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8000 REVISION **OF STANDARD EN 388**

MAPA PROFESSIONNEL,

a global leader in the manufacture and development of protective gloves provides assistance in understanding the new standards and undertakes to offer a range of products which are fully compliant.



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A solution for every hand that works





Standard EN 388 : 2016

This standard applies to gloves protecting against mechanical risks, including abrasion, cut, tear and puncture. It was necessary to revise the standard as the cut resistance test (Couptest) did not allow the performance of high resistance gloves to be gualified correctly.



The changes

Cut resistance

BEFORE

The method for assessing cut resistance of glove is currrently the Couptest. Method which measures the number of cycles (forwards and backwards) to cut a sample with a low pressure (5N /approximately 500g).



NOW

The Couptest method has been made more reliable with improved control of the blade. If the glove material dulls the blade, then the reference test becomes EN ISO 13997. A fifth digit under the pictogram is created to indicate the cut level according to the ISO 13997 test. If there is no dulling on the blade, the Couptest test remains the reference test; however the level of performance according to the ISO 13997 test may be reported. MAPA Professionnel

was already using a more suitable test for characterising gloves with a high resistance to cut, the ISO 13997 test.



Abrasion resistance

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





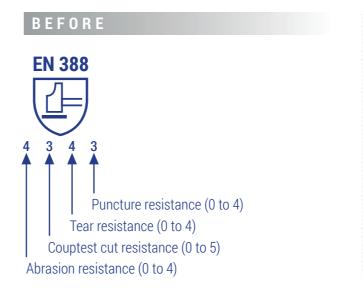
PL31B 180 grit



NEW

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.

Pictograms



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

PERFO	RMANCE I	EVELS*					
Test	Level 1	Level	2 Le	vel 3	Le	evel 4	Level 5
Abrasion resistance (cycles)	100	500	500 200		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	-
	Level A	Level B	Level C	Level D		Level E	Level F
Cut resistance according to EN ISO 13997 (Newton)	2	5	10	1	5	22	30



