washable **x5** OEKO TEX® STANDARD 100 CQ0992 IFTH
CAT 2 EN 388 **4X42B** **ISO 13997: 5N**	CAT 2 EN 388 **4342B** **ISO 13997: 5.3N**	CAT 2 EN 388 **4342B** **ISO 13997: 5.3N**	CAT 2 EN 388 **4343B** **ISO 13997: 5.3N**		CAT 2 EN 388 **4X42B** **ISO 13997: 9.5N**
x1 x12 x48	x1 x12 x96 579: also available without individual packaging		x1 x10 x50	x1 x12 x96	x1 x12 x48

MECHANICAL PROTECTION
CUT PROTECTION: KRYTECH RANGE

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PRECISION WORK

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The KRYTECH range offers:
- **Different levels of cut protection** to be adapted to work conditions
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- **Ease of movement** (comfort)
- **Different service lives** to suit every job
- **Adaptability** to various **environments** (dry, wet, oily, greasy, dirty)
- Superior performance in **slippery settings** for certain products

HOW CAN YOU REFINE YOUR CHOICE?

1 ENVIRONMENT
Select the glove most suitable for your working environment:
- **dry** and **relatively clean** environments
- **oily** and **very dirty** environments
- **wet** environments

2 RISK
The higher the level of performance, the greater the glove's resistance to the combined effects of the sharpness of the object's cutting edge and the pressure applied.
- **low** risk - ISO B
- **moderate** risk - ISO C
- **high** risk - ISO D
- **very high** risk - ISO E & ISO F

3 SERVICE LIFE
The service life of a glove for precision work is directly linked to the thickness of the polymer layer covering the fabric and the nature of the fabric, in a given environment.
- **short** service life
- **long** service life
- **high-performance** service life

dry and relatively clean ENVIRONMENTS

low RISK		moderate RISK	
long SERVICE LIFE	high-performance SERVICE LIFE	long SERVICE LIFE	high-performance SERVICE LIFE
KRYTECH 692	**KRYTECH 563**	**KRYTECH 610**	**KRYTECH 643**
			
Touchscreen; Crotch reinforcement; Good visibility		Recycled fibres	RESICOMFORT TECHNOLOGY; Touchscreen
Light cut protection with second skin effect for optimal comfort and dexterity thanks to its 18 gauge. Yellow for a better visibility of the wearer	**Light cut protection and durability for precise handling in reasonably clean environments**	**Eco designed. Moderate cut protection cut protection, providing maximum comfort. Seamless platted knitted glove, very good fit, dexterity and flexibility**	**Comfort, suppleness and high dexterity without compromising cut protection, breathability and durability**
Liner **Seamless knitted textile support in composite and HDPE fibres**	Liner **Seamless textile support in HDPE fibres**	Liner **Seamless knitted textile support in composite and HDPE fibres. Recycled polyester fibres (9% of the liner i.e. 8% of the total weight of the glove)**	Liner **Seamless knitted textile support in composite and HDPE fibres**
Gauge **18**	Gauge **13**	Gauge **13**	Gauge **15**
Coating **Foam nitrile coating on palm and fingers**	Coating **Nitrile coating on palm and fingertips**	Coating **Polyurethane coating on palm and fingers**	Coating **Foam nitrile coating with sandy finish on palm and fingers**
Cuff **Knitted wrist**	Cuff **Knitted wrist**	Cuff **Knitted wrist**	Cuff **Knitted wrist**
Size **6 7 8 9 10 11**	Size **7 8 9 10 11**	Size **6 7 8 9 10 11**	Size **6 7 8 9 10 11**
Length **24-29 cm**	Length **23-27 cm**	Length **23-28 cm**	Length **23-28 cm**
Washable **x1**	Thickness **1.4 mm**	Washable **x3**	Washable **x1**
See food compatibility chart, p. 56			
CAT 2	CAT 2	CAT 2	CAT 2
EN 388	EN 388	EN 388	EN 388
3X42B	4X43B	4X43C	4X42C
ISO 13997: 9.1N	ISO 13997: 5.9N	ISO 13997: 14.9N	ISO 13997: 10.3N
x1 x12 x48	x1 x12 x96	x1 x12 x48	

high-performance SERVICE LIFE		high-performance SERVICE LIFE
KRYTECH 588	**KRYTECH 642**	**KRYTECH 693**
		
	RESICOMFORT TECHNOLOGY; Touchscreen	Touchscreen; Crotch reinforcement; Electrostatic discharge protection
Cutting, grip and dexterity for dry and slightly oily environments	**Comfort, suppleness and high dexterity without compromising on cut protection, breathability and durability**	**Moderate cut protection with second skin effect for optimal comfort and dexterity thanks to its 18 gauge. Protection of electronic device from ElectroStatic Discharge (ESD). Yellow for a better visibility of the wearer**
Liner **Seamless textile support in HDPE fibres**	Liner **Seamless knitted textile support in composite and HDPE fibres**	Liner **Seamless knitted textile support in composite and HDPE fibres**
Gauge **13**	Gauge **15**	Gauge **18**
Coating **Nitrile coating with sandy finish on palm and fingers**	Coating **Foam nitrile coating with sandy finish on palm and fingers**	Coating **Foam nitrile coating on palm and fingers**
Cuff **Knitted wrist**	Cuff **Knitted wrist**	Cuff **Knitted wrist**
Size **7 8 9 10 11**	Size **6 7 8 9 10 11**	Size **6 7 8 9 10 11**
Length **23-27 cm**	Length **23-28 cm**	Length **24-29 cm**
Washable x**5**	Washable **x1**	Washable **x1**
		See food compatibility chart, p. 56
CAT 2	CAT 2	CAT 2
EN 388	EN 388 EN 407	EN 388 EN 16350
4X42B	4X42B X1XXXX	4X42C
ISO 13997: 5.9N	ISO 13997: 5.7N	ISO 13997: 14.5N
x1 x12 x96		

MECHANICAL PROTECTION
CUT PROTECTION: KRYTECH RANGE

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- **Ease of movement** (comfort)
- **Different service lives** to suit every job
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- Superior performance in **slippery settings** for certain products

HOW CAN YOU REFINE YOUR CHOICE?

1 ENVIRONMENT
Select the glove most suitable for your working environment:
- **dry** and **relatively clean** environments
- **oily** and **very dirty** environments
- **wet** environments

2 RISK
The higher the level of performance, the greater the glove's resistance to the combined effects of the sharpness of the object's cutting edge and the pressure applied.
- **low** risk - ISO B
- **moderate** risk - ISO C
- **high** risk - ISO D
- **very high** risk - ISO E & ISO F

3 SERVICE LIFE
The service life of a glove for precision work is directly linked to the thickness of the polymer layer covering the fabric and the nature of the fabric, in a given environment.
- **short** service life
- **long** service life
- **high-performance** service life

dry and relatively clean ENVIRONMENTS

high RISK	very high RISK	high RISK	very high RISK
long SERVICE LIFE		high-performance SERVICE LIFE	

