GUANTE JUBA - 408KS WELDY

Premium double bend split leather welders

NORMATIVE

CE
CAT.II

EN 12477:
2001 + A1:2005
TYPE A

EN 388:2016+A1:2018
4142X

EN 407:2020
41324X

CHARACTERISTICS

- **Extra quality leather.**
- **Heat resistant by contact (100ºC for 15 seconds).**
- **Excellent behavior to flame, small molten metal splashes and convective and radiant heat.**
- **Very comfortable thanks to its inner cotton lining on the palm and back.**
- **Sewn with Kevlar® yarn for durability.**
- **Split leather reinforcement in the thumb area.**
- **Complies with EN12477: 2001 + A1: 2005 standard for protective gloves for type A**

WORKING GLOVES SUITABLE FOR:

- **Welding work.**
- **Mechanical works.**
- **Naval industry.**

Distributed by:

NorSafe® WE PROTECT

welders.

MORE INFO

Materials	Colour	Thickness	Length	Sizes	Packaging
Leather	Orange	1.30 mm	XL - 40 cm	10/XL	6 pairs/package 36 pairs/box

NORMATIVAS

EN 12477:2001 + A1:2005
TYPE A

Requirements and test methods for welder's gloves. It classifies them into two types:

- **Type A** general welder gloves.
- **Type B** tact welder gloves. High desterity TIG welding case.

Warnings

At the moment there is no test method to determine the penetration of UV radiation through the materials from which the glove is made.
When gloves are intended for arc welding: These gloves do not provide protection against electric shock caused by faulty equipment or live work, and electrical resistance is reduced if the gloves are damp, dirty, or sweat-wet, which could increase the risk.

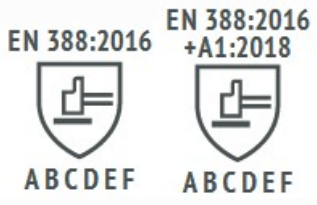
Property	Minimum requirements		
	Standard number en	Type a	Type b
Abrasion resistance	En 388	2 (500 cycles)	1 (100 cycles)
Blade cut resistance	En 388	1 (index 1,2)	1 (index 1,2)
Tear resistance	En 388	2 (25 n)	1 (10 n)
Puncture resistance	En 388	2 (60 n)	1 (20 n)
Fire behavior	En 407	3	2
Contact heat resistance	En 407	1 (contact temperature 100ºc)	1 (contact temperature 100ºc)
Convective heat resistance	En 407	2 (hti ≥ 7)	-
Resistance to small molten metal splashes	En 407	3 (25 drops)	2 (15 drops)
Desterity	Pren420:1998	1 (diameter less than 11 mm)	4 (diameter less than 6,5 mm)

Minimum glove length						
Size	**6**	**7**	**8**	**9**	**10**	**11**
Length	300mm	310mm	320mm	330mm	340mm	350mm

EN388:2016

EN388:2016 Protective gloves against mechanical risks.
The EN388: 2003 standard is renamed EN388: 2016, the year of its revision. The reason for the modification is given by the discrepancies in the results between laboratories in the knife cut test, COUP TEST. Materials with high levels of cut produce a dulling effect on the circular blades, which undermines the result.

The new regulation was published in November 2016 and the previous one is from the year 2003. During these 13 years, there has been a great innovation in the materials for the manufacture of cutting gloves, they have forced to introduce changes in the tests to be able to measure with more rigorous levels of protection. If you want to know more about the main changes in these regulations, you can consult it through our website www.jubappe.es



A - Abrasion resistance (X, 0, 1, 2, 3, 4)

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B - Blade Cut Resistance (X, 0, 1, 2, 3, 4, 5)
C - Tear resistance (X, 0, 1, 2, 3, 4)
D - Puncture resistance (X, 0, 1, 2, 3, 4)
E - Cutting by sharp objects ISO 13997 (A, B, C, D, E, F)
F - Impact test complies / does not comply (It is optional. If it complies, put P)

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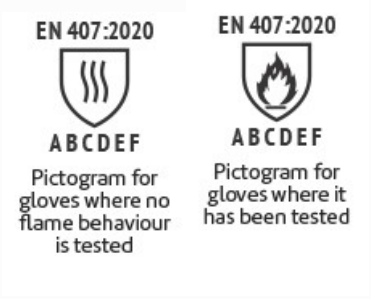
En388:2016 performance levels	1	2	3	4	5
6.1 abrasion resistance (cycles)	100	500	2000	8000	-
6.2 blade cut resistance (index)	1,2	2,5	5	10	20
6.4 tear resistance (newtons)	10	25	50	75	-
6.5 puncture resistance (newtons)	20	60	100	150	-

Eniso13997:1999 performance levels	A	B	C	D	E	F
6.3 tdm: cut resistance (newtons)	2	5	10	15	22	30

EN 407:2020



Ratified by the Spanish Standardisation Association in June 2020.

Main changes:

- Extension of the scope of the standard to domestic use: oven mitts/gloves.
- Gloves that reach a level 3 or 4 of any thermal property must reach at least a level 3 in flame propagation. Otherwise, the maximum level that may be reached in the relevant thermal property shall be level 2.
- Propagation limited to flame: prohibition of hole formation. Reduction of maximum post-combustion time for level 1. Change in ignition timing.
- Heat by contact. Obligation to test any material coming in contact with heat.
- Tear resistance. This trial is included.
- Convective heat. The test is performed without reinforcement.
- New pictogram, for gloves without flame protection.
- A minimum length is introduced when resistance against small molten metal splashes is present.
- **After heat resistance tests, the samples must not suffer signs of melting or holes.**

Level of preformance	Post-inflammation time	Post ignition time
1	≤ 15	Not required
2	≤ 10	≤ 120
3	≤ 3	≤ 25
4	≤ 2	≤ 5

Level of performance	Contact temperature	Threshold time (s
1	100	≥ 15
2	250	≥ 15
3	350	≥ 15
4	500	≥ 15

Level of performance	Heat transfer rate t_3

Minimum length of the tested gloves for e or f

Size	Length
5	290
6	300
7	310
8	320
9	330
10	340
11	350
12	360
13	370

A - Flame Behaviour
Changes in method and table. To perform the test, the ignition time now goes from 15 to 10" and the post-ignition time for level 1 goes from 20 to 15".

B - Heat by contact
Changes in the test method. In EN407:2004 only the palm is tested, whereas with EN407:2020 any other point that may come into contact is tested.

- Contact temperature
- Threshold time (S)

C - Convective heat
Changes in the test method. From EN373 to ENISO9185:2007

D - Radiant heat
There are no modifications. Internal layers must not show signs of melting or show holes.

E - Small splashes
There are no modifications. Internal and external layers may not be melted or pierced.

Level of performance	Hti heat transfer rate
1	≥ 4
2	≥ 7
3	≥ 10
4	≥ 18

F - Large splashes
Changes in the test method.

1		≥ 7	
2	**Level of performance**	≥ 20	**Heat transfer rate t_3**
3		≥ 50	
4		≥ 95	

Level of performance	**Number of drops**
1	≥ 5
2	≥ 15
3	≥ 25
4	≥ 35

Level of performance	**Cast iron (g)**
1	30
2	60
3	120
4	300