



CATALOGUE 2021-2022

PROTECTIVE GLOVES

A solution
for every hand
that works

MAPA[®]
PROFESSIONAL

A SOLUTION FOR EVERY HAND THAT WORKS

Mapa Professional is committed to offering **companies innovative** solutions for protecting the hands which meet users' needs.

Our brand is involved in **the health and safety** of users at their workplace.

Our offer meets requirements for **comfort and protection** for most risks in the professional environment.

PROTECTION OF THE HAND MAPA PROFESSIONAL BEYOND THE GLOVE

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



1 Customer Engineering Department

stc.mapaspontex@newellco.com



2 R&D centres

(60 engineers and technicians)



Integrated production

(3 factories worldwide)



1 Application laboratory

With tests exclusive to MAPA Professional which reproduce actual conditions of use over and above those specified in the framework (Grip, durability, dexterity, contact heat).

HOW TO READ THIS CATALOGUE?

Step 1: Identify your protection needs



PAGE 10

Chemical protection
Disposable
Reusable



PAGE 28

Mechanical protection
Cut protection
Handling protection



PAGE 44

Thermal protection



PAGE 46

Food expert range



PAGE 54

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 361	TELSOL 351	VITAL 175	VITAL 520	VITAL 115	VITAL 210	VITAL 180
Long-lasting 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	Precision dexterity in non-aggressive environments Colour-coding to increase safety	The effective response to contact with aggressive detergents	Dexterity and better resistance to oils and greases

How to read the pictograms?



MANUFACTURE

Fitting, Assembling a part
Paint spraying
Handling chemical compounds
Manufacturing composites
Handling chemical drums



AERONAUTICS

Work with composite materials (resins)



TRANSPORT

Maintenance of transport routes:
rail - automobile - maritime - air



HEALTH

Pharmaceutical preparation
Medical manufacturing
Research
Hospitals and clinics



FOOD AND DRINK INDUSTRY

Food handling and preparations



CONSTRUCTION INDUSTRY

Handling construction materials,
glazing



MARITIME

Cultivation of fishing products



AGRICULTURE

Handling of diluted and
concentrated pesticides
Re-entry tasks



ENERGY

Nuclear, wind turbine,
petrochemical industries



CLEANING

Handling of detergents
Industrial cleaning
Small general maintenance jobs

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 the users.

That means that PPE must protect up to the required levels without compromising the user's health.

Harmonized 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 for the risks for which the product is intended to protect.

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 at this same date.

Regulation (EU) 2016/425 & 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 the manufacturers or importers and conformity procedures to affix the CE marking on PPE.

Directive 89/656/EEC is dedicated to the professional users of PPE. It lays down the responsibilities of the employers to supply and ensure a safe use of adequate CE-marked PPE by their employees.

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 & CAT 3. CE-certificate of conformity obtained from a Notified Body.

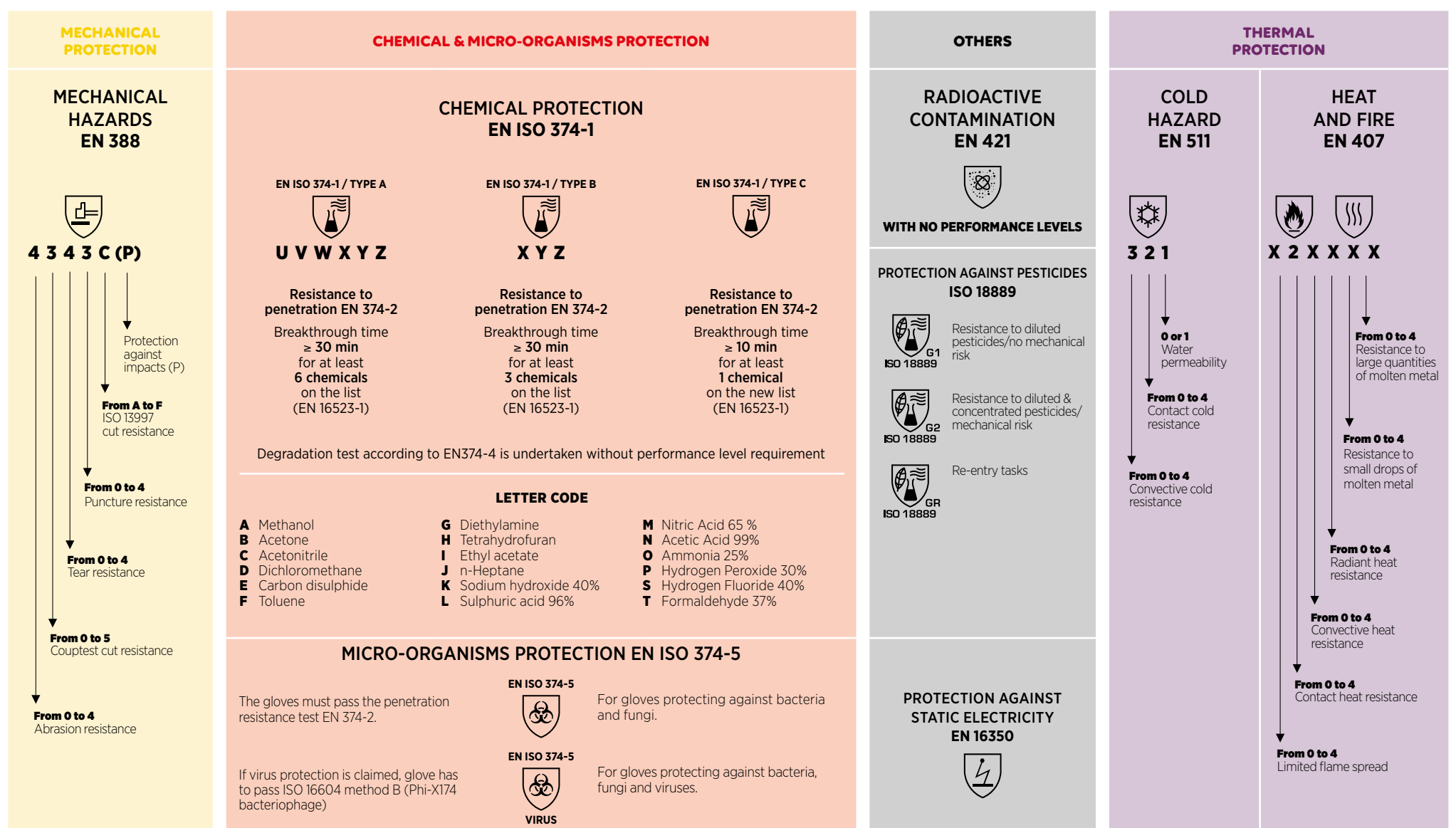
CAT 3

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



How to read the standards?

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



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

Standards information

PROTECTION AGAINST PESTICIDES




ISO 18889: 2019 STANDARD

Protective gloves for pesticide operators and re-entry workers

BACKGROUND


Workers in farm & agriculture sectors are frequently exposed to numerous pesticides hazardous to health. These chemicals should be handled with precautions. Hand protection is fundamental as our hands are the main route of contamination. Gloves are necessary to protect against risks while maintaining comfort, ease of movement and dexterity. This standard establishes minimum performance, classification, and labelling requirements for gloves worn by operators handling pesticide products and re-entry workers.

GLOVE CLASSIFICATION
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  ISO 18889 Handling diluted pesticides No mechanical risk	G2 gloves  ISO 18889 Handling diluted or concentrated pesticides Minimum mechanical resistance requirement	GR gloves  ISO 18889 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

STATIC ELECTRICITY

Which standard deals with electrostatic properties?

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

ESD : MAPA PROFESSIONAL POSITION

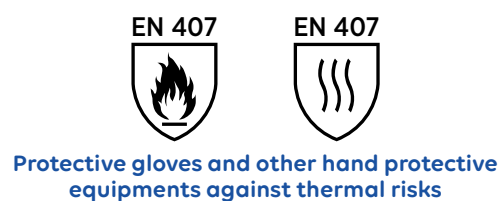
Working in ATEX zones or handling electronic devices, both areas have the same need for suitable gloves : they must be dissipative. As there is no standard for ESD gloves, at MAPA PROFESSIONAL we decided to refer to the EN 16350 (ATEX gloves). This standard is very strict, so a glove complying to EN 16350 will be suitable for handling electronic devices.





Standards changes

EN 407

The **EN 407** standard was revised in 2020.

The main reason for the revision is the **inclusion of thermal protection article for private use** (oven gloves, potholders, etc.) in the new PPE regulation (EU) 2016/425. The performance levels remain **unchanged!**



BEFORE	NOW	BEFORE	NEW NOW
GLOVES RESISTANT TO FLAME			
 321XXX	 321XXX NO CHANGE	The performance levels were based on the average value of test results No mechanical resistance requirement	The performance levels are based on the lowest value of test results Introduction of a minimum mechanical resistance: minimum level 1 (10N) for tear resistance - EN 388
GLOVES NOT RESISTANT TO FLAME			
 X2XXXX	 X2XXXX	Minimum length required by EN 420: 2004 Issue with flame test with leather gloves	Higher minimum requirement of length for gloves that offer protection from metal projection Test is now reliable



EN ISO 21420

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

This updated standard newly specifies the general requirements and test methods for glove design and construction, safety, comfort and performance, as well as marking and information provided by the manufacturer applicable to all protective gloves.

The new **EN ISO 21420** additionally applies to:

- ▶ mittens
- ▶ pot holders
- ▶ arm protectors

NEW INNOCUOUSNESS	NEW ELECTROSTATIC PROPERTIES	NEW GLOVE SIZING	NEW GLOVE MARKING	NEW INSTRUCTIONS OF USE
✔ Limited content of DMFa (Dimethylformamide) in polyurethane (PU) gloves. It shall not exceed 1 000 mg/kg ✔ Limited content of Polycyclic Aromatic Hydrocarbons (PAHs) in the rubber or plastic materials. It shall not exceed 1 mg/kg	✔ For ATEX area new pictogram EN 16350  The electrostatic properties shall be tested according to the EN 16350 standard (test method EN1149-2)	✔ For other electrostatic properties no pictogram EN 1149-1 or EN 1149-3 test methods should be used	✔ No more minimum length required Sizes of gloves are defined with respect to the sizes of the hands they are to fit!	For a better manufacturing batch traceability, gloves shall be marked with: ✔ Manufacturing date at least the month and year ✔ If applicable, obsolescence date behind the  pictogram
Donning, doffing & glove adjustment instructions Comfort & hygiene Protection from contamination Natural rubber content warning No more mandatory* on instructions of use: list of substances that can cause allergies (other than rubber) <i>*on request</i>				

UNDERSTAND THE SPECIAL FEATURES OF A GLOVE TO IMPROVE 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

Fits to the hand well and protects the wrist.



Straight cuff

Better ventilation of the hand



Rolled cuff

Increased resistance to tearing when putting gloves on



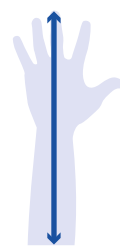
Scalloped cut

Increased service life of the glove

Shapes, sizes and thicknesses

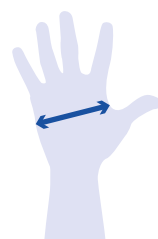
Glove length

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 size

This depends on the circumference of the user's palm, and varies from size 5 to 12. This affects usage comfort.



Glove thickness

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



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.

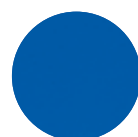


Ambidextrous gloves

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



A number of external finishes according to your needs



Smooth

Does not mark the handled objects



Non-slip embossing

Excellent grip in oily environments



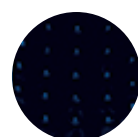
Pebbled

Good grip and minimal glove fouling



Reinforced grip

Excellent grip in wet environment



Dot embossing

Improved thermal insulation

The different types of internal finish

Powdered

Makes it easier to put gloves on and take them off, without having to increase the thickness of the glove.

Chlorinated/Easy donning treatment

Makes it easier to put the gloves on and take them off 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 absorption of perspiration.

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.

The different textile types:

Cotton

Comfort, thermal insulation and absorption of perspiration.

Polyamide

Optimised dexterity (fine, seamless).

Para-aramid

Cutting and heat resistance.