KRYTECH 586	KRYTECH 615	KRYTECH 815	KRYTECH 694	KRYTECH 622	KRYTECH 644	KRYTECH 645	KRYTECH 838
	 Touchscreen; Recycled fibres	 Touchscreen; Crotch reinforcement	 Touchscreen; Crotch reinforcement; Electrostatic discharge protection	 Touchscreen	 RESICOMFORT TECHNOLOGY; Touchscreen		
High cut protection for precise handling in reasonably clean environments	Eco designed. High cut protection providing maximum comfort. A seamless platted knitted glove for very good fit, dexterity and flexibility	High cut protection providing maximum comfort. A seamless platted knitted glove for very good fit, dexterity and flexibility	High cut protection with second skin effect for optimal comfort and dexterity thanks to its 18 gauge. Protection of electronic device from ElectroStatic Discharge (ESD). Yellow for a better visibility of the wearer	Very high cut protection, comfortable thanks to excellent adjustment and good compatibility with touch screens	Comfort, suppleness and high dexterity without compromising on cut protection, breathability and durability. Suitable for touch screens		High cut protection for the food industry. Ambidextrous
Liner **Seamless textile support in HDPE fibres** Gauge **13** Coating **Polyurethane on palm and fingers** Cuff **Knitted wrist** Size **6 7 8 9 10 11** Length **24-30 cm** Washable x**3**	Liner **Seamless knitted textile support in composite and HDPE fibres** **Recycled polyester fibres** (27% of the liner i.e. 25% of the total weight of the glove) Gauge **13** Coating **Polyurethane coating on palm and fingers** Cuff **Knitted wrist** Size **6 7 8 9 10 11** Length **24-29 cm** Washable x**3**	Liner **Seamless knitted textile support in composite and HDPE fibres** Gauge **13** Coating **Polyurethane coating on palm and fingers** Cuff **Knitted wrist** Size **6 7 8 9 10 11** Length **24-30 cm** Washable x**3**	Liner **Seamless knitted textile support in composite and HDPE fibres** Gauge **18** Coating **Foam nitrile coating on palm and fingers** Cuff **Knitted wrist** Size **6 7 8 9 10 11** Length **24-29 cm** Washable x**1**	Liner **Seamless knitted textile support in composite and HDPE fibres** Gauge **13** Coating **Polyurethane coating on palm and fingers** Cuff **Knitted wrist** Size **6 7 8 9 10 11** Length **24-29 cm** Washable x**5**	Liner **Seamless knitted textile support in composite and HDPE fibres** Gauge **15** Coating **Foam nitrile coating with sandy finish on palm and fingers** Cuff **Knitted wrist** Size **6 7 8 9 10 11** Length **23-28 cm** Washable x**1**		Liner **Seamless textile support in HDPE fibres** Gauge **10** Cuff **Knitted wrist** Size **6 7 8 9 10 11** Length **34 cm** Washable x**20**
	OEKO-TEX STANDARD 100 CQ979/3 IFTH	OEKO-TEX STANDARD 100 CQ979/2 IFTH	See food compatibility chart, p. 56	OEKO-TEX STANDARD 100 CQ979/2 IFTH	OEKO-TEX STANDARD 100 CQ979/2 IFTH		See food compatibility chart, p. 56
CAT 2	CAT 2	CAT 2	CAT 2	CAT 2	CAT 2		CAT 2
EN 388 **4X43D** ISO 13997: 18.6N	EN 388 **4X43D** ISO 13997: 20N	EN 388 **4X43D** ISO 13997: 20N	EN 388 **4X42D** EN 16350 ISO 13997: 18N	EN 388 **4X43E** ISO 13997: 29.5N	EN 388 **4X43D** EN 407 **X1XXXX** ISO 13997: 16N	EN 388 **4X43E** EN 407 **X1XXXX** ISO 13997: 29.5N	EN 388 **2X4XE** ISO 13997: 24.2N
							x1 glove x10 gloves
			x1 x12 x48				

MECHANICAL PROTECTION
CUT PROTECTION: KRYTECH RANGE

Mapa Professional cut-protection range combines protection against **cut hazards** with excellent **comfort** and **dexterity**. Ideal for tasks involving sharp objects such as metal sheets, blades or glass.

PRECISION WORK

Users in precision work need both cut protection and the ability to handle small and delicate parts.

The KRYTECH range offers :
- **Different levels of cut protection** to be adapted to work conditions
- **High dexterity** especially at fingertips
- **Ease of movement** (comfort)
- **Different service lives** to suit every job
- **Adaptability** to various **environments** (dry, wet, oily, greasy, dirty)
- Superior performance in **slippery settings** for certain products

HOW CAN YOU REFINE YOUR CHOICE?

1 ENVIRONMENT
Select the glove most suitable for your working environment:
- **dry** and **relatively clean** environments
- **oily** and **very dirty** environments
- **wet** environments

2 RISK
The higher the level of performance, the greater the glove's resistance to the combined effects of the sharpness of the object's cutting edge and the pressure applied.
- **low** risk - ISO B
- **moderate** risk - ISO C
- **high** risk - ISO D
- **very high** risk - ISO E & ISO F

3 SERVICE LIFE
The service life of a glove for precision work is directly linked to the thickness of the polymer layer covering the fabric and the nature of the fabric, in a given environment.
- **short** service life
- **long** service life
- **high-performance** service life

oily and very dirty ENVIRONMENTS

low RISK	moderate RISK	high RISK
KRYTECH 580	KRYTECH 574	KRYTECH 582
KRYTECH 599	KRYTECH 585	
KRYTECH 600		

high-performance SERVICE LIFE

KRYTECH 580

Eco-designed cut protection glove with grip and skin protection for precise handling in slightly oily and dirty environments

Liner
Seamless textile support in HDPE fibres and recycled polyester fibres (24% of the liner i.e. 14% of the total weight of the glove)
Gauge **13**
Coating
Double layer coating on palm and fingers
Smooth nitrile - Sandy nitrile
Cuff
Knitted wrist
Size
6 7 8 9 10 11
Length
23-27 cm

OEKO TEX® STANDARD 100 CQ 979/3 IFTH

CAT 3

EN 388	EN 407	ISO 18889
4X42B	X1XXXX	GR

ISO 13997: 6N

KRYTECH 599

Eco-designed cut protection glove with grip and skin protection for complex handling operations in oily environments

Liner
Seamless textile support in HDPE fibres and recycled polyester fibres (37% of the liner i.e. 22% of the total weight of the glove)
Gauge **13**
Coating
Double layer 3/4 coating on palm and fingers
Smooth nitrile - Sandy nitrile
Cuff
Knitted wrist
Size
7 8 9 10 11
Length
23-27 cm

OEKO TEX® STANDARD 100 CQ 979/3 IFTH

CAT 3

EN 388	EN 407	ISO 18889
4X42B	X1XXXX	GR

ISO 13997: 6N

KRYTECH 600

Eco-designed cut protection glove with grip and skin protection for complex handling operations in very oily environments

Liner
Seamless textile support in HDPE fibres and recycled polyester fibres (37% of the liner i.e. 20% of the total weight of the glove)
Gauge **13**
Coating
Double layer full coating
Smooth nitrile - Sandy nitrile
Cuff
Knitted wrist
Size
7 8 9 10
Length
23-26 cm

OEKO TEX® STANDARD 100 CQ 979/3 IFTH

CAT 3

EN 388	EN 407	ISO 18889
4X42B	X1XXXX	GR

ISO 13997: 6N

KRYTECH 574

Moderate cut protection with graphene for enhanced safety, dexterity and comfort, with Grip&Proof technology

Liner
Seamless knitted textile support in composite and HDPE fibres with graphene fibres
Gauge **21**
Coating
Double layer full coating
Smooth nitrile - Sandy nitrile
Cuff
Knitted wrist
Size
6 7 8 9 10 11
Length
24-29 cm

OEKO TEX® STANDARD 100 CQ 979/3 IFTH

CAT 3

EN 388	EN 407	ISO 18889
4X31C	X1XXXX	GR

ISO 13996: 14.5N

KRYTECH 585

Moderate cut protection for enhanced safety, comfort and durability with Grip&Proof technology

Liner
Seamless knitted textile support in composite and HDPE fibres
Gauge **15**
Coating
Double layer coating on palm and fingers
Smooth nitrile - Sandy nitrile
Cuff
Knitted wrist
Size
7 8 9 10 11
Length **23-27 cm**
Washable **x3**

OEKO TEX® STANDARD 100 CQ 979/2 IFTH

CAT 3

EN 388
4X42C

ISO 13997: 13N

KRYTECH 582

High cut protection for complex handling operations in oily environments

Liner
Seamless knitted textile support in composite and HDPE fibres
Gauge **13**
Coating
Double layer 3/4 coating
Smooth nitrile - Sandy nitrile
Cuff
Knitted wrist
Size
6 7 8 9 10 11
Length **23-28 cm**
Washable **x5**

OEKO TEX® STANDARD 100 CQ 979/2 IFTH

CAT 2

EN 388
4X43D

ISO 13997: 18N

x1 x12 x48

x12 x48

x1 x12 x48

MECHANICAL PROTECTION

CUT PROTECTION: KRYTECH - EXONIT RANGE

Mapa Professional range of **cut-protection gloves** offer both protection against **cut hazards** and **excellent comfort**. Ideal for tasks involving sharp objects such as metal sheets, blades or glass.

HEAVY-DUTY WORK

Mapa Professional KRYTECH and EXONIT heavy duty range offers gloves with cut protection and resistant enough for all types of tasks, ensuring comfort and flexibility for prolonged use.

