

## TECHNICAL SHEET

### Protective gloves for welders, type A, Model 3C50



**Description:** gloves with five fingers, made by sewing from bovine split leather, velor, fireproof, fully lined with fluffed tricot in the area of the actual hand and with textile fabric at the cuff. The thumb, index and little fingers are cut together with the palm, and the others separately. The back of the glove is in one piece. All joints are reinforced with cheder. The extremity of the glove is folded and sewn. Total length about 350 mm. Split color: yellow. Lining color: black or other colors. Sizes: 10, 11

**Field of use:** protective gloves used for manual electric arc welding and cutting of metals, which protect the hands and wrists against small projections of molten metal, short-term exposure to a limited flame, convective heat, contact heat, UV radiation emitted by the arc, which ensures minimal resistance to 100 V d.c. for arc welding, as well as protection against mechanical aggressions (abrasion, cutting, hanging and perforation) when increased dexterity is not required, when handling dry parts

**Performance:** the gloves are designed in such a way as to comply with the provisions of Regulation (EU) 2016/425 and the essential safety and health requirements corresponding to the intended field of use. They are made of natural leather. The materials used contain chromium salts in quantities within the limits specified in the standards.

The product was subjected to the "EU type examination" procedure (module B) provided by art. 19 of Regulation (EU) 2016/425 for PPE of category II and described in annex V, to the Certification Body notified by the European Commission (identification no. 2475); Euroinspekt Eurotextil d.o.o., Ivana Matetica Ronjgova, 10000 Zagreb, Croatia, which issued the EU Type Examination Certificate.

The **performance of the product** is in accordance with the specifications of the standards:

- EN 12477: 2001/A1:2005 - marking symbols type A
- EN 388:2016+A1:2018 - performance levels/classes 4 1 4 2 X
- EN 407:2020- performance levels/classes 4 1 3 X 4 X
- EN ISO 21420:2020 all requirements, dexterity level 2

### The results of the mechanical tests in accordance with EN 388:2016+A1:2018

Mechanical data tested	Result	Mechanical properties	Level 1	Level 2	Level 3	Level 4	Level 5
Abrasion resistance	Level 4	Abrasion (Cycles)	100	500	2000	8000	-
Cut resistance	Level 1	Cutting (index)	1.2	2.5	5.0	10.0	20.0
Tear resistance	Level 4	Tearing (Newton)	10	25	50	75	-
Puncture resistance	Level 2	Perforation (Newton)	20	60	100	150	-
TDM cut resistance	Level X	Cutting force (Newton)	A>2 ; B>5 ; C>10 ; D>15 ; E>22 ; F>30				
Characteristic, unit of measure	Reference standard requirement	Level 1	Level 2	Level 3	Level 4	Level 5	Method reference standard
Fire behavior	Level: 4 5.1 / EN 407+ 3.3/EN 12477	- the material does not drip. - the lower layer of the glove shows no signs of melting, - the seams withstand a flame exposure time of 15 s on the test surface.					6.3 / EN 407 (EN ISO 6941 modified)
		≤ 20	≤ 10	≤ 3	≤ 2	-	
Duration of flame persistence, s		No requirement	≤ 120	≤ 25	≤ 5	-	
The duration of residual incandescence, s		100°C	250°C	350°C	500°C		6.4 / EN 407: (EN 702).
Resistance to contact heat - threshold time s 15s for contact temperature specific to the declared performance level, in 0C	Level: 1	≥ 4	≥ 7	≥ 10	≥ 18		6.5 / EN 407 (EN 367):
Resistance to convective heat - HTI heat transmission index	5.2 / EN 407+ 3.3/EN 12477	≥ 7	≥ 20	≥ 50	≥ 95		6.6 / EN 407: (EN ISO 6942:2002, method B)
Radiant heat resistance - Heat transfer index t24, in s	Level: 3	≥ 10	≥ 15	≥ 25	≥ 35		6.7 / EN 407: (EN 348)
Resistance to small projections of liquid metal, number of drops	5.3 / EN 407+ 3.3/EN 12477	≥ 30	≥ 60	≥ 120	≥ 200		6.8 / EN 407: (EN 373, with modifications)
	It is not declared	11	9,5	8	6,5	5	EN 420



+40 265 264 817

EN 388:2016+A1:2018

EN 12477: 2001/A1:2005- tip A  
EN 407:2020



4 1 4 2 X



4 1 3 X 4



**The meaning of the markings on the gloves:** manufacturer identification + model identification + European conformity mark + size + manufacturing lot code (unique number or at least year of manufacture) + pictograms corresponding to the risks against which the PPE provides protection + alongside of icons, the codes of fully respected standards and code letters, numbers or other symbols corresponding to the performance levels/classes or specific types defined in each fully respected standard, with the meaning indicated in this document + the warning icon on the instructions. The order of the numbers indicates the order in the table above:

**Packaging:** plastic bag, 12 pairs each.

**Transport:** with covered means of transport.

**warnings**

No trials were conducted in an environment other than the standardized ones

The glove is not resistant to water penetration

The gloves have a high resistance to tearing and it is not recommended to wear them when there is a risk of catching parts of moving machines.

**The materials used contain chromium oxides; although the Cr VI content is within the limits imposed by the harmonized standard, the gloves can cause irritation on sensitive hands.**



**Cautions and warnings for use as protective gloves against mechanical risks, according to EN 388**

No trials were conducted in an environment other than the standardized ones

F Gloves are made up of two or more layers, and the overall classification does not necessarily reflect the performance of the outer layer.

The gloves provide protection against mechanical risks limited only to the palm area.

The gloves have a high resistance to tearing and it is not recommended to wear them when there is a risk of catching parts of moving machines.



**Cautions and warnings for use as protective gloves against heat and/or fire, according to EN 407**

During the specific tests, the level of performance in fire behavior was equal to 1 / 2 and therefore the gloves will not be used at workplaces where they can come into direct contact with the flame!

The gloves are made of several layers of materials; performance levels against heat and/or fire or against mechanical risks only apply to the entire glove, and the global classification does not necessarily reflect the performance of the outer layer! Performance levels only apply to the entire glove, which includes all layers!



**Cautions and warnings for use as protective gloves for welders, according to EN 12477**

Φ Type A gloves are recommended for welding processes that do not require great dexterity (other than TIG).

Φ There is currently no standardized test method to detect U.V. penetration through glove materials, but current welding protective glove design

methods normally do not allow U.V. penetration.

Φ These gloves can be used for electric welding, but do not provide protection against electric shock caused by faulty equipment or live work.

Φ The electrical resistance of the gloves is reduced if they are wet, dirty or soaked with sweat, which can increase the electrical risk.

The EU Declaration of Conformity and the EU Instructions for Use can be downloaded at: <https://renania.ro/>

Any other information can be obtained at:

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