

# 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

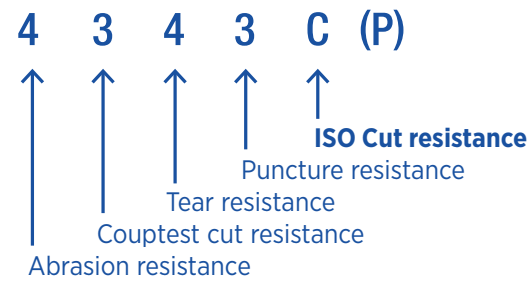
A more reliable Couptest method with improved control of the blade

A **fifth digit under the pictogram** is created to indicate the cut level according to the ISO 13997 test.

MAPA Professional has been 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.



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.

# PRODUCT SPECIFICATION

MAPA Professional new Oily Cut Range combines the need of cut protection and expectations in terms of COMFORT, DURABILITY & an EXCELLENT GRIP when handling oily or dirty parts.

Reference	KRYTECH 585	KRYTECH 582
Cut Protection	LEVEL C	LEVEL D
Standards & labels	  	  
Interior and exterior finish	Seamless textile made of composites yarn and HDPE Nitrile coating Grip&Proof on palm and fingers Knitted wrist	Seamless textile made of composites yarn and HDPE ¾ Nitrile coating Grip&Proof Knitted wrist
Gauge	15	13
Length	24 - 30 cm	23 - 28 cm
Size	7 8 9 10 11	
Packaging	1 pair in single pack — 1 masterbag of 12 pairs — 48 pairs by carton KryTech 582 is available in Vending Machine packaging	
Washable	3 times at 60°C	5 times at 60°C
Advantages	Cut protection with <b>maximum comfort and dexterity</b> <b>Grip&amp;Proof technology</b> that combines a very good grip and oil proofness <b>High durability</b> that optimizes your costs <b>Cut level easy to identify</b> thanks to the clear marking on the back of the gloves KryTech 585: a seamless plaited glove for <b>very good fit and flexibility</b>	

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](http://mapa-pro.com)



NEW

## CUT PROTECTION OILY ENVIRONMENT PRECISION WORK

Increased safety,  
comfort & durability



KRYTECH 582

KRYTECH 585



# PRODUCT BENEFITS

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

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

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

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



Cut protection

## Composition

A combination of HDPE yarn and composite fibres adapted to each level of cut protection.



Comfort

## Knitting - Platting

A soft and silky fibre on the interior side thanks to an innovative technology of knitting.

## Nitrile covering

A coating that does not cover the articulation on the back to provide a better suppleness and comfort.

## Gauge

Flexibility thanks to the gauge 15.



Grip&Proof technology

## Oil proofness

Proofness of the coating which avoids the contact of the oil with the hand to prevent dermatitis and skin irritation.

## Grip

Excellent grip when handling oily and dirty parts that prevents risks from dropping objects and offers better productivity.



Durability

## Coating

An excellent dipping technology that allows perfect holding properties of the coating.

## Maintenance

Performance of the glove is maintained after 3 or 5 washing cycles at 60°C, for cost optimization.



Skin protection

## 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 that allies performance and skin protection.

## Silicon Free

Avoid any marks when holding pieces.

## Marking

Cut level easy to identify thanks to the clear marking on the back of the glove.

\*\*For KryTech 585

FOR INDUSTRIES SUCH AS

Automotive industry  
Aeronautics  
Metal industry

Mechanical industry  
Building industry  
Glass industry

# MAPA SOLUTION KRYTECH 585

CUT PROTECTION  
**LEVEL C**

EN388  
4X42C

ISO 13997:  
13N  
(1326g)



## Comfort

Close fit for precision.  
Fibre platting  
Optimized coating covering allowing protection and comfort



## Grip&Proof technology

Oilproof and excellent grip when handling dirty or oily cut parts. Good grip reduces muscle fatigue, offers better productivity



## Durability

A higher durability that offers better productivity and optimizes your costs



## Skin protection

Silicon Free  
OEKO-TEX® certified



EXAMPLES OF APPLICATION  
**CUT LEVEL C**



Stamping



Scaffolding assembly



Sling handling

mapa-pro.com

A solution for every hand that works  
**MAPA**  
PROFESSIONAL

# MAPA SOLUTION KRYTECH 582

CUT PROTECTION  
**LEVEL D**

EN388  
4X43D

ISO 13997:  
18N  
(1835g)



## Grip&Proof technology

Oilproof and excellent grip when handling dirty or oily cut parts. Good grip reduces muscle fatigue, offers better productivity



## Durability

A higher durability that offers better productivity and optimizes your costs



## Skin protection

Silicon Free  
OEKO-TEX® certified



EXAMPLES OF APPLICATION  
**CUT LEVEL D**



Maintenance



Handling of metal chips



Mechanical work

mapa-pro.com

A solution for every hand that works  
**MAPA**  
PROFESSIONAL