Key advantages include:

- **Different levels of cut protection** to be adapted to work conditions
- Easy to **don and doff**
- **Ease of movement** and **gripping**
- **Different service lives** to suit every job
- **Adaptability** to diverse **environments** (dry, wet, oily, greasy, dirty)
- **Superior grip** in slippery conditions
- **Specific protection** depending on the glove (e.g. impact protection)

HOW CAN YOU REFINE YOUR CHOICE?

1 ENVIRONMENT

Select the glove most suitable for your working environment:

- **dry** and **relatively clean** environments
- **oily** and **very dirty** environments
- **wet** environments

2 RISK

The higher the level of performance, the greater the glove's resistance to the combined effects of the sharpness of the object's cutting edge and the pressure applied.

- **low** risk - ISO B
- **moderate** risk - ISO C
- **high** risk - ISO D
- **very high** risk - ISO E & ISO F

3 SERVICE LIFE

The service life of a glove for precision work is directly linked to the thickness of the polymer layer covering the fabric and the nature of the fabric, in a given environment.

- **short** service life
- **long** service life
- **high-performance** service life

dry and relatively clean ENVIRONMENTS		wet ENVIRONMENTS	oily and very dirty ENVIRONMENTS	
high RISK	very high RISK	high RISK	low RISK	high RISK
high-performance SERVICE LIFE				long SERVICE LIFE

KRYTECH 836	KRYTECH 832	KRYTECH 837	KRYTECH 840	KRYTECH 380	KRYTECH 395	KRYTECH 851	EXONIT 853
							
High cut protection and resistance to wear with optimal dexterity and comfort	High cut protection for handling heavy, sharp objects in dry and relatively clean environments	High cut protection designed to ensure comfort, dexterity and durability for heavy handling work	High cut protection for handling heavy or sharp objects in wet environments	Light protection against cutting, grip and skin protected for heavy handling operations in oily/ dirty environments	Lasting chemical protection and high cut protection combined	High cut protection, shock absorption, durability and comfort for heavy handling work	High cut protection combining shock absorption on the back, comfort thanks to palm pads and dexterity
Liner **Seamless knitted textile support in composite and HDPE fibres** Gauge **13** Coating **Leather covering on palm with thumb/index finger reinforcements** Cuff **Knitted wrist** Size **7 8 9 10 11** Length **27-32 cm** Washable **x5**	Liner **Seamless knitted textile support in composite and HDPE fibres** Gauge **10** Coating **Leather covering on palm with thumb/index finger reinforcements** Cuff **Knitted wrist** Size **8 9 10 11** Length **24-27 cm** Washable **x5**	Liner **Seamless knitted textile support in HDPE and composite fibres** Gauge **13** Coating **Foam nitrile coating with leather reinforcement at palm except thumb and index fingertips** Cuff **Knitted wrist** Size **8 9 10 11** Length **30 cm** Washable **x5**	Liner **Seamless knitted textile support in composite and HDPE fibres** Gauge **10** Coating **Latex palm and fingers/ Non-slip embossed** Cuff **Knitted wrist** Size **7 8 9 10** Length **23-26 cm**	Liner **Seamless textile support in HDPE and cotton fibres** Gauge **13** Coating **Double layer coating: Smooth nitrile - Sandy Nitrile** **Safety cuff** Size **8 9 10** Length **24-29 cm** Thickness **2 mm**	Liner **Cotton textile support** Coating **Nitrile between internal and external finish** Size **8 9 10** Length **32 cm** Thickness **2.15 mm**	Liner **Seamless knitted textile support in composite and HDPE fibres** Gauge **13** Coating **Double layer coating on palm and fingers Smooth nitrile - Sandy nitrile** **Safety cuff** Size **7 8 9 10 11** Length **25-28 cm**	Liner **Seamless knitted textile support in composite and HDPE fibres** Gauge **13** Coating **Double layer 3/4 coating Smooth nitrile - Sandy nitrile** Cuff **Knitted wrist** Size **7 8 9 10 11** Length **26-28 cm**
CAT 2	CAT 2	CAT 2	CAT 2	CAT 2	CAT 3	CAT 2	CAT 2
EN 388 4X43D EN 407 X1XXXX	EN 388 4X43E EN 407 X1XXXX	EN 388 4X44F EN 407 X1XXXX	EN 388 3X43D EN 407 X2XXXX	EN 388 4344B EN 407 X1XXXX	EN 388 4X43D EN ISO 374-1 TYPE B JKOPT EN407 X1XXXX EN ISO 374-5	EN 388 4X43DP	EN 388 4X43DP
ISO 13997: 17.2N	ISO 13997: 24.3N	ISO 13997: 38.5N	ISO 13997: 19.8N	ISO 13997: 7.6N	ISO 13997: 20.4N	ISO 13997: 17.6N	ISO 13997: 21.5 N
x1 x12 x48	x1 x12 x72	x12 x48	x1 x12 x72	x1 x6 x48	x1 x12	x1 x12 x48	x1 x12 x48

MECHANICAL PROTECTION
CUT PROTECTION: KRYTECH RANGE

Mapa Professional offers a range of **cut-protection sleeves** for workstations that require extra protection to **cover the forearm**.

Key advantages of the SLEEVES include:
- Extended **coverage for the forearm**
- **Different levels of cut protection** to be adapted to work conditions
- **Comfortable** wear
- **Easy donning**

HOW CAN YOU REFINE YOUR CHOICE?

1 ENVIRONMENT
Select the cuff most suitable for your working environment:

- **dry** and **relatively clean** environments
- **oily** and **very dirty** environments
- **wet** environments

2 RISK
The higher the level of performance, the greater the ability of the cuff to stand up to the combined effects of the sharpness of the cutting edge and the pressure applied.

- **low** risk - ISO B
- **moderate** risk - ISO C
- **high** risk - ISO D
- **very high** risk - ISO E & ISO F

for all environments

low RISK	moderate RISK	high RISK
KRYTECH 532	**KRYTECH 603**	**KRYTECH 538**
		
Adjustable seamless knitted sleeves that provide light cut protection, optimal comfort and freedom of movement to the wearer	**Adjustable and ultra-comfortable sleeves designed with an advanced seamless knit for a perfect fit, fresh feel and excellent flexibility providing moderate cut protection**	**Adjustable seamless knitted sleeves that provide high cut protection, optimal comfort and freedom of movement to the wearer**
Liner **Seamless knitted textile support in HDPE fibres** Specific features **Self-gripping tape closure system** **Thumbslot** Gauge **13** Length **45 cm** Width **140 mm** Size **Unique** Washable **x5**	Liner **Seamless knitted textile support in HDPE fibres** Specific features **Self-gripping tape closure system** **Yellow thumbslot for a better visibility** Gauge **15** Length **53 cm** Width **120 mm** Size **Unique** Washable **x3**	Liner **Seamless knitted textile support in HDPE and composite fibres** Specific features **Self-gripping tape closure system** **Thumbslot** Gauge **13** Length **60 cm** Width **150 mm** Size **Unique** Washable **x5**
OEKO TEX® STANDARD 100 CQ 979/2 IFTH	OEKO TEX® STANDARD 100 CQ 979/2 IFTH	OEKO TEX® STANDARD 100 CQ 979/2 IFTH
CAT 2 EN 388 3X4XB ISO 13997: 6.8N	CAT 2 EN 388 3X42C ISO 13997: 12.9N	CAT 2 EN 388 3X4XD ISO 13997: 20N
x6 pairs sleeves x72 pairs sleeves	x6 pairs sleeves x72 pairs sleeves	x6 pairs sleeves x48 pairs sleeves VENDING MACHINE x12 pairs sleeves x48 pairs sleeves

THERMAL PROTECTION
PROTECTION: HEAT AND COLD

Mapa Professional gloves deliver trusted hand protection across a **wide temperature range**, from heat up to 250°C to sub-zero conditions. Ideal for sectors such as manufacturing, construction, and food processing.

Key advantages include:
- **Strong thermal insulation** and **long-lasting durability**
- **Ergonomic fit** for enhanced **comfort** during extended wear
- **Good dexterity** for precision tasks
- **Versatile solution** for both high-temperature tasks and cold storage operations, combining safety, comfort, and performance.

HOW CAN YOU REFINE YOUR CHOICE?

