# Leather glove - Welder

# 51WELD


Made under ISO 14001 ISO 9001

## >> Use (*)

Ideal for heavy handling in dry environments, for certain types of welding work (type A) etc.
Metallurgical industry, glassworks, industrial maintenance, molding, demolding ...
(Information given as an indication, it is up to the user to verify if the product is suitable for the intended use).

## >> Technical features

- **Construction :** cut-and-sewn. **Fourchettes pattern.** Straight sewn thumb. Wrist elastic tightening. **With split reinforcement on the palm and the forefinger.** With sewn safety cuff.
- **Materials :** full cow split leather. Cow split reinforcement on palm and forefinger. **Sewn with para-aramid thread.** Glove completely lined with a cotton fleece for a good insulation against heat
  The cuff is lined with a cotton canvas. .
- **Color:** brown.
- **Sizes :** 9 & 10.
- **Packing :** - carton of 50 pairs.
  - bundle of 10 pairs.

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## >> Main advantages

- Reliability of an **ISO9001** manufacturing. **ISO14001** certification.
- Ergonomic fitting with fourchettes pattern that provides excellent dexterity to the user.
- Soft and strong leather. Very comfortable.
- Protection of the forearm with the cuff. Good protection against convective heat.
- Fully lined for good insulation.

Protection against heat

## >> Conformity

This glove has been tested to the following European standards:

- **EN 420 : 2003 +A1 : 2009.** Protective gloves - General requirements and test methods.
- **EN 388: 2016.** Protective gloves against mechanicals risks.
- **EN 407: 2004**. Protective gloves against thermal risks (heat and/or fire).
- **EN 12477: 2001 +A1: 2005.** (Type A). Protective gloves for welders.

It complies with the **European Regulation (EU) 2016/425** on Personal Protective Equipment (PPE).
**Category II.** Intermediate design.
EU type examination certificate (**module B**) by **AITEX.** Notified body **No 0161.**

**EN 388 : 2016** — **4 2 3 4 X**

**EN 407 : 2004** — **4 1 3 X 4 X**

**EN 12477 : 2001 +A1 : 2005 TYPE A**

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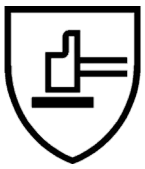
(*) Type of use is given as a guide only. It is to the end user to check whether the product is suitable or not for the intended use. Before any use, read carefully the instructions enclosed with the product. Issue TM 190718 .Copyright: Singer.

## EN 388: 2016. Protective gloves against mechanical risks

| Mechanical data. Information about levels. | Level 1 | Level 2 | Level 3 | Niveau 4 | Level 5 | Levels ▼ |
|---|---|---|---|---|---|---|
| Abrasion resistance (number of cycles) | 100 | 500 | 2000 | 8000 | - | 4 |
| Blade cut resistance (index) | 1,2 | 2,5 | 5,0 | 10,0 | 20,0 | 2 |
| Tear resistance (in Newtons) | 10 | 25 | 50 | 75 | - | 3 |
| Perforation resistance (in Newtons) | 20 | 60 | 100 | 150 | - | 4 |

| Cut resistance (as per EN ISO13997) (TDM test) | Level A | Level B | Level C | Level D | Level E | Level F | Level |
|---|---|---|---|---|---|---|---|
| | 2 | 5 | 10 | 15 | 22 | 30 | X |

**EN 388 : 2016**



**4 2 3 4 X**

«X» means that the glove has not been submitted to the test.

## EN 407 : 2004. Protective gloves against thermal risks (heat and/or fire)

**EN 407: 2004**

**4 1 3 X 4 X**

The performance levels are only for the complete glove, all layers included.
«X means that the glove has not been submitted to the test.

| | Thermal data (tests) | Performance levels chart 1 | 2 | 3 | 4 | Results ▼ |
|---|---|---|---|---|---|---|
| a1 | Burning behaviour | ≤ 20s | ≤ 10s | ≤ 3s | ≤ 2s | 4 |
| a2 | | No require-ment | ≤ 120s | ≤ 25s | ≤ 5s | |
| b | Contact heat | 100°C ≥ 15 s | 250°C ≥ 15 s | 350°C ≥ 15 s | 500°C ≥ 15 s | 1 |
| c | Convective heat | ≥ 4 s | ≥ 7 s | ≥ 10 s | ≥ 18 s | 3 |
| d | Radiant heat | ≥ 7 s | ≥ 20 s | ≥ 50 s | ≥ 95 s | X |
| e | Small splashes of molten metal | ≥ 10 s | ≥ 15 s | ≥ 25 s | ≥ 35 s | 4 |
| f | Large splashes of molten metal | 30g | 60g | 120g | 200g | X |

a1) After flame time (seconds).
a2) After glow time (seconds).
b) Contact temperature/ Threshold time (seconds).
c) Heat transfer index (HTI) (seconds).
d) Heat transfer ($T_{24}$) (seconds).
e) Number of droplets which produce a temperature rise of 40 °C.
f) Molten iron (in grams).

**EN 12477: 2001 + A1: 2005 Type A.** Gants de protection pour soudeurs.
Gloves welders type A, recommended for welding processes other than type B
(type B recommended when dexterity is required, as for T.I.G welding).

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