High density polyethylene

Cut-resistance and optimised dexterity.

MAPA TECHNOLOGIES
(SEE NEXT PAGE)



Excellent grip in oily environments
combined with liquidproof protection



Comfort and allows hand to breathe
without compromising durability

UNDERSTAND THE SPECIAL FEATURES OF A GLOVE TO IMPROVE CHOICE

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

1st smooth nitrile layer provides the **oilproofness**

2nd sandy nitrile layer allows a **high level of grip**

GRIP

- Excellent grip when handling oily parts with or without cut risks
- Prevents risks from 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 more longer due to its liquid resistance
- Optimised costs

SKIN PROTECTION

- Impermeable at strategic points
- Protects from irritant oils
- Reduces the risk of eczema and dermatitis to the wearer

Through its expertise and reliable usage tests, MAPA PROFESSIONAL has designed a range of gloves with or without cutting protection, for oily or greasy environments, including the **GRIP&PROOF** technology for **oily** or **greasy** environments. This technology can be found in our **ULTRANE** and **KRYTECH** ranges.

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

A layer of foam nitrile provides **breathability**

A sandy nitrile finishing provides more **breathability** and **resistance**

COMFORT AND BREATHABILITY

- Excellent dexterity at fingertips
- Second skin effect
- Suppleness & flexibility
- Breathability: a better perspiration control thanks to an excellent air circulation

DURABILITY

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

SKIN PROTECTION

- DMF free
- Free from harmful substances
- STANDARD 100 by OEKO-TEX®

Thanks to our expertise and reliable usage tests, MAPA PROFESSIONAL has designed a range of gloves with or without cutting protection for dry environments, including the **RESICOMFORT** technology. This technology can be found in our **ULTRANE** and **KRYTECH** ranges.

NEW PRODUCTS

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

CHEMICAL PROTECTION		MECHANICAL PROTECTION				
<div>VITAL 185</div> <div>CHEMICAL PROTECTION TYPE B</div> <div></div> <div>Precision dexterity in non-aggressive environments Colour-coding to increase safety</div> <div>See page 15</div>	<div>VITAL 186</div> <div>CHEMICAL PROTECTION TYPE B</div> <div></div> <div>Precision dexterity in non-aggressive environments Colour-coding to increase safety</div> <div>See page 15</div>	<div>ULTRANE 648</div> <div></div> <div>Optimal dexterity and sensitivity for light protection. Suitable for touch screens</div> <div>See page 31</div>	<div>ULTRANE 524</div> <div></div> <div>Protection of electronic device from ElectroStatic Discharge (ESD)</div> <div>See page 31</div>	<div>ULTRANE 544</div> <div></div> <div>Protection of electronic device from ElectroStatic Discharge (ESD)</div> <div>See page 33</div>	<div>ULTRANE 641</div> <div></div> <div>Comfort suppleness and high dexterity without any compromise on breathability and durability</div> <div>See page 33</div>	<div>ULTRANE 527</div> <div></div> <div>Detachable fingers glove to avoid hand risk injuries. Comfort suppleness and high dexterity without any compromise on breathability and durability</div> <div>See page 33</div>
CUT PROTECTION						
<div>KRYTECH 578</div> <div>CUT PROTECTION LEVEL B</div> <div></div> <div>Moderate protection for very precise handling in clean and dirty environments</div> <div>See page 39</div>	<div>KRYTECH 810</div> <div>CUT PROTECTION LEVEL C</div> <div></div> <div>A cut protection with a maximum comfort. A seamless plaited glove for very good fit, dexterity and flexibility</div> <div>See page 41</div>	<div>KRYTECH 602</div> <div>CUT PROTECTION LEVEL C</div> <div></div> <div>Ultra-comfortable sleeves designed with an advanced seamless knitting for perfect fit, fresh feel and excellent flexibility that provide moderate cut protection</div> <div>See page 47</div>	<div>KRYTECH 603</div> <div>CUT PROTECTION LEVEL C</div> <div></div> <div>Adjustable and ultra-comfortable sleeves designed with an advanced seamless knitting for perfect fit, fresh feel and excellent flexibility that provide moderate cut protection</div> <div>See page 43</div>	<div>KRYTECH 815</div> <div>CUT PROTECTION LEVEL D</div> <div></div> <div>High cut protection with a maximum comfort A seamless plaited glove for very good fit, dexterity and flexibility</div> <div>See page 43</div>	<div>KRYTECH 642 to 645</div> <div>CUT PROTECTION LEVEL B to E</div> <div></div> <div>Comfort suppleness and high dexterity without any compromise on cut protection, breathability and durability. Suitable for touch screens</div> <div>See pages 39, 41, 43</div>	<div>KRYTECH 837</div> <div>CUT PROTECTION LEVEL E</div> <div></div> <div>High cutting protection designed to ensure comfort, dexterity and durability for heavy handling work</div> <div>See page 49</div>

CHEMICAL PROTECTION

Chemical hazards are not confined to the chemical industry. Many people, in a variety of sectors, are faced with chemical risks when handling products which are aggressive to a greater or lesser extent (oils, acids, solvents, etc.).

More than 100,000 chemical substances are now classified (identified by their CAS number).

In order to meet the wide variety of aggressive situations that exist, Mapa Professional offers a wide range of protective gloves designed using polymers, which behave differently and provide different protection according to the situation.

The results of chemical testing and the different chemical classification indices must not be seen as the only factors when selecting a glove. Actual usage conditions, the contact time with a given chemical, the concentration, the temperature, the usage frequency of a glove and the care conditions can affect glove performance. All of these factors should be taken into account when choosing the right glove.

Refer to our dynamic database, which is constantly updated, and download the chemical resistance tables for our gloves. www.mapa-pro.com



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 TIMES

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	EN374	PVC	NATURAL LATEX	NITRILE	POLY-CHLOROPRENE	BUTYL	FLUORO-ELASTOMER
			Common polymers*			Specific polymers**		
			<div>RECOMMENDATION BY MAPA PROFESSIONAL</div>			● Light protection	●● Strong protection	●●● Optimal protection
ALCOHOLS (methanol 100%)	67-56-1	A		●	●	●●	●●●	●●
KETONE (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	●●●	●●●	●●●	●●●	●●●	●●●
OXIDISING ACID (sulphuric acid 96%)	7664-93-9	L	●	●		●●	●●●	●●●
OXIDISING ACID (nitric acid 65%)	7697-37-2	M	●	●●●		●●●	●●●	●●●
ORGANIC ACID (acetic acid 99%)	64-19-7	N	●	●		●●●	●●●	●●
ORGANIC BASE (ammonia 25%)	1336-21-6	O	●	●	●●		●●●	●●
PEROXYDE (hydrogen peroxide 30%)	7722-84-1	P	●●●	●●●	●●●	●●●	●●●	●●●
HYDROFLUORIC ACID (hydrogen fluoride 40%)	7664-39-3	S		●●●		●●●	●●●	●●
ALDEHYDE (formaldehyde 37%)	50-00-0	T	●●●	●●●	●●●	●●●	●●●	●●●

* 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.

STRENGTHS	Value for money Mechanical strength	Excellent flexibility Good puncture and tearing resistance Adapted to cold environment	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	

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

MATERIAL PVC		MATERIAL NATURAL LATEX				MATERIAL LATEX MIX						
frequent CONTACT		splashes										
continuous WEAR		short WEAR		intermittent WEAR								
TELSOL 361  Long-lasting mechanical protection against low chemical hazards	TELSOL 351  Comfort, flexibility and mechanical protection for low chemical hazards	VITAL 175  Dexterity and flexibility for light aggressive environments	VITAL 520  Dexterity and flexibility in light aggressive environments	VITAL 115  Precision dexterity in non-aggressive environments Colour-coding to increase safety	VITAL 210  The effective response to contact with aggressive detergents	VITAL 180  Dexterity and better resistance to oils and greases	VITAL 181 					
Internal finish Textile support	Internal finish Textile support	VITAL 175, 177 Internal finish 175: powder free 177: chlorinated External finish Non-slip embossing Size 6 7 8 9 10 Length 31 cm Thickness 0.40 mm	VITAL 520 Internal finish Powdered External finish Smooth Size 6 7 8 9 Length 33.5 cm Thickness 0.40 mm	VITAL 540 Internal finish Powdered External finish Non-slip grip Size 8 9 10 Length 31 cm Thickness 0.40 mm	VITAL 115 Internal finish Flocked External finish Non-slip embossing Size 6 7 8 9 Length 30.5 cm Thickness 0.35 mm	VITAL 117, 124 Internal finish Flocked External finish Non-slip embossing Size 6 7 8 9 10 Length 30.5 cm Thickness 0.35 mm	VITAL 185, 186 Internal finish Flocked External finish Embossed texture Size 6 7 8 9 10 Length 30.5 cm Thickness 0.35 mm	Internal finish Flocked External finish Non-slip embossing Size 6 7 8 9 Length 32.5 cm Thickness 0.50 mm	VITAL 180 Internal finish Flocked External finish Non-slip embossing Size 6 7 8 9 10 Length 30 cm Thickness 0.40 mm	VITAL 181 Internal finish Flocked External finish Pebbled Size 7 8 9 Length 31 cm Thickness 0.40 mm		
CAT 3	CAT 3	CAT 3	CAT 3	CAT 3	CAT 3	CAT 3	CAT 3	CAT 3	CAT 3	CAT 3		
EN388:2016  4141X EN ISO 374-1:2016 TYPE B  KMO	EN388:2016  4121X EN ISO 374-5:2016 TYPE A  KLMNPT	EN388:2016  0010X EN ISO 374-1:2016 TYPE B  KPT	EN 421  EN ISO 374-5:2016  EN ISO 374-1:2016 TYPE B  2010X (VITAL 520) 0010X (VITAL 540)	EN 421  EN ISO 374-5:2016  EN ISO 374-1:2016 TYPE B  KMP (VITAL 520) KPT (VITAL 540)	EN 421  EN ISO 374-5:2016  EN ISO 374-1:2016 TYPE B  KPT	EN ISO 374-5:2016  EN ISO 374-1:2016 TYPE B  0010X	EN 421  EN ISO 374-5:2016  EN ISO 374-1:2016 TYPE B  1110X	EN 421  EN ISO 374-5:2016  EN ISO 374-1:2016 TYPE B  KPS	EN388:2016  1110X EN ISO 374-1:2016 TYPE B  KPT			
												