1 TEMPERATURE
Depending on the temperature of the objects to be handled.

- Temperature **- 10°C**
- Temperature **up to 150°C**
- Temperature **above 150°C**

2 ENVIRONMENT
Depending on the environment in which you are working.

- **wet** environments
- **dry** environments
- **moderately oily** environments
- **chemical** environments

3 USAGE DURATION
In cold settings, the duration depends on the intrinsic quality of the coating material. In hot settings, the duration depends on the contact time with the part at a given temperature.

SERVICE LIFE (COLD)
- **long** service life
- **high-performance** service life

CONTACT TIME (HOT)
- **short** contact
- **prolonged** contact

TEMPERATURE -10°C		TEMPERATURE up to 150°C		TEMPERATURE above 150°C	
wet ENVIRONMENTS	wet, dry, moderately oily ENVIRONMENTS	dry, moderately oily ENVIRONMENTS		wet, chemical, moderately oily ENVIRONMENTS	
long SERVICE LIFE	high-performance SERVICE LIFE	CONTACT TIME short-term	CONTACT TIME prolonged	CONTACT TIME prolonged	CONTACT TIME short-term
		80°C 70s 100°C 30s 125°C 20s	80°C 1min50s 100°C 1min 125°C 38s	80°C 1min50s 100°C 1min 125°C 38s 250°C* 18s	100°C 37s 150°C 16s 175°C 12s
TEMPICE 780	**TEMPICE 700**	**TEMPDEX 710**	**TEMPDEX 720**	**TEMPCOOK 476**	**TEMPTEC 332**
					
GRIP & PROOF TECHNOLOGY		PATENTED	PATENTED	PATENTED, Long sleeve	
Thermal insulation 100% sealed for protecting against intense contact cold	Dexterity and comfort for optimised thermal protection and durability	High dexterity and thermal protection	Dexterity and resistance to cuts for optimised thermal protection	Hygienic with high-temperature thermal protection 100% liquid-proof	Effective thermal insulation and multi-purpose chemical resistance
Internal finish **Jersey textile support lined with a brushed synthetic knit liner** External finish **Pebbled** **PVC coating** Size **9 10** Length **30 cm**	Internal finish **Double seamless knitted textile support** Gauge **10 for internal seamless** Gauge **15 for external seamless** External finish **3/4 smooth nitrile coating with sandy nitrile on the palm and fingers** Cuff **Knitted wrist** Size **7 8 9 10** Length **24-27 cm** Washable **x5** See food compatibility chart, p. 56	Internal finish **Seamless knitted textile support** Gauge **13** External finish **Nitrile coating and dot embossing on palm and finger** Cuff **Knitted wrist** Size **7 9 11** Length **23-27 cm**	Internal finish **Knitted seamless textile support made from aramid fibres** Gauge **10** External finish **Nitrile coating and dot embossing on palm and finger** Cuff **Knitted wrist** Size **7 9 11** Length **24-28 cm**	Internal finish **Knitted thermal protection** External finish **Non-slip embossed Nitrile coating** Size **7(S) 9(M) 10(L)** Length **45 cm** See food compatibility chart, p. 56	Internal finish **Knitted thermal protection** External finish **Pebbled** **Polychloroprene (neoprene) coating** Size **8 9 10** Length **36 cm**
CAT 3	CAT 2	CAT 2	CAT 2	CAT 3	CAT 3
EN 388 3221X EN ISO 374-1 TYPE B KPT EN511 121 EN ISO 374-5	EN 388 3222X EN511 02X	EN 388 4111X EN 407 X1XXXX	EN 388 4X32B EN 407 X2XXXX EN ISO 13997: 7N	EN 388 4443D EN511 111 EN 407 X2XXXX EN ISO 374-1 TYPE A AFGJOT EN ISO 374-5	EN 388 2212X EN511 111 EN ISO 374-1 TYPE A ACLMNS EN 407 X2XXXX
x1 x48	x1 x12 x72	x1 x10 x50	x1 x12 x72	x1 x6	

*At 250°C the glove can become stiffer and the color might change, without altering the product performances.

FOOD EXPERT RANGE

Compliance with hygiene rules is an essential requirement in the food industry.
The industry invests to continuously improve the safety of its customers,
as producers alone are legally liable for the sanitary quality of their products.

European regulations define in great detail the **food contact tests** to be performed for each type of food.
Therefore, a glove may be approved for the handling of certain foodstuffs but not others.

Indeed, simply affixing the pictogram to a glove without giving more detailed information does not provide an adequate guarantee of compatibility with a given food.

The flags in this catalogue refer to the regulations for which the glove is certified. If there is one of the national flag, it is also European-certified.

Through its dedicated **food industry selection guide,** Mapa Professional aims to help end users check the food compliance of each glove according to the foods they actually handle, strictly in line with **European** and **national** regulations.

By providing the test results for all of the gloves in its **Food Expert range,** Mapa Professional aims to meet the strictest requirements of its customers' quality systems.

These tests are available on our website

mapa-pro.com

SELECT THE RIGHT GLOVE FOR YOU DEPENDING ON THE FOOD HANDLED

STEP 1 Find the food you handle using the food groups.
STEP 2 Identify the gloves suitable for handling this type of food.

THEN CHECK YOUR GLOVE FOR USE AND COMFORT

STEP 3 Turn to the next page to choose the level of protection required (disposable, thermal protection, cut protection, liquid-proof) and the performance required based on your use.

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FOOD CONTACT: YOUR SELECTION GUIDE

✓ Suitable for contact with this type of food

✓ If **pH > 4.5**, suitable for contact with this type of food
If **pH < 4.5**, unsuitable

