

STANDARD REVISION EN 388: 2016

Standards for glove protecting against mechanical risks, including abrasion, cut, tear & puncture.

The Standards revision was improved because the Couptest method for cut resistance did not fully qualify correctly the differences in high resistant gloves performance. Major modifications are the following:

Cut resistance

A more reliable Couptest method with improved control of the blade

A fifth digit under the pictogram

is created to indicate the cut level according to the ISO 13997 test.

MAPA Professional was already using this method for many years.

Abrasion resistance

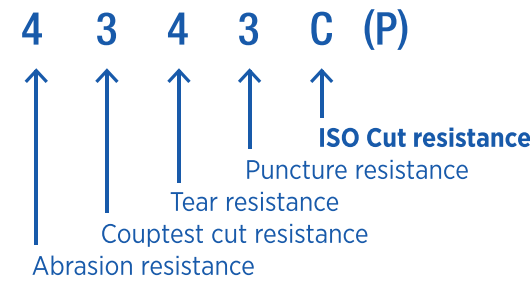
The abrasion test is done with a new abrasive paper (Klingspor PL31B 180 grit), a more reliable quality paper than the one used previously.

EN 388



NEW

Protection against impacts
New test according to EN 13594: 2015 standard which allows protection against impacts to be claimed. If the glove passes the test, the letter (P) is added after the five digits under the pictogram.



PERFORMANCE LEVELS (value greater than or equal to...)

| Test | Level 1 | Level 2 | Level 3 | Level 4 | Level 5 | |
|---|--------------|--------------|---------------|---------------|---------------|---------------|
| Abrasion resistance (cycles) | 100 | 500 | 2000 | 8000 | | |
| Cut resistance - Couptest (index) | 1.2 | 2.5 | 5.0 | 10.0 | 20.0 | |
| Tear resistance (Newton) | 10 | 25 | 50 | 75 | | |
| Puncture resistance (Newton) | 20 | 60 | 100 | 150 | | |
| Cut resistance according to EN ISO 13997 (Newton) | Level A 2 | Level B 5 | Level C 10 | Level D 15 | Level E 22 | Level F 30 |

Note: The letter X means that the test was not performed or is not applicable.

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PRODUCT SPECIFICATION

The new Cut Range combines the need of high cut protection and expectations in terms of SAFETY, COMFORT & DURABILITY.

| Reference | KRYTECH 610 | KRYTECH 615 | KRYTECH 622 |
|------------------------------|--|-------------|-----------------|
| | | | |
| Cut Protection | LEVEL C | LEVEL D | LEVEL E |
| Standards & labels | | | |
| Gauge | 13 | | |
| Length | 24 - 29 cm | | |
| Interior and exterior finish | Seamless textile made of composites yarn and HDPE Polyurethane coating on palm and fingers Knitted wrist | | |
| Size | 6 7 8 9 10 11 | | |
| Packaging | 1 pair in single pack — 1 masterbag of 12 pairs — 48 pairs by carton | | |
| Washable | 3 times at 60°C | | 5 times at 60°C |
| Advantages | Cut protection with maximum comfort and dexterity A seamless plaited glove for very good fit and flexibility High durability that optimizes your costs Optimal Breathability Cut level easy to identify thanks to the clear marking on the back of the glove Touch screen available for the Krytech 615 and 622 | | |

There are a variety of risks depending upon the environment.
MAPA Professional provides you with a complete range of protective gloves.
Please visit our website mapa-pro.com

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NEW

CUT PROTECTION DRY ENVIRONMENT PRECISION WORK

Increased safety,
comfort
& durability



KRYTECH 610

KRYTECH 615

KRYTECH 622



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PRODUCT BENEFITS

According to research accident at work statistics, 33% of accidents concern injuries to hands and 19% are due to cut/lacerations.*

These facts have raised safety awareness among workers and end-user companies.

*According to data from CPAM, 2017 (French NHS).

MAPA Professional has taken into account the growing customer demand for gloves with increased comfort and better performance.

| | | | |
|---|---|--|--|
|  | Composition A combination of HDPE yarn, of composite fibres and/or steel fibres adapted to each level of cut protection. | | |
|  | Knitting - Platting A soft and silky fibre on the interior side thanks to an innovative technology of knitting. | Gauge Flexibility and dexterity at fingertips thanks to the fineness of the fabric (gauge 13). | Breathability A better perspiration control thanks to an excellent air circulation, allowed by the polyurethane coating. |
|  | Coating An excellent dipping technology that allows perfect holding properties of the coating. | Maintenance Performance of the glove are maintained after washing at 60°C, for cost optimization. | |
|  | OEKO-TEX® 100 STANDARD 100 by OEKO-TEX® is an international standardised test and certification system that guarantee a complete protection for health. | Yarn covering A efficient yarn covering of composite fibres and/or steel fibres that allies performance and skin protection. | Silicon Free Avoid any marks when holding pieces (suitable for painting). |
|  | Touch Screen** Suitable for any tactile device | | |
|  | Marking Cut level easy to identify thanks to the clear marking on the back of the glove | | |

** For KryTech 615 & 622

FOR INDUSTRIES SUCH AS

Automotive industry
Aeronautics
Metal industry

Mechanical industry
Building industry
Glass industry

MAPA SOLUTION KRYTECH 610 KRYTECH 615

CUT PROTECTION
LEVEL C

EN388
4X43C

ISO 13997:
14,9N
(1519g)



CUT PROTECTION
LEVEL D

EN388
4X43D

ISO 13997:
20N
(2039g)



Touch
Screen

-  Cut protection
-  Comfort
-  Durability
-  Skin protection



EXAMPLES OF APPLICATION CUT LEVEL C



Handling glass Work in mechanical workshop Aeroplane Maintenance

EXAMPLES OF APPLICATION CUT LEVEL D



Work on display screen on site Cable path handling Partition wall assembly

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MAPA SOLUTION KRYTECH 622

CUT PROTECTION
LEVEL E

EN388
4X43E

ISO 13997:
29,5N
(3007g)

Touch
Screen



-  **Cut protection**
A strong cut protection without compromise on comfort and dexterity.
-  **Comfort**
Anatomical shape: close fit for precision. Fibre platting and optimized coating covering.
-  **Durability**
A higher durability that offers better productivity and optimizes your costs.
-  **Skin protection**
Silicon Free
OEKO-TEX® certified



EXAMPLES OF APPLICATION CUT LEVEL E



Work on display screen on site Metal cutting Rolling Construction industry: glazing

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