CHEMICAL PROTECTION

REUSABLE: JERSETTE - 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 LATEX		MATERIAL LATEX MIX		MATERIAL LATEX	
<div><div></div><div>frequent CONTACT</div></div>					
<div><div></div><div>intermittent WEAR</div></div>			<div><div></div><div>continuous WEAR</div></div>		
<div><div>ALTO 258</div><div></div><div>Strong protection against aggressive detergents</div></div>	<div><div>ALTO 405</div><div></div><div>Precision dexterity in aggressive environments</div></div>	<div><div>ALTO 415</div><div></div><div>Fine touch for light chemical protection</div></div>	<div><div>JERSETTE 307</div><div></div><div>Exceptional comfort and precision dexterity in light aggressive environments</div></div>	<div><div>JERSETTE 300</div><div><div>JERSETTE 301</div></div><div>Maximum comfort for long-term work in aggressive environments</div></div>	
<div>Internal finish Flocked</div> <div>External finish Non-slip embossing</div> <div>Size 6 7 8 9 10</div> <div>Length 32 cm</div> <div>Thickness 0.60 mm</div>	<div>Internal finish Flocked</div> <div>External finish Non-slip embossing</div> <div>Size 6 7 8 9 10</div> <div>Length 33 cm</div> <div>Thickness 0.70 mm</div>	<div>Internal finish Flocked</div> <div>External finish Non-slip embossing</div> <div>Size 6 7 8 9 10 11</div> <div>Length 32 cm</div> <div>Thickness 0.60 mm</div>	<div>Internal finish Textile support</div> <div>External finish Pebbled</div> <div>Size 6 7 8 9</div> <div>Length 31 cm</div> <div>Thickness 0.75 mm</div>	<div><div>JERSETTE 300</div><div>Internal finish Textile support</div><div>External finish Smooth</div><div>Size 5 6 7 8 9 10</div><div>Length 30-32 cm</div><div>Thickness 1.15 mm</div></div> <div><div>JERSETTE 301</div><div>Internal finish Textile support</div><div>External finish Pebbled</div><div>Size 5 6 7 8 9 10</div><div>Length 30-32 cm</div></div>	
<div>CAT 3</div> <div><div>EN388:2016</div><div>1110X</div></div> <div><div>EN ISO 374-1:2016 TYPE B</div><div>KPS</div></div> <div><div>EN ISO 374-5:2016</div><div></div></div>		<div>CAT 3</div> <div><div>EN388:2016</div><div>2110X</div></div> <div><div>EN ISO 374-1:2016 TYPE B</div><div>KMT</div></div> <div><div>EN ISO 374-5:2016</div><div></div></div> <div><div>EN 421</div><div></div></div>		<div>CAT 3</div> <div><div>EN388:2016</div><div>2120X</div></div> <div><div>EN407</div><div>X1XXXX</div></div>	
<div><div>EN388:2016</div><div>2131X</div></div> <div><div>EN ISO 374-1:2016 TYPE B</div><div>KPT</div></div> <div><div>EN407</div><div>X1XXXX</div></div>					
<div><div>EN388:2016</div><div>2131X</div></div> <div><div>EN ISO 374-1:2016 TYPE B</div><div>KPT</div></div> <div><div>EN407</div><div>X1XXXX</div></div>					
<div><div>EN388:2016</div><div>2131X</div></div> <div><div>EN ISO 374-1:2016 TYPE B</div><div>KPT</div></div> <div><div>EN407</div><div>X1XXXX</div></div>					
<div><div>EN388:2016</div><div>2131X</div></div> <div><div>EN ISO 374-1:2016 TYPE B</div><div>KPT</div></div> <div><div>EN407</div><div>X1XXXX</div></div>					
<div><div>EN388:2016</div><div>2131X</div></div> <div><div>EN ISO 374-1:2016 TYPE B</div><div>KPT</div></div> <div><div>EN407</div><div>X1XXXX</div></div>					
<div><div>EN388:2016</div><div>2131X</div></div> <div><div>EN ISO 374-1:2016 TYPE B</div><div>KPT</div></div> <div><div>EN407</div><div>X1XXXX</div></div>					
<div><div>EN388:2016</div><div>2131X</div></div> <div><div>EN ISO 374-1:2016 TYPE B</div><div>KPT</div></div> <div><div>EN407</div><div>X1XXXX</div></div>					
<div><div>EN388:2016</div><div>2131X</div></div> <div><div>EN ISO 374-1:2016 TYPE B</div><div>KPT</div></div> <div><div>EN407</div><div>X1XXXX</div></div>					
<div><div>EN388:2016</div><div>2131X</div></div> <div><div>EN ISO 374-1:2016 TYPE B</div><div>KPT</div></div> <div><div>EN407</div><div>X1XXXX</div></div>					
<div><div>EN388:2016</div><div>2131X</div></div> <div><div>EN ISO 374-1:2016 TYPE B</div><div>KPT</div></div> <div><div>EN407</div><div>X1XXXX</div></div>					
<div><div>EN388:2016</div><div>2131X</div></div> <div><div>EN ISO 374-1:2016 TYPE B</div><div>KPT</div></div> <div><div>EN407</div><div>X1XXXX</div></div>					
<div><div>EN388:2016</div><div>2131X</div></div> <div><div>EN ISO 374-1:2016 TYPE B</div><div>KPT</div></div> <div><div>EN407</div><div>X1XXXX</div></div>					
<div><div>EN388:2016</div><div>2131X</div></div> <div><div>EN ISO 374-1:2016 TYPE B</div><div>KPT</div></div> <div><div>EN407</div><div>X1XXXX</div></div>					
<div><div>EN388:2016</div><div>2131X</div></div> <div><div>EN ISO 374-1:2016 TYPE B</div><div>KPT</div></div> <div><div>EN407</div><div>X1XXXX</div></div>					
<div><div>EN388:2016</div><div>2131X</div></div> <div><div>EN ISO 374-1:2016 TYPE B</div><div>KPT</div></div> <div><div>EN407</div><div>X1XXXX</div></div>					
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<div><div>EN388:2016</div><div>2131X</div></div> <div><div>EN ISO 374-1:2016 TYPE B</div><div>KPT</div></div> <div><div>EN407</div><div>X1XXXX</div></div>					
<div><div>EN388:2016</div><div>2131X</div></div> <div><div>EN ISO 374-1:2016 TYPE B</div><div>KPT</div></div> <div><div>EN407</div><div>X1XXXX</div></div>					
<div><div>EN388:2016</div><div>2131X</div></div> <div><div>EN ISO 374-1:2016 TYPE B</div><div>KPT</div></div> <div><div>EN407</div><div>X1XXXX</div></div>					
<div><div>EN388:2016</div><div>2131X</div></div> <div><div>EN ISO 374-1:2016 TYPE B</div><div>KPT</div></div> <div><div>EN407</div><div>X1XXXX</div></div>					
<div><div>EN388:2016</div><div>2131X</div></div> <div><div>EN ISO 374-1:2016 TYPE B</div><div>KPT</div></div> <div><div>EN407</div><div>X1XXXX</div></div>					
<div><div>EN388:2016</div><div>2131X</div></div> <div><div>EN ISO 374-1:2016 TYPE B</div><div>KPT</div></div> <div><div>EN407</div><div>X1XXXX</div></div>					
<div><div>EN388:2016</div><div>2131X</div></div> <div><div>EN ISO 374-1:2016 TYPE B</div><div>KPT</div></div> <div><div>EN407</div><div>X1XXXX</div></div>					
<div><div>EN388:2016</div><div>2131X</div></div> <div><div>EN ISO 374-1:2016 TYPE B</div><div>KPT</div></div> <div><div>EN407</div><div>X1XXXX</div></div>					
<div><div>EN388:2016</div><div>2131X</div></div> <div><div>EN ISO 374-1:2016 TYPE B</div><div>KPT</div></div> <div><div>EN407</div><div>X1XXXX</div></div>					
<div><div>EN388:2016</div><div>2131X</div></div> <div><div>EN ISO 374-1:2016 TYPE B</div><div>KPT</div></div> <div><div>EN407</div><div>X1XXXX</div></div>					
<div><div>EN388:2016</div><div>2131X</div></div> <div><div>EN ISO 374-1:2016 TYPE B</div><div>KPT</div></div> <div><div>EN407</div><div>X1XXXX</div></div>					
<div><div>EN388:2016</div><div>2131X</div></div> <div><div>EN ISO 374-1:2016 TYPE B</div><div>KPT</div></div> <div><div>EN407</div><div>X1XXXX</div></div>					
<div><div>EN388:2016</div><div>2131X</div></div> <div><div>EN ISO 374-1:2016 TYPE B</div><div>KPT</div></div> <div><div>EN407</div><div>X1XXXX</div></div>					
<div><div>EN388:2016</div><div>2131X</div></div> <div><div>EN ISO 374-1:2016 TYPE B</div><div>KPT</div></div> <div><div>EN407</div><div>X1XXXX</div></div>					
<div><div>EN388:2016</div><div>2131X</div></div> <div><div>EN ISO 374-1:2016 TYPE B</div><div>KPT</div></div> <div><div>EN407</div><div>X1XXXX</div></div>					
<div><div>EN388:2016</div><div>2131X</div></div> <div><div>EN ISO 374-1:2016 TYPE B</div><div>KPT</div></div> <div><div>EN407</div><div>X1XXXX</div></div>					
<div><div>EN388:2016</div><div>2131X</div></div> <div><div>EN ISO 374-1:2016 TYPE B</div><div>KPT</div></div> <div><div>EN407</div><div>X1XXXX</div></div>					
<div><div>EN388:2016</div><div>2131X</div></div> <div><div>EN ISO 374-1:2016 TYPE B</div><div>KPT</div></div> <div><div>EN407</div><div>X1XXXX</div></div>					
<div><div>EN388:2016</div><div>2131X</div></div> <div><div>EN ISO 374-1:2016 TYPE B</div><div>KPT</div></div> <div><div>EN407</div><div>X1XXXX</div></div>					
<div><div>EN388:2016</div><div>2131X</div></div> <div><div>EN ISO 374-1:2016 TYPE B</div><div>KPT</div></div> <div><div>EN407</div><div>X1XXXX</div></div>					
<div><div>EN388:2016</div><div>2131X</div></div> <div><div>EN ISO 374-1:2016 TYPE B</div><div>KPT</div></div> <div><div>EN407</div><div>X1XXXX</div></div>					
<div><div>EN388:2016</div><div>2131X</div></div> <div><div>EN ISO 374-1:2016 TYPE B</div><div>KPT</div></div> <div><div>EN407</div><div>X1XXXX</div></div>					
<div><div>EN388:2016</div><div>2131X</div></div> <div><div>EN ISO 374-1:2016 TYPE B</div><div>KPT</div></div> <div><div>EN407</div><div>X1XXXX</div></div>					
<div><div>EN388:2016</div><div>2131X</div></div> <div><div>EN ISO 374-1:2016 TYPE B</div><div>KPT</div></div> <div><div>EN407</div><div>X1XXXX</div></div>					
<div><div>EN388:2016</div><div>2131X</div></div> <div><div>EN ISO 374-1:2016 TYPE B</div><div>KPT</div></div> <div><div>EN407</div><div>X1XXXX</div></div>					
<div><div>EN388:2016</div><div>2131X</div></div> <div><div>EN ISO 374-1:2016 TYPE B</div><div>KPT</div></div> <div><div>EN407</div><div>X1XXXX</div></div>					
<div><div>EN388:2016</div><div>2131X</div></div> <div><div>EN ISO 374-1:2016 TYPE B</div><div>KPT</div></div> <div><div>EN407</div><div>X1XXXX</div></div>					
<div><div>EN388:2016</div><div>2131X</div></div> <div><div>EN ISO 374-1:2016 TYPE B</div><div>KPT</div></div> <div><div>EN407</div><div>X1XXXX</div></div>					
<div><div>EN388:2016</div><div>2131X</div></div> <div><div>EN ISO 374-1:2016 TYPE B</div><div>KPT</div></div> <div><div>EN407</div><div>X1XXXX</div></div>					

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 LATEX					
frequent CONTACT		prolonged CONTACT			
continuous WEAR		short WEAR		intermittent WEAR	
<div><div>HARPON 321</div><div></div><div>Comfort and safety when gripping heavy, rough or slippery objects in highly-aggressive settings</div></div>		<div><div>ALTO 298</div><div></div><div>Good mechanical performance for long-lasting chemical protection</div></div>	<div><div>ALTO 285</div><div></div><div>Good mechanical performance for long-lasting chemical protection</div></div>	<div><div>ALTO 260</div><div></div><div>A good choice when dexterity and chemical protection is needed for extended wear</div></div>	<div><div>ALTO 299</div><div></div><div>Good mechanical performance for long-lasting chemical protection</div></div>
<div><div>HARPON 321</div><div>Internal finish Textile support</div><div>External finish Reinforced grip</div><div>Size 6 7 8 9 10</div><div>Length 32 cm</div><div>Thickness 1.35 mm</div></div>		<div><div>ALTO 298</div><div>Internal finish Chlorinated</div><div>External finish Smooth</div><div>Size 8 9 10</div><div>Length 43 cm</div><div>Thickness 1.05 mm</div></div>		<div><div>ALTO 260</div><div>Internal finish Flocked</div><div>External finish Non-slip embossing</div><div>Size 7 8 9 10 11</div><div>Length 32 cm</div><div>Thickness 0.80 mm</div></div>	<div><div>ALTO 299</div><div>Internal finish Flocked</div><div>External finish Non-slip embossing</div><div>Size 7 8 9 10</div><div>Length 31 cm</div><div>Thickness 0.90 mm</div></div>
CAT 3		CAT 3		CAT 3	
<div><div>EN388:2016</div><div>EN ISO 374-1:2016 TYPE B</div><div>EN407</div><div> 3141X</div><div> KPT</div><div> X2XXXX</div></div>		<div><div>EN388:2016</div><div>EN ISO 374-1:2016 TYPE A</div><div>EN ISO 374-5:2016</div><div> 3131X</div><div> AKLMPT</div><div></div></div>		<div><div>EN388:2016</div><div>EN ISO 374-1:2016 TYPE A</div><div>EN ISO 374-5:2016</div><div> 2120X</div><div> AKLMPT</div><div></div></div>	<div><div>EN388:2016</div><div>EN ISO 374-1:2016 TYPE A</div><div>EN ISO 374-5:2016</div><div> 3121X</div><div> AKLMPT</div><div></div></div>