✗ Unsuitable for contact with this type of food

STEP 2

		DISPOSABLE GLOVES							Thermal Protection		Handling Protection	Cut Protection		LIQUIDPROOF GLOVES									
		PVC	Natural latex		Nitrile									Natural latex					Nitrile				
STEP 1	YOU ARE HANDLING	SOLO 990	SOLO 988	SOLO PLUS 995	SOLO 967	SOLO 997	SOLO 919	SOLO 980	TEMPCOOK 476	TEMPICE 700	ULTRANE 541/641	ULTRANE 510	KRYTECH 692/ 693/694	KRYTECH 838	VITAL 175	VITAL 177	VITAL 165	JERSETTE 308	HARPON 326	ULTRANITRIL 472	ULTRANITRIL 358	ULTRANITRIL 480	ULTRANITRIL 475	ULTRANITRIL 495
DRINKS	Non-alcoholic beverages or alcoholic beverages of an alcoholic strength lower than or equal to 6% vol. clear	✓	✓	✓	✓	✓	✓	✓	✓	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Non-alcoholic beverages or alcoholic beverages of an alcoholic strength lower than or equal to 6% vol. cloudy	✗	✓	✗	✓	✓	✓	✓	✓	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Alcoholic beverages of an alcoholic strength of between 6% vol. and 20%	✓	✓	✓	✓	✓	✓	✓	✓	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Alcoholic beverages of an alcoholic strength above 20%	✗	✓	✗	✓	✓	✓	✓	✓	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
CEREALS, STARCH, SUGAR, CHOCOLATE AND BY-PRODUCTS	Starches, cereals, flour, meal, dry pasta e.g. macaroni, spaghetti and similar products and fresh pasta	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Biscuits, pastry, cakes and other bakery products, dry, sugar and confectionery products in solid form; without fatty substances	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Biscuits, pastry, cakes and other bakery products and confectionery products in solid form; with fatty substances, chocolate, substitutes and products coated	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗	✓	✓	✓	✓	✓	✓	✗	✓	✓	✓	✓	✓
	Confectionery products in moist past form	✓	✓	✓	✓	✓	✓	✓	✓	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Molasses, sugar syrups, honey	✗	✓	✓	✓	✓	✓	✓	✓	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Confectionery products with fatty substances on the surface	✗	✓	✗	✓	✓	✓	✓	✓	✗	✓	✗	✓	✓	✓	✓	✓	✓	✗	✗	✓	✓	✓	✓
FRUITS, VEGETABLES AND BY-PRODUCTS	Whole fruit, fresh or chilled, unpeeled; dried or dehydrated fruits; nuts shelled and roasted	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Fresh vegetables, peeled or cut	✗	✓	✓	✓	✓	✓	✓	✓	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Processed: cut, in the form of purées, paste or preserved in an aqueous medium, including pickled and in brine	✓	✓	✓	✓	✓	✓	✓	✓	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Processed in an alcoholic medium	✗	✓	✗	✓	✓	✓	✓	✓	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Preserved vegetables in an oily medium	✗	✗	✗	✓	✓	✓	✓	✓	✗	✓	✗	✓	✓	✓	✗	✗	✗	✗	✓	✓	✓	✓	✓
	Preserved fruits in an oily medium	✗	✗	✗	✓	✓	✓	✓	✓	✗	✓	✗	✓	✓	✓	✗	✗	✗	✗	✓	✓	✓	✓	✓
	Nuts in paste or cream form	✗	✗	✗	✓	✓	✓	✓	✓	✗	✓	✗	✓	✓	✓	✗	✗	✗	✗	✓	✓	✓	✓	✓
FAT AND OILS	Animal or vegetable, natural or treated	✗	✗	✗	✓	✓	✓	✓	✓	✗	✓	✗	✓	✓	✓	✗	✗	✗	✗	✓	✓	✓	✓	✓
	Water emulsions in oil (margarine, butter)	✗	✓	✗	✓	✓	✓	✓	✓	✗	✓	✗	✓	✓	✓	✓	✓	✗	✗	✓	✓	✓	✓	✓
ANIMAL PRODUCTS AND EGGS	Crustaceans and molluscs not naturally protected by their shells, preserved fish in an aqueous medium	✓	✓	✓	✓	✓	✓	✓	✓	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Crustaceans and molluscs not naturally protected by their shells, preserved fish in an oily medium, marinated meat products in an oily medium	✗	✗	✗	✓	✓	✓	✓	✓	✗	✓	✗	✓	✓	✓	✗	✗	✗	✗	✓	✓	✓	✓	✓
	Crustaceans and molluscs fresh within the shell	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Fresh fish, chilled, salted, smoked or in the form of paste	✗	✓	✓	✓	✓	✓	✓	✓	✗	✓	✗	✓	✓	✓	✓	✓	✓	✗	✓	✓	✓	✓	✓
	Meat of all zoological species, fresh, chilled, salted, smoked or in the form of paste, creams	✗	✓	✓	✓	✓	✓	✓	✓	✗	✓	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Preserved and part-preserved meat in an aqueous medium	✗	✓	✗	✓	✓	✓	✓	✓	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Preserved and part-preserved meat in an oily medium	✗	✓	✓	✓	✓	✓	✓	✓	✗	✓	✗	✓	✓	✓	✓	✓	✓	✗	✓	✓	✓	✓	✓
	Eggs, egg yolks, whites of eggs in a powdered or dried or frozen form	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Eggs, egg yolks, whites of eggs in a liquid or cooked form	✗	✓	✗	✓	✓	✓	✓	✓	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
DAIRY PRODUCTS	Whole, skimmed or partly dried milk	✗	✓	✗	✓	✓	✓	✓	✓	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Fermented milk (yoghurt, butter milk), cream and sour cream	✗	✓	✗	✓	✓	✓	✓	✓	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Natural cheese without rind or with edible rind and melting cheese	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗	✓	✓	✓	✓	✓	✓	✗	✓	✓	✓	✓	✓
	Whole cheeses with non-edible form	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Processed cheese (soft cheese), preserved cheese in an aqueous medium (mozzarella...)	✗	✓	✗	✓	✓	✓	✓	✓	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Preserved cheese in an oily medium	✗	✗	✗	✓	✓	✓	✓	✓	✗	✓	✗	✓	✓	✓	✗	✗	✗	✗	✓	✓	✓	✓	✓
	Milk powder including infant formula	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
DRESSING	Sauces with aqueous character	✓	✓	✓	✓	✓	✓	✓	✓	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Sauces with fatty character (e.g. mayonnaise, salad creams...)	✗	✗	✗	✓	✓	✓	✓	✓	✗	✓	✗	✓	✓	✓	✗	✗	✗	✗	✓	✓	✓	✓	✓
	Mustard	✗	✓	✓	✓	✓	✓	✓	✓	✗	✓	✗	✓	✓	✓	✓	✓	✓	✓	✗	✓	✓	✓	✓
	Vinegar	✓	✗	✗	✗	✓	✓	✓	✓	✗	✓	✓	✓	✓	✓	✓	✓	✗	✓	✓	✓	✓	✓	✓
MIXED FOOD PREPARATIONS	Sandwiches, toasted bread, pizza containing any kind of foodstuff with fatty substances on the surface	✗	✓	✓	✓	✓	✓	✓	✓	✗	✓	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Sandwiches, toasted bread, pizza containing any kind of foodstuff but without fatty substances on the surfacee	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Soups, sauces, broths powdered or dried with fatty characters (including yeast)	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Soups, sauces, broths powdered or dried but without fatty characters (including yeast)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Soups, sauces, broths in any other form with fatty characters (including yeast)	✗	✓	✓	✓	✓	✓	✓	✓	✗	✓	✗	✓	✓	✓	✓	✓	✓	✗	✓	✓	✓	✓	✓
	Soups, sauces, broths in any other form but without fatty characters (including yeast)	✓	✓	✓	✓	✓	✓	✓	✓	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Fried or roasted foods of plant origin (potatoes or donut)	✗	✓	✓	✓	✓	✓	✓	✓	✗	✓	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Fried or roasted foods of animal origin	✗	✓	✓	✓	✓	✓	✓	✓	✗	✓	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
OTHERS	Dried foods with fatty substances on the surface	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Dried foods without fatty substances on the surface	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Herbs, spices, aromatic herbs, coffee and coffee substitutes, granulated or powdered	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Spices and seasoning in oily medium	✗	✗	✗	✓	✓	✓	✓	✓	✗	✓	✗	✓	✓	✓	✗	✗	✗	✗	✓	✓	✓	✓	✓
	Cocoa powder	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Cocoa paste	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗	✓	✓	✓	✓	✓	✓	✗	✓	✓	✓	✓	✓
	Concentrated extracts of an alcoholic strength equal to or exceeding 6% vol.	✗	✓	✗	✓	✓	✓	✓	✓	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Frozen or deep-frozen foods	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Ice-creams	✓	✓	✓	✓	✓	✓	✓	✓	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

FOOD EXPERT RANGE

HOW FOOD REGULATION WORKS?

There are 2 types of regulation:

PLASTICS	RUBBER
EU 10/2011 regulation. **Ex: PVC, Synthetic textile, Polyurethane.**	**National laws define test methods to be used to have food compliance.**

France
Arrêté du 5/08/2020

Italy
Decreto Ministeriale 21/03/1973

Germany
BfR XXI, category 3

European food regulation and national laws are based on 3 common principles:

Step 1 — Positive list of authorized ingredients

Step 2 — Specific migrations restrictive substances

Step 3 — Global migrations in food simulant : these tests set manipulation restrictions

Each step is necessary to get to go to the next step, these are the constraints to obtain the food certification.
Mapa Professional guarantees the respect of legislation according to European regulation.

DISPOSABLE GLOVES

POLYMER PVC / VINYL	POLYMER NATURAL LATEX		POLYMER NITRILE			
FINISH POWDER FREE	FINISH POWDERED	FINISH CHLORINATED	FINISH POWDER FREE	FINISH CHLORINATED		FINISH EASY DONNING TREATMENT
SOLO 990	**SOLO 988**	**SOLO PLUS 995**	**SOLO 967**	**SOLO 997**	**SOLO 919**	**SOLO 980**
						
The good value for precise movements in food handling	**The perfect protection for light food handling**	**The ideal protection for light food handling**	**Great value for light handling of oily food Supplied in bags or boxes**	**Good mechanical resistance, fingers sensitivity for handling of oily foods**	**Excellent mechanical resistance, ideal in oily environments**	**Excellent mechanical resistance with very good chemical protection, ideal for various environments**
External finish **Smooth** Size **6 7 8 9** Length **24 cm** Thickness **0.07 mm**	External finish **Smooth** Size **6 7 8 9** Length **24 cm** Thickness **0.08 mm**	External finish **Smooth with pebbled fingertips** Size **6 7 8 9** Length **24 cm** Thickness **0.10 mm**	External finish **Smooth with pebbled fingertips** Size **6 7 8 9** Length **24 cm** Thickness **0.07 mm**	External finish **Smooth with pebbled fingertips** Size **6 7 8 9** Length **24 cm** Thickness **0.10 mm**	Internal finish **Easy donning treatment** External finish **Pebbled** Size **6 7 8 9** Length **29-30 cm** Thickness **0.10 mm**	External finish **Pebbled** Size **6 7 8 9 10 11** Length **30 cm** Thickness **0.20 mm**
See food compatibility chart, p. 56	See food compatibility chart, p. 56	See food compatibility chart, p. 56	See food compatibility chart, p. 56	See food compatibility chart, p. 56	See food compatibility chart, p. 56	See food compatibility chart, p. 56
CAT 3	CAT 3	CAT 3	CAT 3	CAT 3	CAT 3	CAT 3
EN ISO 374-1 TYPE C EN ISO 374-5 VIRUS	EN ISO 374-1 TYPE C EN ISO 374-5	EN ISO 374-1 TYPE C EN ISO 374-5	EN ISO 374-1 TYPE C EN ISO 374-5	EN ISO 374-1 TYPE B EN ISO 374-5 JKT VIRUS	EN ISO 374-1 TYPE B EN ISO 374-5 JKT VIRUS	EN ISO 374-1 TYPE B EN 421 EN ISO 374-5 JKPT VIRUS
x100 gloves x1000 gloves					x100 gloves x1000 gloves	x50 gloves x500 gloves

FOOD EXPERT RANGE

HOW CAN YOU REFINE YOUR CHOICE?

1 **WEAR TIME**

Identifies the comfort level required by the operator. **The longer the wear time, the more comfortable the glove needs to be** (perspiration, flexibility/fatigue).

- **short** wear (Chlorinated interior finish)
- **intermittent** wear (Flocked interior finish)
- **continuous** wear (Fabric-lined interior finish)
- **ultra-comfort** wear (MAPA exclusive technology providing greater flexibility)

2 **MATERIAL**

Materials guide for disposable and liquid-proof gloves.

Natural latex
Flexibility, comfort and value for money.

Nitrile
Strength, durability, handling of oily foods with no risk of allergies.

THERMAL PROTECTION		HANDLING PROTECTION		CUT PROTECTION			
MATERIAL **NITRILE**		MATERIAL **WATER-BASED POLYMER**	MATERIAL **NITRILE**	MATERIAL **TEXTILE FIBRE**	MATERIAL **NITRILE**		
CONTACT TIME **prolonged** 80°C 1min50s 100°C 1min 125°C 38s 250°C* 18s	**high-performance** SERVICE LIFE TEMPERATURE **-10°C**	**long** SERVICE LIFE	**high-performance** SERVICE LIFE	**short** SERVICE LIFE	**long** SERVICE LIFE		
TEMPCOOK 476	**TEMPICE 700**	**ULTRANE 510**	**ULTRANE 541**	**KRYTECH 838**	**KRYTECH 692**	**KRYTECH 693**	**KRYTECH 694**
Hygiene and effective thermal protection - 100% liquid-proof	**Dexterity and comfort for optimised thermal protection and durability**	**Optimal comfort, high level of breathability and durability**	**Comfort and dexterity compliant with all type of foods**	**Reinforced cut protection for the food industry - Ambidextrous**	**Light cut protection with second skin effect for optimal comfort and dexterity thanks to its 18 gauge. Yellow for a better visibility of the wearer**	**Moderate cut protection with second skin effect for optimal comfort and dexterity thanks to its 18 gauge**	**High cut protection with second skin effect for optimal comfort and dexterity thanks to its 18 gauge**
Internal finish **Knitted thermal protection** External finish **Non-slip embossed** Size **7(S) 9(M) 10(L)** Length **45 cm**	Internal finish **Double seamless knitted textile support** Gauge **10 for internal seamless** Gauge **15 for external seamless** External finish **3/4 smooth nitrile coating with sandy nitrile on the palm and fingers** Cuff **Knitted wrist** Size **7 8 9 10** Length **24-27 cm** Washable **x5**	Liner **Seamless knitted textile support** Gauge **13** Coating **Polymer coating with aqueous base on palm and fingers** Cuff **Knitted wrist** Size **6 7 8 9 10 11** Length **22-27 cm** Washable x**1**	Liner **Seamless knitted textile support** Gauge **15** Coating **Foam nitrile coating with sandy finish on palm and fingers** Cuff **Knitted wrist** Size **6 7 8 9 10 11** Length **22-28 cm** Washable **x1**	Internal finish **Seamless textile support in HDPE fibres** Gauge **10** Cuff **Knitted wrist** Size **6 7 8 9 10 11** Length **34 cm** Washable **x20**	Liner **Seamless knitted textile support in composite and HDPE fibres** Gauge **18** Coating **Foam nitrile coating on palm and fingers** Cuff **Knitted wrist** Size **6 7 8 9 10 11** Length **24-29 cm** Washable **x1**	Liner **Seamless knitted textile support in composite and HDPE fibres** Gauge **18** Coating **Foam nitrile coating on palm and fingers** Cuff **Knitted wrist** Size **6 7 8 9 10 11** Length **24-29 cm** Washable **x1**	Liner **Seamless knitted textile support in composite and HDPE fibres** Gauge **18** Coating **Foam nitrile coating on palm and fingers** Cuff **Knitted wrist** Size **6 7 8 9 10 11** Length **24-29 cm** Washable x**1**
See food compatibility chart, p. 56	See food compatibility chart, p. 56	OEKO TEX® STANDARD 100 CQ 979/2 IFTH See food compatibility chart, p. 56	OEKO TEX® STANDARD 100 CQ 979/2 IFTH See food compatibility chart, p. 56	See food compatibility chart, p. 56	See food compatibility chart, p. 56	See food compatibility chart, p. 56	See food compatibility chart, p. 56
CAT 3	CAT 2	CAT 2	CAT 2	CAT 2	CAT 2	CAT 2	CAT 2
EN 388 4443D EN 511 111 EN 407 X2XXXX EN ISO 374-1 TYPE A AFGJOT EN ISO 374-5	EN 388 3222X EN 511 02X	EN 388 4131X	EN 388 4121A EN 407 X1XXXX	EN 388 2X4XE ISO 13997: 24.2 N	EN 388 3X42B ISO 13997: 9.1N	EN 388 4X42C EN 16350 ISO 13997: 14.5N	EN 388 4X42D EN 16350 ISO 13997: 18N
x1 x6	x1 x12 x72	x1 x12 x96	Only 641 x1 x12 x96	x1 glove x10 gloves	x1 x12 x48	x1 x12 x48	

*At 250°C the glove can become stiffer and the color might change, without altering the product performances.

FOOD EXPERT RANGE

HOW CAN YOU REFINE YOUR CHOICE?

1 WEAR TIME

Identifies the comfort level required by the operator. **The longer the wear time, the more comfortable the glove needs to be** (perspiration, flexibility/fatigue).

- **short** wear
  (Chlorinated interior finish)
- **intermittent** wear
  (Flocked interior finish)
- **continuous** wear
  (Fabric-lined interior finish)
- **ultra-comfort** wear
  (MAPA exclusive technology providing greater flexibility)

2 MATERIAL

Materials guide for disposable and liquid-proof gloves.

Natural latex
Flexibility, comfort and value for money.

Nitrile
Strength, durability, handling of oily foods with no risk of allergies.

FSC www.fsc.org FSC® N004702
The mark of responsible forestry

NEW:
Discover our range of FSC® certified latex gloves.