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								
splashes			frequent CONTACT			prolonged CONTACT		
short WEAR			intermittent WEAR		ultra- comfort WEAR	short WEAR	inter- mittent WEAR	conti- nuous WEAR
ULTRANITRIL 472	ULTRANITRIL 487	ULTRANITRIL 454	ULTRANITRIL 485*	ULTRANITRIL 492*	ULTRANITRIL 381*	ULTRANITRIL 480*	ULTRANITRIL 493*	ULTRANITRIL 377
								
Fingertip precision for light chemical protection and food handling	Fingertip precision for light chemical protection	Precision dexterity in mildly aggressive environments, for those sensitive to natural latex	Good sensitivity for standard chemical protection	Good mechanical resistance and long-lasting chemical protection	Maximum comfort for standard chemical protection	Ultra-long chemical protection	Ultra-long chemical protection	Comfort and reinforced mechanical resistance for long lasting chemical protection
Internal finish Easy donning treatment	Internal finish Easy donning treatment	Internal finish Flocked	Internal finish Flocked	Internal finish Flocked	Internal finish Textile support	Internal finish Chlorinated	Internal finish Flocked	Internal finish Textile support
External finish Pebbled	External finish Non-slip embossing	External finish Non-slip embossing	External finish Non-slip embossing	External finish Non-slip embossing	External finish Non-slip embossing	External finish Non-slip embossing	External finish Non-slip embossing	External finish Smooth
Size 6 7 8 9 10	Size 7 8 9 10	Size 6 7 8 9 10	Size 7 8 9 10	492 Size 6 7 8 9 10 11 491 Size 6 7 8 9 10	Size 7 8 9 10 11	Size 7 8 9 10	Size 8 9 10 11	Size 8 9 10
Length 31 cm	Length 32 cm	Length 31 cm	Length 31 cm	Length 32 cm Length 37 cm	Length 36 cm	Length 46 cm	Length 39 cm	Length 38 cm
Thickness 0.20 mm	Thickness 0.28 mm	Thickness 0.35 mm	Thickness 0.34 mm	Thickness 0.38 mm Thickness 0.41 mm	Thickness 0.95 mm	Thickness 0.55 mm	Thickness 0.55 mm	Thickness 1.35 mm
CAT 3	CAT 3	CAT 3	CAT 3	CAT 3	CAT 3	CAT 3	CAT 3	CAT 3
EN ISO 374-1:2016 TYPE B EN388:2016 2101X JOT	EN ISO 374-1:2016 TYPE B EN388:2016 2101X JOT	EN ISO 374-1:2016 TYPE B EN388:2016 2000X KPT	EN ISO 374-1:2016 TYPE B EN388:2016 3101X JKOPT	EN ISO 374-1:2016 TYPE A EN388:2016 3101X AJKOPT	EN ISO 374-1:2016 TYPE A EN388:2016 3111A JKLOPT	EN ISO 374-1:2016 TYPE A EN388:2016 4102X AJKOPT	EN ISO 374-1:2016 TYPE A EN388:2016 4102X AJKOPT	EN ISO 374-1:2016 TYPE A EN388:2016 4122X AJKOPT
EN ISO 374-5: 2016 EN421	EN ISO 374-5: 2016	EN ISO 374-5: 2016	EN ISO 374-5: 2016 ISO 18889 G2 VIRUS	EN ISO 374-5: 2016 ISO 18889 G2	EN ISO 374-5: 2016 ISO 18889 X1XXXX	EN ISO 374-5: 2016 ISO 18889 G2	EN ISO 374-5: 2016 ISO 18889 G2	EN407 X1XXXX
								

CHEMICAL PROTECTION

REUSABLE: ULTRANEEO 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
ULTRANEEO 401	ULTRANEEO 340	ULTRANEEO 420	ULTRANEEO 341	ULTRANEEO 382	ULTRANEEO 407	ULTRANEEO 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	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 Textile support
External finish Non-slip embossing	External finish Smooth	External finish Non-slip embossing	External finish Smooth	External finish Non-slip embossing	External finish Non-slip embossing	External finish Pebbled
Size 7 8 9 10	Size 7 8 9 10	420 Size 6 7 8 9 10	Size 8 9 10 11	Size 6 7 8 9 10	Size 9 10	Size 9 10
Length 31-32 cm	Length 38 cm	Length 31-32 cm	Length 38 cm	Length 36 cm	407 Length 35.5 cm	Length 36.5 cm
Thickness 0.55 mm	Thickness 1.33 mm	450 Size 7 8 9 10	Thickness 1.45 mm	Thickness 0.95 mm	414 Length 46 cm	Thickness 1.6 mm
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 1.6 mm
CAT 3	CAT 3	CAT 3	CAT 3	CAT 3	CAT 3	CAT 3
EN388:2016 2110X	EN388:2016 2121X	EN388:2016 2121X	EN388:2016 2121X	EN388:2016 2121X	EN388:2016 2111X	EN388:2016 3121X
EN ISO 374-1:2016 TYPE A ALMNST	EN ISO 374-1:2016 TYPE A CLMNST	EN ISO 374-1:2016 TYPE A ALMNST	EN ISO 374-1:2016 TYPE A ACLMNS	EN ISO 374-1:2016 TYPE A ALMNST	EN ISO 374-1:2016 TYPE A ABCJLMNS	EN ISO 374-1:2016 TYPE A ABCJLMNS
EN ISO 374-5:2016 	EN ISO 374-5:2016 	EN ISO 374-5:2016 	EN ISO 374-5:2016 	EN ISO 374-5:2016 	EN ISO 374-5:2016 	EN ISO 374-5:2016
	EN407 X1XXXX		EN407 X1XXXX	EN407 X1XXXX		EN407 X1XXXX



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	
 short WEAR	 ultra-comfort WEAR
BUTOFLEX 651  <p>Ultimate specific chemical resistance</p>	BUTOFLEX 650  <p>Ultimate specific chemical resistance</p>
Internal finish Powder free External finish Non-slip embossing Size 7 8 9 10 Length 37.5 cm Thickness 0.56 mm	Internal finish Textile support External finish Non-slip embossing Size 7 8 9 10 11 Length 35 cm Thickness 1.45 mm
CAT 3	CAT 3
EN388:2016  0010X EN ISO 374-1:2016 TYPE A  ABCILMNOS EN ISO 374-5:2016 	EN388:2016  1121X EN ISO 374-1:2016 TYPE A  ABCILMNOS EN ISO 374-5:2016 
    	

MATERIAL FLUOROELASTOMER	
 short WEAR	 continuous WEAR
FLUOTECH 468  <p>Tactile sensitivity with wear indicator</p>	FLUOTECH 344  <p>Comfort and flexibility for extended wear</p>
Internal finish Chlorinated External finish Smooth Size 8 9 10 Length 30 cm Thickness 0.58 mm	Internal finish Textile support External finish Smooth Size 9 10 Length 37 cm Thickness 1.60 mm
CAT 3	CAT 3
EN388:2016  3102X EN ISO 374-1:2016 TYPE A  ADEFGJLMNO EN ISO 374-5:2016 	EN388:2016  3121X EN407  X1XXXX EN ISO 374-1:2016 TYPE A  ACDEFGJLMN EN ISO 374-5:2016 
    	

CHEMICAL PROTECTION

DISPOSABLE: SOLO RANGE

MAPA Professional offers a range of disposable gloves to meet your needs regardless of your working environment. The use of different polymers optimises the ergonomics and performance of the gloves: flexibility, sturdiness and comfort.



DISPOSABLE GLOVES

There are several advantages of disposable gloves:

- Freedom of movement
- Protection for hands and the products being handled
- Rolled cuff to prevent tearing while ensuring the glove stays in place on the arm

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** (next 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 absorption of perspiration.
 - CHLORINATED**
Easy donning and no powder on hands.
 - EASY DONNING TREATMENT**
Makes it easier to put on and take off 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 a response to the unique demands of certain sectors and it enables visual checks by the assignment of 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		
COMFORT POWDER FREE		COMFORT POWDER FREE		COMFORT POWDERED
SOLO 990		SOLO 998	SOLO PLUS 995	SOLO 992
The best value for precise movements		Optimal flexibility and dexterity	Optimal flexibility and dexterity	Optimal flexibility and dexterity
External finish Smooth		External finish Smooth with pebbled fingertips	External finish Smooth with pebbled fingertips	External finish Smooth
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
Thickness 0.07 mm		Thickness 0.20 mm	Thickness 0.10 mm	Thickness 0.10 mm
CAT 3		CAT 3	CAT 3	CAT 3
EN ISO 374-1:2016 TYPE C EN ISO 374-5:2016 VIRUS ISO 18889 G1 		EN ISO 374-1:2016 TYPE C EN ISO 374-5:2016 VIRUS	EN ISO 374-1:2016 TYPE C EN ISO 374-5:2016 	EN ISO 374-1:2016 TYPE C EN ISO 374-5:2016

CHEMICAL PROTECTION

DISPOSABLE: SOLO RANGE

MAPA Professional offers a range of disposable gloves to meet your needs regardless of your working environment. The use of different polymers optimises the ergonomics and performance of the gloves: flexibility, sturdiness and comfort.



DISPOSABLE GLOVES

There are several advantages of disposable gloves:

- Freedom of movement
- Protection for hands and the products being handled
- Rolled cuff to prevent tearing while ensuring the glove stays in place on the arm

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**
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 absorption of perspiration.
 - CHLORINATED**
Easy donning and no powder on hands.
 - EASY DONNING TREATMENT**
Makes it easier to put on and take off 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 a response to the unique demands of certain sectors and it enables visual checks by the assignment of 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					POLYMER TRIPOLYMER
COMFORT CHLORINATED				COMFORT POWDERED	COMFORT CHLORINATED
SOLO 967  Excellent dexterity due to the flexibility and fineness of the material. Available in bag and box (Solo BOX 967)	SOLO 977  Ideal protection in chemical industry against splashes	SOLO 999  Excellent mechanical resistance, ideal in oily environments	SOLO 987  The perfect protection for light handling in oily environments	SOLO 996  Excellent mechanical resistance, ideal in oily environments	TRILITES 994  Tripolymer formula for protection against chemical splashes and splatters
Internal finish Chlorinated External finish Smooth with pebbled fingertips Size 6 7 8 9 Length 25 cm Thickness 0.08 mm	Internal finish Chlorinated External finish Smooth with pebbled fingertips Size 6 7 8 9 10 Length 24 cm Thickness 0.10 mm	Internal finish Chlorinated External finish Smooth with pebbled fingertips Size 6 7 8 9 Length 29-30 cm Thickness 0.10 mm	Internal finish Chlorinated External finish Smooth with pebbled fingertips Size 6 7 8 9 Length 24,5 cm Thickness 0.10 mm	Internal finish Powdered External finish Smooth with pebbled fingertips Size 6 7 8 9 Length 24 cm Thickness 0.10 mm	Internal finish Chlorinated External finish Pebbled Size 6 7 8 9 Length 25 cm Thickness 0.15 mm
CAT 3	CAT 3	CAT 3	CAT 3	CAT 3	CAT 3
EN ISO 374-1:2016 TYPE C EN ISO 374-5:2016	EN ISO 374-1:2016 TYPE B EN ISO 374-5:2016 ISO 18889 G1	EN ISO 374-1:2016 TYPE B EN ISO 374-5:2016	EN ISO 374-1:2016 TYPE B EN ISO 374-5:2016	EN ISO 374-1:2016 TYPE B EN ISO 374-5:2016	EN ISO 374-1:2016 TYPE B EN ISO 374-5:2016
 	  	 	 	 	 
JKT	VIRUS	JKT	VIRUS	KPT	KPT
      					  

MECHANICAL PROTECTION

HANDLING PROTECTION: ULTRANE RANGE

The Mapa Professional Handling Protection range meets requirements for comfort and protection of the hands when carrying out a wide variety of work.