LIQUIDPROOF GLOVES

MATERIAL: NATURAL LATEX				MATERIAL: NITRILE				
short WEAR	intermittent WEAR	continuous WEAR		short WEAR		intermittent WEAR		ultra-comfort WEAR
VITAL 175	**VITAL 165**	**JERSETTE 308**	**HARPON 326**	**ULTRANITRIL 472**	**ULTRANITRIL 480**	**ULTRANITRIL 475**	**ULTRANITRIL 495**	**ULTRANITRIL 358**
 *FSC™ certified for 175 only					 Long sleeve			ADVANCED GRIP TECHNOLOGY 
Dexterity and flexibility for light aggressive environments	Light glove, supple and flexible	Comfortable and suitable for long-term work	Comfort and safety for gripping bulky, slippery foods	Fingertip precision for handling oily foods	Forearm protection for safe handling of oily foods	Liquid-proof and strong for handling oily foods	The lasting solution for safe handling of oily foods	Designed with an embedded optimal grip to safely handle tasks in dry & greasy environments
Internal finish **Chlorinated**	Internal finish **Flocked**	Internal finish **Textile support**	Internal finish **Textile support**	Internal finish **Easy donning treatment**	Internal finish **Chlorinated**	Internal finish **Flocked**	Internal finish **Flocked**	Internal finish **Textile support**
External finish **Non-slip embossed**	External finish **Non-slip embossed**	External finish **Smooth**	External finish **Reinforced grip**	External finish **Pebbled**	External finish **Non-slip embossed**	External finish **Non-slip embossed**	External finish **Non-slip embossed**	External finish **Optimal grip**
Size **6 7 8 9 10**	Size **7 8 9 10**	Size **6 7 8 9 10**	Size **6 7 8 9 10**	Size **6 7 8 9 10**	Size **7 8 9 10 11**	Size **6 7 8 9 10**	Size **5 6 7 8 9 10**	Size **6 7 8 9 10 11**
Length **31 cm**	Length **30 cm**	Length **30-32 cm**	Length **32 cm**	Length **31 cm**	Length **46 cm**	Length **31 cm**	Length **32 cm**	Length **36 cm**
Thickness **0.40 mm**	Thickness **0.29 mm**	Thickness **1.15 mm**	Thickness **1.35 mm**	Thickness **0.20 mm**	Thickness **0.55 mm**	Thickness **0.34 mm**	Thickness **0.38 mm**	Thickness **1.1 mm**
175 177 See food compatibility chart, p. 56	See food compatibility chart, p. 56	See food compatibility chart, p. 56	See food compatibility chart, p. 56	See food compatibility chart, p. 56	See food compatibility chart, p. 56	See food compatibility chart, p. 56	See food compatibility chart, p. 56	See food compatibility chart, p. 56
CAT 3	CAT 3	CAT 1	CAT 3	CAT 3	CAT 3	CAT 3	CAT 3	CAT 3
EN 388 0010X; EN 421:2010; EN ISO 374-1 TYPE B KPT; EN ISO 374-5 VIRUS* (*VITAL 175)		EN 388 2131X; EN ISO 374-1 TYPE B KPT; EN 407 X1XXXX	EN 388 3141X; EN ISO 374-1 TYPE B KPT; EN 407 X2XXXX	EN 388 2101X; EN ISO 374-1 TYPE B JOT; EN ISO 374-5 VIRUS; EN 421	EN 388 4102X; EN ISO 374-1 TYPE A AJKOPT; EN ISO 374-5; ISO 18889 G2	EN 388 3001X; EN ISO 374-1 TYPE B JOT; EN ISO 374-5	EN 388 3101X; EN ISO 374-1 TYPE A AJKOPT; EN ISO 374-5	EN 388 3111A; EN ISO 374-1 TYPE A AJKLOPT; EN 407 X1XXXX; EN ISO 374-5; ISO 18889 G2
x1 x10 x100		x1 x5 x50		x10 x100	x1 x12	x12 x72	x1 x10 x100	x1 x10 x100

CRITICAL ENVIRONMENT PROTECTION

Mapa Professional gloves ensure **maximum protection for both operators and sensitive products** by **minimizing contamination risks** and **preserving product integrity.**

Through advanced manufacturing techniques and strict **quality controls**, they meet the demanding **standards of cleanrooms and controlled environments** in industries such as electronics, pharmaceuticals, and biotechnology.

Our range is **ISO Class 5** according to ISO 14644-1:2015, ensuring **compatibility with cleanroom environments** requiring the highest levels of cleanliness.

These gloves delivers the perfect balance between safety, cleanliness, and high performance, tailored for critical applications.

QUALITY GUARANTEED AT EVERY STAGE OF PRODUCTION

- Mapa Professional uses its own post-manufacturing cleaning process and clean rooms to maintain a level of product and packaging quality that meets requirements for cleanliness and sterility.
- All manufacturing sites have ISO 9001 certification.
- The levels of glove cleanliness are tested periodically to ensure that the production quality of these gloves intended for use in critical environments complies with established specifications.
- Each chemical protection glove is tested using appropriate methods to detect any sealing defects so as to maintain operator safety.
- The chemical resistance checks comply with ASTM standards and EN 16523-1:2015, providing users with the information they need to choose a suitable glove for a given application.

YOUR PRIORITIES ARE OUR PRIORITIES

- Improving user effectiveness, productivity and safety by designing gloves that are ever-more effective and safe to use
- Increasing production yields by reducing the amount of contaminants in products

CONTROLLED ENVIRONMENT (CLEAN ROOMS)

ADVANTECH 529

Reinforced mechanical resistance for short-duration operations

Material
Nitrile

Internal finish
Chlorinated

External finish
Smooth with pebbled fingertips

Size
5 6 7 8 9 10

Length
30 cm

Thickness
0.10 mm

CAT 3

EN ISO 374-1 TYPE B — JKT

EN ISO 374-5

EN 421:2010

ADVANTECH 519

The chemical protection of nitrile combined with excellent mechanical resistance

Material
Nitrile

Internal finish
Chlorinated

External finish
Non-slip embossed

Size
7 8 9 10

Length
33 cm

Thickness
0.28 mm

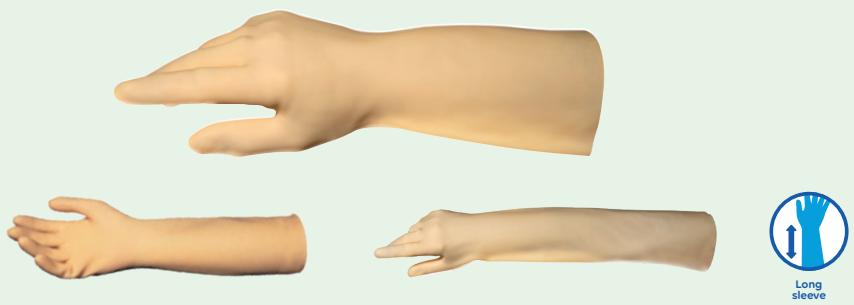
CAT 3

EN 388 — 2001X

EN ISO 374-1 TYPE B — JOT

EN ISO 374-5

ADVANTECH 517



ADVANTECH 514 — ADVANTECH 522

An exclusive, comfortable tripolymer for optimal mechanical and chemical resistance

Material
Mixed formulas (latex, polychloroprene (neoprene) and nitrile)

ADVANTECH 514	ADVANTECH 517	ADVANTECH 522
Internal finish **Chlorinated**	Internal finish **Chlorinated**	Internal finish **Chlorinated**
External finish **Non-slip embossed**	External finish **Non-slip embossed**	External finish **Non-slip embossed**
Size **7 8 9 10**	Size **6 7 8 9 10**	Size **8 9 10**
Length **38 cm**	Length **36 cm**	Length **62.5 cm**
Thickness **0.50 mm**	Thickness **0.50 mm**	Thickness **0.50 mm**

CAT 3

EN 388 — 1110X

EN ISO 374-1 TYPE B — KST

EN ISO 374-5

x100 gloves / x1000 gloves	x1 / x12 / x72	x1 / x12 / x72	x1 / x6 / x48

PACKAGING INFORMATION

Ref.	Pair/Bag	Gloves/ Box	Pairs/ Masterbag	Pairs/ Carton	Page Nr
115	1	-	10	100	17
117	1	-	10	100	17
124	1	-	10	100	17
165	1	-	10	100	17, 63
175	1	-	10	100	17, 63
177	1	-	10	100	17, 63
180	1	-	10	100	17
258	1	-	10	100	19
260	1	-	10	50	21
285	1	-	-	30	21
298	1	-	5	50	21
299	1	-	5	50	21
300	1	-	5	50	19
301	1	-	5	50	19
307	1	-	5	50	41
308	1	-	5	50	19, 63
315	1	-	5	50	41
319	1	-	5	50	41
321	1	-	5	50	21
325	1	-	5	50	21
326	1	-	5	50	63
328	1	-	12	96	41
330	1	-	5	50	41
332	1	-	-	6	55
339	1	-	-	6	27
340	-	-	5	50	27
341	-	-	5	50	27
344	1	-	-	1	29
351	-	-	12	72	17
358	-	-	12	72	25, 63
369	-	-	5	50	17
375	1	-	5	50	39
377	-	-	5	50	25
380	1	-	6	48	51
381	-	-	12	72	25
382	-	-	12	72	27
383	-	-	10	100	39
388	-	-	10	100	39
395	1	-	-	12	51
397	1	-	10	100	39
401	-	-	12	72	27
405	1	-	10	100	19
407	1	-	6	48	27
410	-	-	12	48	23
414	1	-	-	12	27
415	1	-	10	100	19
420	-	-	12	72	27
450	-	-	12	72	27
454	-	-	10	50	23
458	1	-	10	100	23
468	1	-	-	1	29
472	-	-	10	100	23, 63
475	-	-	12	72	23, 63
476	1	-	-	6	55, 61
480	1	-	-	12	25, 63
485	-	-	12	72	23
491	-	-	10	50	23
492	1	-	10	100	23
492 polybag	-	-	10	100	23
493	1	-	12	48	25
495	1	-	10	100	23, 63
500	1	-	12	96	37
500 VM	1	-	12	96	37
510	1	-	12	96	35, 61
514	1	-	12	72	65
517	1	-	12	72	65
519	1	-	12	72	65
520	1	-	10	100	17
522	1	-	6	48	65
524	1	-	12	96	35
525	1	-	12	96	37
525 polybag	-	-	12	96	37
526	1	-	12	96	37
527	1	-	12	96	37
529	-	-	100 gloves	1000 gloves	65
532	-	-	6	72	53

Ref.	Pair/Bag	Gloves/ Box	Pairs/ Masterbag	Pairs/ Carton	Page Nr
538	-	-	6	48	53
538 VM	-	-	12	48	53
540	1	-	10	100	17
541	-	-	12	96	37, 61
544	1	-	12	96	37
548	1	-	12	96	35
548 VM	1	-	12	96	35
549	1	-	12	96	35
549 VM	1	-	12	96	35
550	1	-	10	100	35
550 VM	1	-	10	100	35
551	1	-	10	100	35
553	1	-	10	100	37
557	1	-	10	50	43
558	1	-	12	96	43
563	1	-	12	96	45
574	-	-	12	48	49
578	1	-	12	48	43
579	1	-	12	96	43
579 polybag	-	-	12	96	43
579 VM	1	-	6	96	43
580	1	-	12	48	49
582	1	-	12	48	49
584	1	-	12	96	43
585	1	-	12	48	49
586	1	-	12	48	47
588	1	-	12	48	45
599	1	-	12	48	49
600	1	-	12	48	49
603	-	-	6	72	53
609	1	-	12	48	43
610	1	-	12	48	45
615	1	-	12	48	47
622	1	-	12	48	47
641	1	-	12	96	37, 61
642	1	-	12	48	45
643	1	-	12	48	45
644	1	-	12	48	47
645	1	-	12	48	47
648	1	-	12	96	35
650	1	-	-	6	29
651	1	-	-	6	29
652	1	-	-	6	29
664	1	-	-	48	37
681	1	-	12	48	35
692	1	-	12	48	45, 61
693	1	-	12	48	45, 61
694	1	-	12	48	47, 61
700	1	-	12	72	55, 61
710	1	-	10	50	55
720	1	-	12	72	55
780	1	-	-	48	55
809	1	-	12	48	43
815	1	-	12	48	47
832	1	-	12	72	51
833	-	-	10	100	39
836	1	-	12	48	51
837	-	-	12	48	51
838	1 glove	-	-	10 gloves	47, 61
840	1	-	12	72	51
850	1	-	12	48	41
851	1	-	12	48	51
852	1	-	12	48	41
853	1	-	12	48	51
919	-	100 gloves	-	1000 gloves	33, 59
967	-	100 gloves	-	1000 gloves	33, 59
977	-	100 gloves	-	1000 gloves	33
980	-	50 gloves	-	500 gloves	33, 59
985	-	100 gloves	-	1000 gloves	31
988	-	100 gloves	-	1000 gloves	31, 59
990	-	100 gloves	-	1000 gloves	31, 59
994	-	100 gloves	-	1000 gloves	31
995	-	100 gloves	-	1000 gloves	31, 59
997	-	100 gloves	-	1000 gloves	33, 59
998	-	100 gloves	-	1000 gloves	31
999	-	100 gloves	-	1000 gloves	33

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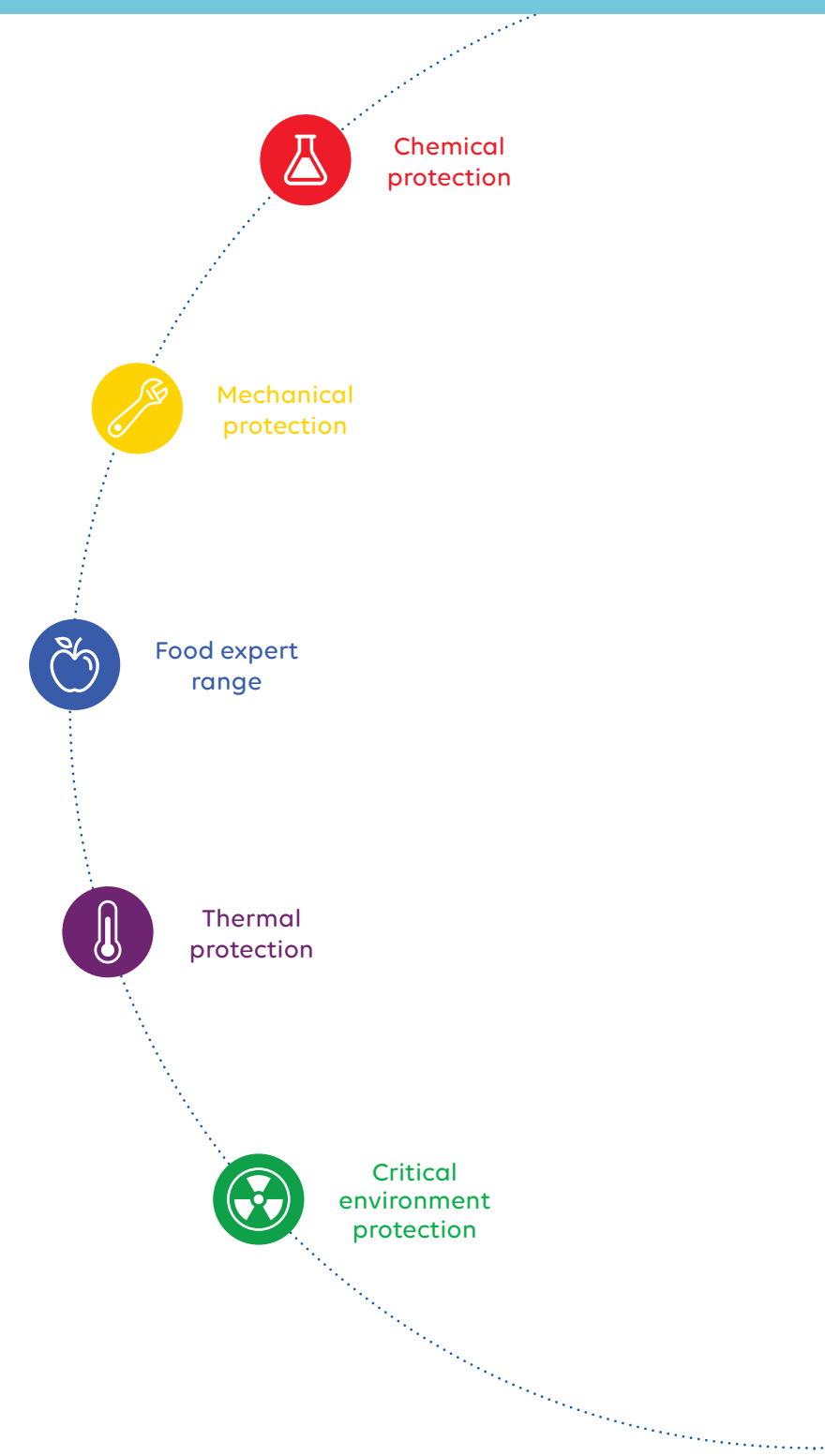

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