PRECISION WORK

The Ultrane range represents all that is needed for precision work requiring a high-level of dexterity while maintaining a sense of touch when handling small or delicate parts.

- Ease of movement (Comfort)
- Service life suitable for daily use
- Suitable for different environments (dry, wet, oily, greasy, dirty, etc.)
- Superior performance in slippery settings for certain products

HOW CAN YOU REFINE YOUR CHOICE?

1 ENVIRONMENT

Select the glove that meets your needs according to your working environment:

- ☐ **dry** and **relatively clean** environments
- ☑ **oily** and **very dirty** environments

2 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 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



Optimal dexterity and sensitivity for light protection

ULTRANE 648



Optimal dexterity and sensitivity for light protection. Suitable for touch screens

ULTRANE 524



Protection of electronic device from ElectroStatic Discharge (ESD)

ULTRANE 551



Unbeatable for fingertip precision

ULTRANE 510



Optimal comfort, high level of breathability & durability for precision work

Liner
Seamless knitted
Textile support

Gauge 13

Coating
Polyurethane coating
on palm and fingers

Cuff
Knitted wrist

Size
Ultrane 548 6 7 8 9 10 11
Ultrane 549 6 7 8 9 10

Length
21-27 cm



Liner
Seamless Textile support

Gauge 13

Coating
Ventilated back
Polyurethane coating on palm
and fingers

Cuff
Knitted wrist

Size
5 6 7 8 9 10 11

Length
22-27 cm

CAT 2
EN388:2016
3121X



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 x1

CAT 2
EN388:2016
2X20A
EN 16350



Liner
Seamless knitted
Textile support

Gauge 13

Coating
Polyurethane coating
on palm and fingers

Cuff
Knitted wrist

Size
Ultrane 551 6 7 8 9 10 11
Ultrane 550 6 7 8 9 10

Length
21-27 cm



CAT 2
EN388:2016
4131X



Liner
Seamless knitted
Textile support

Gauge 13

Coating
Polymer coating with aqueous base
on the palm and fingers

Cuff
Knitted wrist

Size
6 7 8 9 10 11

Length
22-27 cm

Washable x1



CAT 3
EN388:2016
4131X



MECHANICAL PROTECTION

HANDLING PROTECTION: ULTRANE RANGE

The Mapa Professional Handling Protection range meets requirements for comfort and protection of the hands when carrying out a wide variety of work.



PRECISION WORK

The Ultrane range represents all that is needed for precision work requiring a high-level of dexterity while maintaining a sense of touch when handling small or delicate parts.

- Ease of movement (Comfort)
- Service life suitable for daily use
- Suitable for different environments (dry, wet, oily, greasy, dirty, etc.)
- Superior performance in slippery settings for certain products

HOW CAN YOU REFINE YOUR CHOICE?

1 ENVIRONMENT

Select the glove that meets your needs according to your working environment:

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

2 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 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	ULTRANE 541	ULTRANE 544	ULTRANE 553	ULTRANE 500*
 <p>Detachable fingers glove to avoid hand risk injuries. Comfort suppleness and high dexterity without any compromise on breathability and durability</p>	 <p>Comfort suppleness and high dexterity without any compromise on breathability and durability</p>	 <p>Protection of electronic device from ElectroStatic Discharge (ESD)</p>	 <p>Unbeatable for fingertip precision in dirty environments</p>	 <p>Assured grip, skin protected and excellent dexterity in lightly oily/dirty environments</p>
<p>Liner Seamless textile with patent pending specific knitting technology by MAPA PROFESSIONAL</p> <p>Gauge 15</p> <p>Coating Foam nitrile coating with sandy finish on palm and fingers</p> <p>Cuff Knitted wrist</p> <p>Size 6 7 8 9 10 11</p> <p>Length 22-28 cm</p> <p>Washable x1</p> <p>OEKO-TEX® STANDARD 100 CQ 979/2 IFTH Tested for harmful substances. www.oeko-tex.com/standard100</p>	<p>Liner Seamless knitted textile support</p> <p>Gauge 15</p> <p>Coating Foam nitrile coating with sandy finish on palm and fingers</p> <p>Cuff Knitted wrist</p> <p>Size 6 7 8 9 10 11</p> <p>Length 22-28 cm</p> <p>Washable x1</p> <p>OEKO-TEX® STANDARD 100 CQ 979/2 IFTH Tested for harmful substances. www.oeko-tex.com/standard100</p>	<p>Liner Seamless textile with conductive fibres</p> <p>Gauge 15</p> <p>Coating Foam nitrile conductive coating on palm and fingers</p> <p>Cuff Knitted wrist</p> <p>Size 6 7 8 9 10 11</p> <p>Length 22-27 cm</p> <p>Washable x1</p> <p>OEKO-TEX® STANDARD 100 CQ 979/2 IFTH Tested for harmful substances. www.oeko-tex.com/standard100</p>	<p>Liner Seamless knitted Textile support</p> <p>Gauge 13</p> <p>Coating Nitrile coating on palm and fingers</p> <p>Cuff Knitted wrist</p> <p>Size 6 7 8 9 10</p> <p>Length 22-26 cm</p> <p>OEKO-TEX® STANDARD 100 CQ 979/2 IFTH Tested for harmful substances. www.oeko-tex.com/standard100</p>	<p>Liner Seamless knitted Textile support</p> <p>Gauge 13</p> <p>Coating Double layer coating: Nitrile Smooth - Sandy Nitrile</p> <p>ULTRANE 500 palm and fingers ULTRANE 525 3/4 coating ULTRANE 526 complete coating</p> <p>Size ULTRANE 500 6 7 8 9 10 11 ULTRANE 525/526 7 8 9 10 11</p> <p>Length ULTRANE 500 22-27 cm ULTRANE 525/526 23-27 cm</p> <p>Washable x3</p> <p>OEKO-TEX® STANDARD 100 CQ 979/2 IFTH Tested for harmful substances. www.oeko-tex.com/standard100</p>
<p>CAT 2</p> <p>EN388:2016 31X1A EN407 X1XXXX</p>	<p>CAT 2</p> <p>EN388:2016 4121A EN407 X1XXXX</p>	<p>CAT 2</p> <p>EN388:2016 4121A EN 16350</p>	<p>CAT 2</p> <p>EN388:2016 4121X</p>	<p>CAT 3</p> <p>EN388:2016 4121A ISO 18889 GR EN407 X1XXXX</p>

MECHANICAL PROTECTION

HANDLING PROTECTION: TITAN RANGE



HEAVY-DUTY WORK

The TITAN/HARPON range is the shell which protects the hand from heavy objects being handled

- Easy to fit and remove gloves
- Ease of movement and gripping
- Service life suitable for daily use
- Suitable for different environments (dry, wet, oily, greasy, dirty, etc.)
- Superior performance in slippery settings for certain products

HOW CAN YOU REFINE YOUR CHOICE?

1 ENVIRONMENT

Select the glove that meets your needs according to 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



Comfort and dexterity for common tasks

TITAN 375



Protection for all types of light handling activities

TITAN 383



Protection for all types of light handling activities

TITAN 397



Comfort and dexterity for common handling tasks

TITAN 385



Comfort and durability for heavy-duty handling

TITAN 393



Optimised comfort and maximum durability for heavy-duty work

Liner
Textile support

Coating
3/4 nitrile coating

Size
7 8 9 10

Length
26-31 cm

TITAN 375

Liner
Textile support

Coating
Full nitrile coating
Scalloped cut

Size
6 7 8 9

Length
27 cm

TITAN 376

Liner
Textile support

Coating
Full nitrile coating
Scalloped cut

Size
8 9

Length
31 cm

Liner
Textile support

Coating
Full nitrile coating

Cuff
Knitted

Size
7 8 9 10

Length
27-30 cm

Liner
Textile support

Coating
3/4 nitrile coating

Cuff
Knitted

Size
6 7 8 9 10

Length
24-31 cm

Liner
Textile support

Coating
Titan 385: 3/4 nitrile coating
Safety cuff

Titan 388: Full nitrile coating
Safety cuff

Titan 391: 3/4 nitrile coating
Knitted cuff

Titan 392: Full nitrile coating
Knitted cuff

Size
Titan 385 9 10
Titan 388, 391, 392 8 9 10

Length
Titan 385, 388 25-27 cm
Titan 391, 392 25-27 cm

Liner
Knitted textile support
in brushed cotton

Coating
Full nitrile coating

Size
7 8 9

Length
31 cm

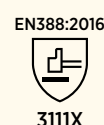
CAT 2



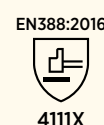
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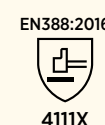
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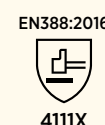
CAT 2



CAT 2



CAT 2



MECHANICAL PROTECTION

HANDLING PROTECTION: TITAN - HARPON RANGE



HEAVY-DUTY WORK

The TITAN/HARPON range is the shell which protects the hand from heavy objects being handled

- Easy to fit and remove gloves
- Ease of movement and gripping
- Service life suitable for daily use
- Suitable for different environments (dry, wet, oily, greasy, dirty, etc.)
- Superior performance in slippery settings for certain products

HOW CAN YOU REFINE YOUR CHOICE?

1 ENVIRONMENT

Select the glove that meets your needs according to 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  <p>Flexibility and grip for common handling tasks</p>	HARPON 319  <p>Comfort, reinforced safety and excellent grip in wet environments</p>	HARPON 330 	TITAN 850  <p>Shock absorption, durability and comfort for heavy handling work</p>
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 CAT 2	HARPON 319 Liner Textile support Coating Total coating in natural latex Embossed, anti-slip texture Cuff Knitted Size 7 8 9 Length 25-27 cm CAT 2	HARPON 330 Liner Textile support Coating 3/4 coating in natural latex Embossed, anti-slip texture Cuff Knitted Size 6 7 8 9 Length 25-28 cm CAT 2	Liner Seamless knitted textile support Gauge 13 Coating Nitrile coating on the palm and fingers Double layer coating: Nitrile Smooth - Sandy Nitrile Size 7 8 9 10 11 Length 25-28 cm CAT 2
EN388:2016 2142X EN407 X1XXXX	EN388:2016 3131X EN407 X1XXXX		EN388:2016 4132XP



MECHANICAL PROTECTION

CUT PROTECTION: KRYTECH RANGE

The Mapa Professional range of cut-protection gloves provides excellent hand comfort and protection specially designed for various types of work involving cut hazards.



PRECISION WORK

Select your cut protection gloves according to your specific needs.

For precision work, you need gloves that act like a second skin, protecting against cuts but maintaining excellent dexterity.

IMPORTANT

Using cut-protection gloves does not guarantee total protection (for instance, when using a motor-operated sharp object). Furthermore, the EN 388 and ISO 13997 test results give no more than an indicative average value, and an on-site study may be recommended to determine the most appropriate type of protection for a workstation. Do not hesitate to contact our technical department for further information.

HOW CAN YOU REFINE YOUR CHOICE?

1 ENVIRONMENT

Select the glove that meets your needs according to 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

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**
ENVIRONMENT

⚠ **low**
RISK

⌚ **short**
SERVICE LIFE

⌚ **long**
SERVICE LIFE

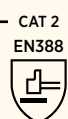
⌚ **high-performance**
SERVICE LIFE

KRYTECH 578



Moderate protection for very precise handling in clean and dirty environments

Liner
Seamless knitted textile support with HDPE fibres
Gauge 13
Coating
Polyurethane coating
Cuff
Knitted wrist
Size
6 7 8 9 10 11
Length
22-27 cm
Washable x3



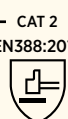
4X42B
ISO 13997: 5 N

KRYTECH 579



Moderate protection for very precise handling in reasonably clean environments

Liner
Seamless textile support from 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 x5



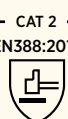
4342B
ISO 13997: 5.3 N

KRYTECH 584



Moderate protection for very precise handling in reasonably clean environments

Liner
Seamless textile support from 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 x5



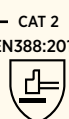
4342B
ISO 13997: 5.3 N

KRYTECH 557



Moderate protection with crotch reinforcement for precise handling in reasonably clean environments

Liner
Seamless textile support from 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 x5



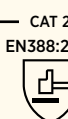
4343B
ISO 13997: 5.3 N

KRYTECH 558



Moderate protection with crotch reinforcement for precise handling in reasonably clean environments

Liner
Seamless textile support from HDPE fibres
Gauge 13
Coating
Polyurethane coating on palm and fingers
Cuff
Knitted wrist
Size
7 8 9 10 11
Length
27-32 cm
Washable x5



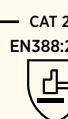
4343B
ISO 13997: 5.3 N

KRYTECH 563



Moderate protection and durability for precise handling in reasonably clean environments

Liner
Seamless textile support from HDPE fibres
Gauge 13
Coating
Nitrile coating on palm and fingertips
Cuff
Knitted wrist
Size
7 8 9 10 11
Length
23-27 cm
Thickness
1.4 mm



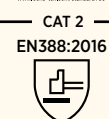
4343B
ISO 13997: 6.5 N

KRYTECH 588



Cutting, grip and dexterity for dry and slightly oily environments

Liner
Seamless textile support from HDPE fibres
Gauge 13
Coating
Double layer coating: Nitrile Smooth - Sandy Nitrile
Cuff
Knitted wrist
Size
7 8 9 10 11
Length
23-27 cm
Washable x1



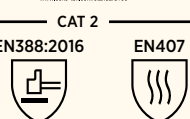
4343B
ISO 13997: 5.9 N

KRYTECH 642



Comfort suppleness and high dexterity without any compromise on cut protection, breathability and durability. Suitable for touch screens

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 x1



4X42B X1XXXX
ISO 13997: 5,7 N



MECHANICAL PROTECTION

CUT PROTECTION: KRYTECH RANGE

PRECISION WORK

Select your cut protection gloves according to your specific needs.
For precision work, you need gloves that act like a second skin, protecting against cuts but maintaining excellent dexterity.



HOW CAN YOU REFINE YOUR CHOICE?

1 ENVIRONMENT

Select the glove that meets your needs according to 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

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

<div> dry and relatively clean ENVIRONMENT </div>			
<div> moderate RISK </div>			
<div> short SERVICE LIFE </div>		<div> long SERVICE LIFE </div>	
<div> high-performance SERVICE LIFE </div>			
<div> KRYTECH 601 <p>An ambidextrous glove with a high dexterity coupled with a good cut performance and comfort</p> </div>		<div> KRYTECH 610 <p>A cut protection with a maximum comfort. A seamless plaited glove for very good fit, dexterity and flexibility</p> </div>	
<div> KRYTECH 643 <p>Comfort suppleness and high dexterity without any compromise on cut protection, breathability and durability. Suitable for touch screens</p> </div>			
<div> Liner Seamless knitted textile support in composite fibres and HDPE fibres Gauge 13 Coating Without coating Size 7 8 9 10 11 Length 24-28 cm Washable x1 </div>		<div> <div> KRYTECH 610 Liner Seamless knitted textile support in composite and HDPE fibres Gauge 13 Coating Polyurethane coating on the palm and fingers Cuff Knitted wrist Size 6 7 8 9 10 11 Length 23-28 cm </div> <div> KRYTECH 810 Liner Seamless textile support from HDPE fibres Gauge 13 Coating Polyurethane coating on the palm and fingers and nitrile crotch reinforcement between thumb and index Cuff Knitted wrist Size 6 7 8 9 10 11 Length 23-28 cm </div> </div>	
<div> <p>CAT 2 EN388:2016 1X4XC ISO 13997: 14.2 N</p> </div>		<div> <p>CAT 2 EN388:2016 4X43C ISO 13997: 14.9 N</p> </div>	
<div> <p>CAT 2 EN388:2016 4X42C ISO 13997: 13,5N</p> </div>		<div> <p>CAT 2 EN388:2016 EN407 X1XXXX ISO 13997: 13,5N</p> </div>	

MECHANICAL PROTECTION

CUT PROTECTION: KRYTECH RANGE

PRECISION WORK

Select your cut protection gloves according to your specific needs.

For precision work, you need gloves that act like a second skin, protecting against cuts but maintaining excellent dexterity.



HOW CAN YOU REFINE YOUR CHOICE?

1 ENVIRONMENT

Select the glove that meets your needs according to 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

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

<div> dry and relatively clean ENVIRONMENT </div>				
<div> high RISK </div>			<div> very high RISK </div>	
<div> long SERVICE LIFE </div>			<div> high-performance SERVICE LIFE </div>	
KRYTECH 586 High-level protection for precise handling in reasonably clean environments	KRYTECH 615 High cut protection with a maximum comfort. A seamless plaited glove for very good fit, dexterity and flexibility	KRYTECH 622 Very high-level cutting protection, comfortable thanks to excellent adjustment and good compatibility with touch screens	KRYTECH 644 Comfort suppleness and high dexterity without any compromise on cut protection, breathability and durability. Suitable for touch screens	KRYTECH 645 Comfort suppleness and high dexterity without any compromise on cut protection, breathability and durability. Suitable for touch screens
Liner Seamless textile support from 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 x3	KRYTECH 615 Liner Seamless knitted textile support in composite and HDPE fibres Gauge 13 Coating Polyurethane coating on the palm and fingers Cuff Knitted wrist Size 6 7 8 9 10 11 Length 24-30 cm Washable x3	KRYTECH 815 Liner Seamless textile support from HDPE fibres Gauge 13 Coating Polyurethane coating on the palm and fingers and nitrile crotch reinforcement between thumb and index Size 6 7 8 9 10 11 Length 24-30 cm	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 x1	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 x1
CAT 2 EN388:2016 4X43D ISO 13997: 18.6 N	CAT 2 EN388:2016 4X43D ISO 13997: 20 N	CAT 2 EN388:2016 4X43E ISO 13997: 29.5 N	CAT 2 EN388:2016 4X43D ISO 13997: 16 N	CAT 2 EN388:2016 4X43E ISO 13997: 29.5 N

MECHANICAL PROTECTION

CUT PROTECTION: KRYTECH RANGE

PRECISION WORK

Select your cut protection gloves according to your specific needs.
For precision work, you need gloves that act like a second skin, protecting against cuts but maintaining excellent dexterity.



HOW CAN YOU REFINE YOUR CHOICE?

1 ENVIRONMENT

Select the glove that meets your needs according to 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

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

 **high-performance**
SERVICE LIFE

KRYTECH 580*



GRIP & PROOF
TECHNOLOGY

Moderate protection, grip and skin protected for precise handling slightly oily and dirty environments

KRYTECH 599*



GRIP & PROOF
TECHNOLOGY

Moderate protection against cutting, grip and skin protected for complex handling operations in oily environment

KRYTECH 600*



GRIP & PROOF
TECHNOLOGY

Moderate protection against cutting, grip and skin protected for complex handling operations in very oily environment

KRYTECH 585



GRIP & PROOF
TECHNOLOGY

Enhanced safety, comfort and durability with Grip & Proof Technology

KRYTECH 582



GRIP & PROOF
TECHNOLOGY

High-level cutting protection for complex handling operations in oily environment

Liner
Seamless textile support from HDPE fibres

Gauge 13

Coating
Double layer coating: Nitrile Smooth - Sandy Nitrile

Cuff
Knitted wrist

Size
6 7 8 9 10 11

Length
23-27 cm

OEKO-TEX®
STANDARD 100
CO 979/2 IFTH
Tested for harmful substances.
www.oeko-tex.com/standard100

CAT 3



ISO 13997: 6 N

Liner
Seamless textile support from HDPE fibres

Gauge 13

Coating
Double layer coating: Nitrile Smooth - Sandy Nitrile

Cuff
Knitted wrist

Size
7 8 9 10 11

Length
23-27 cm

OEKO-TEX®
STANDARD 100
CO 979/2 IFTH
Tested for harmful substances.
www.oeko-tex.com/standard100

CAT 3



ISO 13997: 6 N

Liner
Seamless textile support from HDPE fibres

Gauge 13

Coating
Double layer coating: Nitrile Smooth - Sandy Nitrile

Cuff
Knitted wrist

Size
7 8 9 10

Length
23-26 cm

OEKO-TEX®
STANDARD 100
CO 979/2 IFTH
Tested for harmful substances.
www.oeko-tex.com/standard100

CAT 3



ISO 13997: 6 N

Liner
Seamless knitted textile support in composite and HDPE fibres

Gauge 15

Coating
3/4 Grip&Proof nitrile coating
Double layer coating: Nitrile Smooth - Sandy Nitrile

Cuff
Knitted wrist

Size
7 8 9 10 11

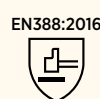
Washable x3

Length
23-27 cm

Thickness
1.2 mm

OEKO-TEX®
STANDARD 100
CO 979/2 IFTH
Tested for harmful substances.
www.oeko-tex.com/standard100

CAT 2



ISO 13997: 13 N

Liner
Seamless knitted textile support in composite and HDPE fibres

Gauge 13

Coating
3/4 nitrile coating
Double layer coating: Nitrile Smooth - Sandy Nitrile

Cuff
Knitted wrist

Size
6 7 8 9 10 11

Washable x5

Length
23-28 cm

OEKO-TEX®
STANDARD 100
CO 979/2 IFTH
Tested for harmful substances.
www.oeko-tex.com/standard100

CAT 2



ISO 13997: 18 N



MECHANICAL PROTECTION

CUT PROTECTION: KRYTECH RANGE

PRECISION WORK

Cut protection cuffs with thumb hole for improved comfort and dexterity and wearer's safety.



HOW CAN YOU REFINE YOUR CHOICE?

1 ENVIRONMENT

Select the cuff that meets your needs according to 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

for all environments

low RISK		moderate RISK		high RISK
KRYTECH 532 S 		KRYTECH 532 		KRYTECH 602 
KRYTECH 532 		KRYTECH 603 		KRYTECH 538 
Adjustable seamless knitted tighter sleeves that provide standard cut protection, optimal comfort and freedom of movement to the wearer		Ultra-comfortable sleeves designed with an advanced seamless knitting for perfect fit, fresh feel and excellent flexibility that provide 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 from HDPE fibres Specific features Self-gripping tape closure system Thumbslot Gauge 13 Length 45 cm Width 120 mm Washable x5 Size Unique 		Liner Seamless knitted textile support from HDPE fibres Cuff Knitted wrist Gauge 15 Length 45 cm Width 120 mm Washable x3 Size Unique 		Liner Seamless knitted textile support from HDPE and composite fibres Specific features Self-gripping tape closure system Thumbslot Gauge 13 Length 60 cm Width 150 mm Washable x5 Size Unique 
CAT 2 EN388:2016  334XB ISO 13997: 5.3 N		CAT 2 EN388:2016  3X42C ISO 13997: 11.6 N		CAT 2 EN388:2016  4X4XD ISO 13997: 17.8 N



MECHANICAL PROTECTION

CUT PROTECTION: KRYTECH RANGE

HEAVY HANDLING WORK

Select your cut protection gloves according to your specific needs.

For heavy handling work, your gloves must protect against cuts and impacts but also need to be tough and long lasting.



HOW CAN YOU REFINE YOUR CHOICE?

1 ENVIRONMENT

Select the glove that meets your needs according to 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

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 ENVIRONMENT			wet ENVIRONMENTS	oily and very dirty ENVIRONMENTS			
high RISK	very high RISK		high RISK	low RISK	high RISK	very high RISK	
high-performance SERVICE LIFE	short SERVICE LIFE	high-performance SERVICE LIFE	high-performance SERVICE LIFE			high-performance SERVICE LIFE	
KRYTECH 836	KRYTECH 838	KRYTECH 832	KRYTECH 840	KRYTECH 380	KRYTECH 395	KRYTECH 851	KRYTECH 837
							
Excellent cutting protection and resistance to wear with optimum dexterity and comfort	Reinforced cut protection for the food industry. Ambidextrous	High-level protection for handling heavy, sharp objects in dry and relatively clean environments	High-level protection for handling heavy or sharp objects in wet environments	Moderate protection against cutting, grip and skin protected for heavy handling operations in oily/dirty environment	Lasting chemical protection and cut protection combined	High-level cutting protection, shock absorption, durability and comfort for heavy handling work	High cutting protection designed to ensure comfort, dexterity and durability for heavy handling work
Liner Seamless knitted textile support in composite and HDPE fibres Gauge 13 Coating Leather covering on palm with thumb/forefinger reinforcements Cuff Knitted wrist Size 7 8 9 10 11 Length 27-32 cm Washable x5	Liner Seamless textile support from 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 10 Coating Leather covering on palm with thumb/forefinger reinforcements Cuff Knitted wrist Size 8 9 10 11 Length 24-27 cm Washable x5	Liner Seamless knitted textile support in composite and HDPE fibres Gauge 10 Coating Latex palm and fingers/Non-slip embossing Cuff Knitted wrist Size 7 8 9 10 Length 23-26 cm	Liner Seamless textile support from HDPE and cotton fibres Gauge 13 Coating Double layer coating: Nitrile Smooth - Sandy Nitrile Size 7 8 9 10 Length 21-22 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 Coating Double layer coating: Nitrile Smooth - Sandy Nitrile Safety cuff Gauge 13 Size 7 8 9 10 11 Length 25-28 cm	Liner Seamless knitted textile support from HDPE and composite fibres Gauge 13 Coating Foam nitrile coating with leather reinforcement at palm except thumb/index fingertips / Nitrile crotch reinforcement Cuff Knitted wrist Size 8 9 10 11 Length 30 cm Washable x5
CAT 2		CAT 2	CAT 2	CAT 2	CAT 3		CAT 2
EN388:2016 4X43D EN407 X1XXXX ISO 13997: 17.2 N	EN388:2016 2X4XE ISO 13997: 24.2 N	EN388:2016 4X43E EN407 X1XXXX ISO 13997: 24.3 N	EN388:2016 3X43D EN407 X1XXXX ISO 13997: 19.8 N	EN388:2016 4344B EN407 X1XXXX ISO 13997: 7.6 N	EN388:2016 4X43D EN407 X1XXXX ISO 13997: 20.4 N	EN388:2016 4X43DP ISO 13997: 17.6 N	EN388 4X44E EN407 X1XXXX ISO 13997: 29.9 N
🏭🚧⚡🧹		🏭🚧⚡🧹🍴	🏭🚧⚡🧹		🏭🚧⚡🧹🚗		🏭🚗

THERMAL PROTECTION




The Mapa Professional thermal protective glove range provides excellent comfort and protection to hands whenever work situations require thermal protection in a hot or cold environment.



HOW CAN YOU REFINE YOUR CHOICE?

1 TEMPERATURE

According to 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

For cold, this relates to the intrinsic quality of the coating material. For heat 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

<div><div></div><div>TEMPERATURE -10°C</div></div>		<div><div></div><div>TEMPERATURE up to 150°C</div></div>		<div><div></div><div>TEMPERATURE above 150°C</div></div>																									
<div><div></div><div>wet ENVIRONMENTS</div></div>	<div><div></div><div>wet</div><div><div></div>dry</div><div><div></div>moderately oily</div><div>ENVIRONMENTS</div></div>	<div><div></div>dry</div> <div><div></div>moderately oily</div> <div>ENVIRONMENTS</div>	<div><div></div>wet</div> <div><div></div>chemical</div> <div><div></div>moderately oily</div> <div>ENVIRONMENTS</div>	<div><div></div>wet</div> <div><div></div>chemical</div> <div><div></div>moderately oily</div> <div>ENVIRONMENTS</div>																									
<div><div></div><div>long SERVICE LIFE</div></div>	<div><div></div><div>high- performance</div><div>SERVICE LIFE</div></div>	<div><div></div><div>CONTACT TIME short-term</div><table><tr><td>80°C</td><td>70s</td></tr><tr><td>100°C</td><td>30s</td></tr><tr><td>125°C</td><td>20s</td></tr></table></div> <td><div><div></div><div>CONTACT TIME prolonged</div><table><tr><td>80°C</td><td>1min50s</td></tr><tr><td>100°C</td><td>1min</td></tr><tr><td>125°C</td><td>38s</td></tr></table></div><td><div><div></div><div>CONTACT TIME prolonged</div><table><tr><td>80°C</td><td>1min50s</td></tr><tr><td>100°C</td><td>1min</td></tr><tr><td>125°C</td><td>38s</td></tr></table></div><td><div><div></div><div>CONTACT TIME short-term</div><table><tr><td>100°C</td><td>37s</td></tr><tr><td>150°C</td><td>16s</td></tr><tr><td>175°C</td><td>12s</td></tr></table></div></td></td></td>	80°C	70s	100°C	30s	125°C	20s	<div><div></div><div>CONTACT TIME prolonged</div><table><tr><td>80°C</td><td>1min50s</td></tr><tr><td>100°C</td><td>1min</td></tr><tr><td>125°C</td><td>38s</td></tr></table></div> <td><div><div></div><div>CONTACT TIME prolonged</div><table><tr><td>80°C</td><td>1min50s</td></tr><tr><td>100°C</td><td>1min</td></tr><tr><td>125°C</td><td>38s</td></tr></table></div><td><div><div></div><div>CONTACT TIME short-term</div><table><tr><td>100°C</td><td>37s</td></tr><tr><td>150°C</td><td>16s</td></tr><tr><td>175°C</td><td>12s</td></tr></table></div></td></td>	80°C	1min50s	100°C	1min	125°C	38s	<div><div></div><div>CONTACT TIME prolonged</div><table><tr><td>80°C</td><td>1min50s</td></tr><tr><td>100°C</td><td>1min</td></tr><tr><td>125°C</td><td>38s</td></tr></table></div> <td><div><div></div><div>CONTACT TIME short-term</div><table><tr><td>100°C</td><td>37s</td></tr><tr><td>150°C</td><td>16s</td></tr><tr><td>175°C</td><td>12s</td></tr></table></div></td>	80°C	1min50s	100°C	1min	125°C	38s	<div><div></div><div>CONTACT TIME short-term</div><table><tr><td>100°C</td><td>37s</td></tr><tr><td>150°C</td><td>16s</td></tr><tr><td>175°C</td><td>12s</td></tr></table></div>	100°C	37s	150°C	16s	175°C	12s
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<div><div>TEMPICE 770</div><div></div><div>Thermal insulation 100% sealed for protecting against intense contact cold</div></div>	<div><div>TEMPICE 700</div><div><div></div></div><div>Dexterity and comfort for optimised thermal protection and durability</div></div>	<div><div>TEMPDEX 710</div><div></div><div>High dexterity and thermal protection</div></div>	<div><div>TEMPDEX 720</div><div></div><div>Dexterity and resistance to cuts for optimised thermal protection</div></div>	<div><div>TEMPCOOK 476</div><div></div><div>Hygienic with high-temperature thermal protection 100% liquidproof</div></div>	<div><div>TEMPTEC 332</div><div></div><div>Effective thermal insulation and multi-purpose chemical resistance</div></div>																								
<div><div>Internal finish Jersey textile support lined with a woollen sleeve</div><div>External finish Pebbled PVC coating</div><div>Size 9 10</div><div>Length 30 cm</div></div>	<div><div>Internal finish Double seamless knitted textile support</div><div>Gauge 10 for internal seamless Gauge 15 for external seamless</div><div>External finish 3/4 smooth nitrile coating with sandy nitrile on the palm and fingers</div><div>Cuff Knitted wrist</div><div>Size 7 8 9 10</div><div>Length 24-27 cm</div><div>Washable x5</div></div>	<div><div>Internal finish Seamless knitted textile support</div><div>Gauge 13</div><div>External finish Nitrile coating and dot embossing on palm and finger</div><div>Cuff Knitted wrist</div><div>Size 7 9 11</div><div>Length 23-27 cm</div></div>	<div><div>Internal finish Knitted seamless textile support made from aramid fibres</div><div>Gauge 10</div><div>External finish Nitrile coating and dot embossing on palm and finger</div><div>Cuff Knitted wrist</div><div>Size 7 9 11</div><div>Length 24-28 cm</div></div>	<div><div>Internal finish Knitted thermal protection</div><div>External finish Non-slip embossing Nitrile coating</div><div>Size 7(S) 9(M) 10(L)</div><div>Length 45 cm</div></div>	<div><div>Internal finish Knitted thermal protection</div><div>External finish Pebbled Polychloroprene (neoprene) coating</div><div>Size 8 9 10</div><div>Length 36 cm</div></div>																								
<div><div>CAT 3</div><div><div></div><div>4221X</div><div></div><div>121</div></div><div><div></div><div>KMO</div><div></div></div></div>	<div><div><div></div><div>3222X</div><div></div><div>02X</div></div></div>	<div><div><div></div><div>4111X</div><div></div><div>X1XXXX</div></div><div><div></div><div>4343B</div><div></div><div>X1XXXX</div></div><div>ISO 13997: 7N</div></div>	<div><div><div></div><div>4443D</div><div></div><div>111</div><div></div><div>X1XXXX</div></div><div><div></div><div>AFGJOT</div><div></div></div></div>	<div><div><div></div><div>2212X</div><div></div><div>111</div></div><div><div></div><div>ACLMNS</div><div></div><div>X1XXXX</div></div></div>																									
<div></div>		<div></div>		<div></div>		<div></div>																							

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 precisely the food contact tests to be performed for each type of food. So, a glove can be approved for the handling of certain foodstuffs and 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.

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 French 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 Mapa Professional website

mapa-pro.com













SELECT THE RIGHT GLOVE FOR YOU ACCORDING TO 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, liquidproof) and the performance required based on your use.

FOOD CONTACT:
YOUR SELECTION
GUIDE

SELECT
THE RIGHT GLOVE

- 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 1	YOU ARE HANDLING	 SOLO 988	 SOLO 995	 SOLO 967	 TEMPCOOK 476	 KRYTECH 838	 VITAL 177	 VITAL 165	 JERSETTE 308	 HARPON 326	 ULTRANITRIL 472	 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, STARCHES, SUGARS, CHOCOLATES AND DERIVED 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												
FRUIT, VEGETABLES AND DERIVATIVES	Confectionery products with fatty substances on the surface												
	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												
FATS AND OILS	Nuts in paste or cream form												
	Animal or vegetable, natural or treated												
ANIMAL PRODUCTS AND EGGS	Water emulsions in oil (margarine, butter)												
	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												
DAIRY PRODUCTS	Eggs, egg yolks, whites of eggs in a liquid or cooked form												
	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												
DRESSINGS	Milk powder including infant formula												
	Sauces with aqueous character												
	Sauces with fatty character (e.g. mayonnaise, salad creams...)												
	Mustard												
MIXED FOOD PREPARATIONS	Vinegar												
	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 surface												
	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 vegetable origin (fried potatoes, fritters)												
OTHERS	Fried or roasted foods of animal origin												
	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													

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.

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LIQUIDPROOF PROTECTION LATEX



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.

LIQUIDPROOF GLOVES			
MATERIAL NATURAL LATEX			
FINISHING CHLORINATED	FINISHING FLOCKED	FINISHING SMOOTH	FINISHING REINFORCED GRIP
 short WEAR	 intermittent WEAR	 continuous WEAR	
VITAL 177  Dexterity and flexibility	VITAL 165  Flexibility and precision dexterity	JERSETTE 308  Comfortable and suitable for long-term work	HARPON 326  Comfort and safety for gripping bulky, slippery foods
Internal finish Chlorinated External finish Non-slip embossing Size 6 7 8 9 10 Length 31 cm Thickness 0.40 mm	Internal finish Flocked External finish Non-slip embossing Size 7 8 9 10 Length 30.5 cm Thickness 0.29 mm	Internal finish Textile support External finish Smooth Size 6 7 8 9 10 Length 30-32 cm Thickness 1.15 mm	Internal finish Textile support External finish Reinforced grip Size 7 8 9 10 Length 32 cm Thickness 1.35 mm
CAT 3	CAT 1	CAT 3	CAT 3
EN388:2016  0010X EN ISO 374-1:2016 TYPE B  KPT EN ISO 374-5:2016  EN421 		EN388:2016  2131X EN ISO 374-1:2016 TYPE B  KPT EN407  X1XXXX	EN388:2016  3141X EN ISO 374-1:2016 TYPE B  KPT EN407  X1XXXX

LIQUIDPROOF PROTECTION NITRILE



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

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)

3

MATERIAL

Materials guide for disposable and liquid-proof gloves.

Natural latex
Flexibility, comfort and value for money.

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

LIQUIDPROOF GLOVES					
MATERIAL NITRILE					
FINISHING EASY DONNING TREATMENT		FINISHING FLOCKED			
short WEAR		intermittent WEAR			
ULTRANITRIL 472		ULTRANITRIL 475		ULTRANITRIL 495	
Fingertip precision for handling oily foods		Liquidproof and strong for handling oily foods		The lasting solution for safe handling of oily foods	
Internal finish Chlorinated		Internal finish Flocked		Internal finish Flocked	
External finish Pebbled		External finish Non-slip embossing		External finish Non-slip embossing	
Size 6 7 8 9 10		Size 6 7 8 9 10		Size 6 7 8 9 10	
Length 31 cm	Thickness 0.20 mm	Length 31 cm	Thickness 0.34 mm	Length 32 cm	Thickness 0.41 mm
CAT 3		CAT 3		CAT 3	
EN388:2016 2101X		EN388:2016 3001X		EN388:2016 3101X	
EN ISO 374-1:2016 TYPE B JOT		EN ISO 374-1:2016 TYPE B JOT		EN ISO 374-1:2016 TYPE A AJKOPT	
EN ISO 374-5:2016 VIRUS		EN ISO 374-5:2016 		EN ISO 374-5:2016 	

CRITICAL ENVIRONMENT PROTECTION

Ensuring the protection of both operators and the products they handle, the Mapa Professional ranges of gloves were designed to perfectly fulfil the requirements of high-tech production.

Created with innovative, highly technical processes and subject to inspection at every stage of their design and of packaging, these gloves satisfy all the quality criteria necessary for work in controlled environments.






















QUALITY GUARANTEES 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 9002 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 374-3, providing users with the information they need to choose a suitable glove for a given application.

YOUR PRIORITIES ARE OUR PRIORITIES

- improving the effectiveness of the users, their productivity and their 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 ROOM) ENVIRONMENT

<div>ADVANTECH 529</div> <div></div> <div>Reinforced mechanical resistance for short duration operations</div>	<div>ADVANTECH 519</div> <div></div> <div>The chemical protection of nitrile combined with excellent mechanical resistance</div>	<div>ADVANTECH 517</div> <div></div> <div>ADVANTECH 513ADVANTECH 514ADVANTECH 522</div> <div>An exclusive, comfortable tripolymer for optimum mechanical and chemical resistance</div>					
Material Nitrile	Material Nitrile	Material Mixed formulas (latex, polychloroprene (neoprene) and nitrile)					
Internal finish Chlorinated External finish Smooth with pebbled fingertips Size 6 7 8 9 10 Length 30 cm Thickness 0.10 mm	Internal finish Chlorinated External finish Chlorinated Size 7 8 9 10 Length 33 cm Thickness 0.30 mm	REF 513 Internal finish Chlorinated External finish Pebbled fingertips Size 9 Length 30.5 cm Thickness 0.20 mm	REF 514 Internal finish Chlorinated External finish Non-slip embossing Size 7 8 9 10 Length 38 cm Thickness 0.50 mm	REF 517 Internal finish Chlorinated External finish Non-slip embossing Size 6 7 8 9 10 Length 36 cm Thickness 0.50 mm	REF 522 Internal finish Chlorinated External finish Non-slip embossing Size 8 9 10 Length 62.5 cm Thickness 0.50 mm		
CAT 3		CAT 3		CAT 3			
EN ISO 374-1:2016 TYPE B  JKT EN ISO 374-5:2016  EN421 		EN388:2016  2001X EN ISO 374-1:2016 TYPE B  JOT EN ISO 374-5:2016 		EN ISO 374-1:2016 TYPE B  KPT EN ISO 374-5:2016  EN421 		EN388:2016  1110X EN ISO 374-1:2016 TYPE B  KST EN ISO 374-5:2016 	
  							

Packaging information

References	Pair/Bag	Pairs/ Masterbag	Pairs/ Carton	Page N°
115	1	10	100	15
117	1	10	100	15
124	1	10	100	15
165	1	10	100	53, 57
175	1	10	100	15
177	1	10	100	15, 53, 57
180	1	10	100	15
181	1	10	100	15
185	1	10	100	15
186	1	10	100	15
210	1	10	100	15
258	1	10	100	17
260	1	10	50	19
285	1	-	30	19
298	1	5	50	19
299	1	5	50	19
300	1	5	50	17
301	1	5	50	17
307	1	5	50	17
308	1	5	50	53, 57
319	1	5	50	37
321	1	-	50	19
325	1	5	50	19
326	1	5	50	53, 57
328	1	12	96	37
330	1	5	50	37
332	1	-	6	51
339	1	-	6	23
340	1	5	50	23
341	1	5	50	23
344	1	-	1	25
351	-	12	72	15
361	-	5	50	15
375	1	5	50	35
376	1	5	50	35
377	1	5	50	21
380	1	6	48	49
381	-	12	72	21
382	-	12	72	23
383	-	10	100	35

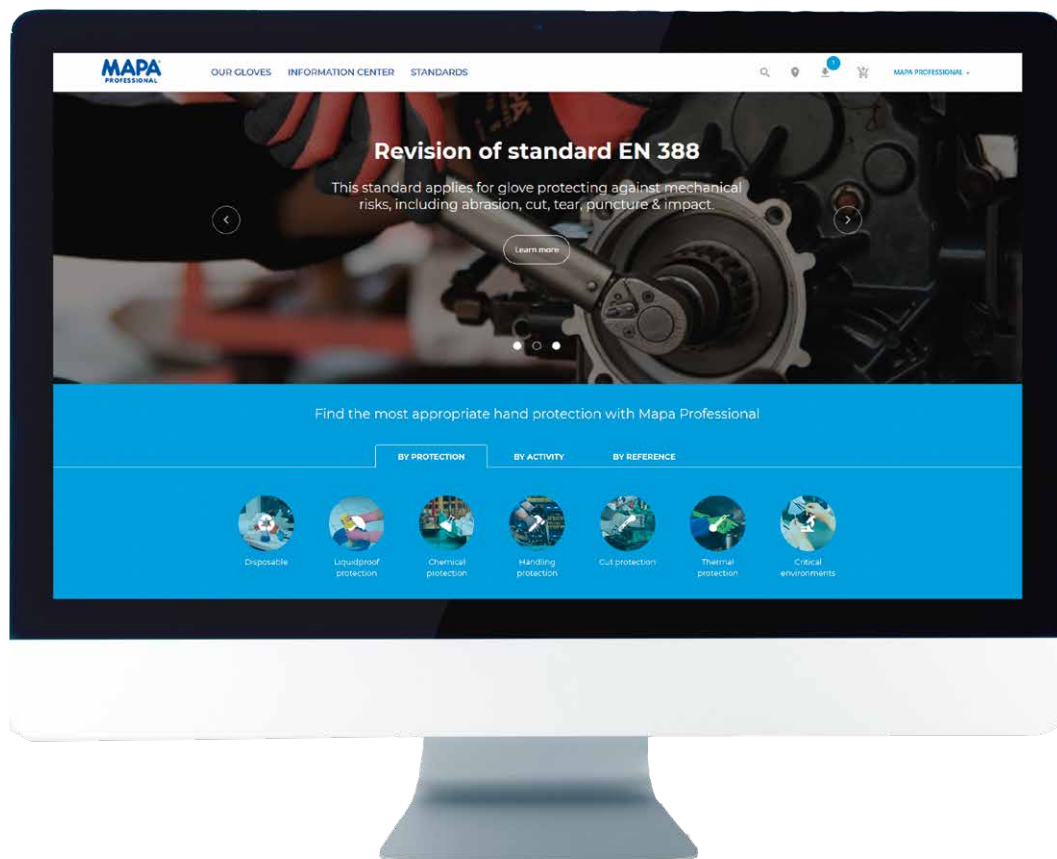
References	Pair/Bag	Pairs/ Masterbag	Pairs/ Carton	Page N°
529	-	100	1 000	61
532	-	6	72	47
532 VM	1 sleeve	-	72 sleeves	47
532 S	-	6	72	47
538	-	6	48	47
538 VM	1 sleeve	-	48 sleeves	47
540	1	-	100	15
541	-	12	96	33
544	1	12	96	33
548	1	12	96	31
548 VM	1 sleeve	12 sleeves	96 sleeves	31
549	1	12	96	31
549 VM	1 sleeve	12 sleeves	96 sleeves	31
550	-	10	100	31
550 VM	1 sleeve	10 sleeves	100 sleeves	31
551	-	10	100	31
551 VM	1 sleeve	10 sleeves	100 sleeves	31
553	1	10	100	33
553 VM	1 sleeve	10 sleeves	100 sleeves	33
557	1	10	50	39
557 VM	1 sleeve	5 sleeves	50 sleeves	39
558	1	12	96	39
563	1	12	96	39
578	1	12	48	39
579	1	12	96	39
579 VM	1 sleeve	6 sleeves	96 sleeves	39
580	1	12	48	45
580 VM	1 sleeve	6 sleeves	48 sleeves	45
582	1	12	48	45
582 VM	1 sleeve	12 sleeves	42 sleeves	45
584	1	12	96	39
585	1	12	48	45
586	1	12	48	43
586 VM	1 sleeve	6 sleeves	48 sleeves	43
588	1	12	48	39
588 VM	1 sleeve	12 sleeves	48 sleeves	39
599	1	12	48	45
600	1	12	48	45
601	-	12	48	41
602	6	-	-	47

385	-	10	100	35
388	-	10	100	35
391	-	10	100	35
392	-	10	100	35
393	-	10	100	35
395	1	-	12	49
397	1	10	100	35
401	1	10	100	23
405	1	10	100	17
407	1	6	48	23
414	1	-	12	23
415	1	10	100	17
420	1	10	100	23
450	1	10	50	23
454	1	-	50	21
468	1	-	1	25
472	-	10	100	21, 53, 59
475	1	12	72	53, 59
476	1	-	6	51, 53, 55
480	1	-	12	21
487	-	10	100	21
485	-	12	72	21
491	-	10	50	21
492	1	10	100	21
492 VM	1 sleeve	12 sleeves	72 sleeves	21
493	1	10	50	21
495	1	10	100	53, 59
500	1	12	96	33
500 VM	1 sleeve	6 sleeves	96 sleeves	33
510	1	12	96	31
513	-	50	200	61
514	1	12	72	61
517	1	12	72	61
519	1	12	72	61
520	1	10	100	15
522	1	6	48	61
524	1	12	96	31
525	1	12	96	33
525 VM	1 sleeve	6 sleeves	96 sleeves	33
526	1	12	96	33
527	1	12	96	33

603	6	-	72	47
610	1	12	48	41
615	1	12	48	43
622	1	12	48	43
641	1	12	96	33
642	1	12	48	39
643	1	12	48	41
644	1	12	48	43
645	1	12	48	43
648	1	12	96	31
650	1	-	25	25
651	1	-	25	25
700	1	12	72	51
710	1	10	50	51
710 VM	1 sleeve	5 sleeves	50 sleeves	51
720	1	12	72	51
720 VM	1 sleeve	6 sleeves	72 sleeves	51
770	1	-	48	51
810	1	12	48	41
815	1	12	48	43
832	1	12	72	49
833	-	10	100	35
836	1	12	48	49
837	-	12	48	49
838	1	-	10	49, 53, 55
840	1	12	72	49
850	1	12	48	37
851	1	12	48	49
967	-	100	1 000	29, 53, 55
977	-	100	1 000	29
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990	-	100	1 000	27
992	-	100	1 000	27
994	-	100	1 000	29
995	-	100	1 000	27, 53, 55
996	-	100	1 000	29
997	-	100	1 000	29
998	-	100	1 000	27
999	-	100	1 000	29

For more information

www.mapa-pro.com



- **Selection guides**
for each segment to help you choose the right glove
- **An advanced search engine**
to find a product based on your own criteria, with a database continuously updated
- **A tool to help you locate**
your nearest Mapa Professional distributor

And, of course, news, downloadable documents, a technical glossary, an FAQ section, etc.

Find all our documentation on your smartphone !



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