

WELDING PROTECTIVE GARMENTS

Instruction for use



PLEASE READ THESE INSTRUCTIONS CAREFULLY

Current legislation (Italian Legislative Decree 81:2008) holds the employer (user) responsible for the identification and choice of appropriate PPE for the risks present in the workplace (in terms of the features and category of PPE). It is therefore essential to check that the features of this model are appropriate for your requirements before beginning to use it. The employer must also inform the worker in advance of the risks the PPE protects against, providing instruction and/or training in proper use and practical utilisation of the PPE if necessary. **This Note must be kept for the entire time in which the PPE is in use.**

COMPOSITION

- Jacket: Leather, art. "Yellow and black leather"
- Apron, Sleeves and Gaiters: leather, art. "Yellow split leather"
- Headwear: black 100% cotton FR fabric

CLASS

Jacket, Apron, Sleeves and Gaiters: **class 2**
Headwear: **class 1**

CATEGORY (D.E. 89/686/CEE): **II ^**

USE

The garments described in this note comply with the specifications contained in European standards and are suitable for the use described below. They are NOT suitable for any other use.

D.E 89/686/CEE:1989: : harmonisation of member states' PPE legislation

EN ISO 13688:2013: general requirements for innocuousness, ergonomics and sizes

EN ISO 11611:2015: use in welding operations and related procedures

Jacket, Apron, Sleeves and Gaiters are garments for welders in **class 2** suitable for use during manual welding techniques in which major drops and splatters are formed, such as, for example: MMA welding (with basic electrode or covered with cellulose), MAG welding (CO₂ or mixed gases), MIG welding (with high current), welding with flux cored wire, plasma cutting, trimming, oxygen cutting, thermal spray painting, and operation of machinery, for example, in tight spaces, welding and cutting in overhead or similar positions, or in narrow spaces. The garment protects against accidental contact with small flames, splattered molten metal, radiating heat and brief accidental electrical contact.

Headwear is intended for **class 1** welders and is suitable for using during manual welding with minor splatter and drop formation, such as, for example: gas welding, TIG welding, MIG welding, plasma micro-welding, brazing, spot welding, MMA welding (with rutile-covered electrode), and for the operation of oxygen cutting machinery, plasma cutting machinery, resistance welding machines, thermal spray painting machines, and countertop welding machines. The garment protects against accidental contact with small flames, splattered molten metal, radiating heat and brief accidental electrical contact.

GENERAL WARNINGS

Garments only protect the part of the body effectively covered, and so they must be integral, appropriate for their intended use, and used with suitable PPE for protecting uncovered body parts (legs, head, hands, feet). Protection against the risks identified in this note is not guaranteed if garments are used alone. The garment protects part of the body, and to provide complete protection it must be worn with garments offering the same characteristics for protection of the remaining parts of the body.

The safety features described are guaranteed only if the garments are the right size, correctly worn, fastened up, and in perfect condition. Inspect them before each use to make sure that they are in perfect condition, integral and clean; replace them if they are not integral (loose stitches, breakage or holes); if they are dirty, clean as described in the MAINTENANCE section. The manufacturer shall not be held liable for any damage or other consequences of improper use, or if the PPE has been modified in any way with respect to its certified configuration. If the instructions provided in this note are not followed, the PPE will lose its technical and legal effectiveness.

The user must not remove the garments at any time while in the work area at risk.

SPECIFIC WARNINGS

If used correctly, the garments protect against the hazards normally associated with welding, including exposure of the skin to ultraviolet radiation (UV rays) produced in all electric arc welding operations, including high intensity UVA, UVB and UVC radiation; fabric tends to degrade with use, and so garments of this type should be tested regularly (for example, once a week) to ensure that they provide UV protection by exposing the garment to the light of a 100 W tungsten lamp at a distance of about 1 m; if you can see the light through the fabric, UV radiation can also penetrate it. If users note symptoms of sunburn, this means UVB rays can penetrate the fabric. In each of these cases, the garments must be repaired (if possible) or replaced, and users should consider wearing additional, stronger protective layers in the future. Garments only protect against brief accidental contact with parts of the arc welding circuit under voltage; in the presence of a serious risk of electrocution, additional electrical insulation is required. The garments protect against brief accidental contact with electrical leads at a voltage of up to approximately 100 V DC. Electrostatic charges are drained through the garment and the wearer's body. The user should therefore be equipped with suitable antistatic footwear (EN ISO 20344 or EN ISO 20345), and make sure that the floor or the surface underfoot is not insulated.

Increased oxygen in the air significantly reduces the garment's ability to protect against flame, so be careful when welding in small spaces if there is a possibility that there may be extra oxygen in the air.

Protective garments for welders provide reduced electrical insulation if they are wet, damp, or sweaty.

Ability to limit the propagation of flame may be reduced if garments are contaminated with flammable products. In the event of accidental contact with chemical or flammable liquids, the garment must be removed, taking care to ensure that the liquid does not come into contact with the skin, and the garment must be washed or replaced.

In the event of impact with molten metal, the worker must leave the workstation immediately and remove the garment; in the event of impact with molten metal, the garment could fail to eliminate all risk of burns if worn in contact with the skin.

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INTERPRETATION OF PERFORMANCE LEVELS

EN ISO 13688:2013	Requirements	Results
Determination of pH	3,5<pH<9,5	pass
Determination of carcinogenic aromatic amines	Not measurable	pass
Fat content	<15%	pass

EN ISO 11611:2015	Requirements	Leather results	Fabric results
Limited propagation of flame (UNI EN ISO 15025 A)	no flame on edges hole formation flaming residues persistence of flame residual incandescence	A1	A1
Resistance to radiating heat RHTI24 (ISO 6942)	Class 1 RHTI24 \geq 7s Class 2 RHTI24 \geq 16s	24,6 s	15,4 s
Resistance to minor splatters of metal (ISO 9150)	Class 1 \geq 15 drops Class 2 \geq 25 drops	>40 drops	19 drops
Resistance to tearing (EN ISO 3377-1)	Class 1 \geq 15 N Class 2 \geq 20 N	52 N	22 N
Resistance to tensile stress (EN ISO 3376)	> 80N	105 N	970 N



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GIACCA Art. PRSC101A
DPI di II categoria
Cuoio - Pelle Crosta

UNI EN ISO 11611:2015
CLASS 2 A1

SIZE M
Lotto/Batch Number

MARKINGS (example)






- a Manufacturer
- b Article
- c CE Marking
- d Symbol UNI EN ISO 13688
- e Symbols
- f Size
- g Read note
- h Maintenance symbols

TRANSPORTATION AND STORAGE: transport and store the garment in its original package, in a cool, dry place far away from heat sources and protected from light. Do not fold or crush.

OBSOLESCENCE DATE: if kept intact or till wear and tear

DISPOSAL: if the garments have not been contaminated with particular substances or products, they may be disposed of along with ordinary fabric waste; if they are contaminated, they must be disposed of in accordance with legislation governing special waste

MAINTNANCE INSTRUCTION: scrupulously observe the instruction below.

 Don't washing
  Don't bleach
  Don't drying
  Don't ironing
  Don't dry washing

MARKING MEANING
is a guarantee of free circulation in the trade of products and goods within the European Economic Community. CE marking on the product means that the product meets the essential requirements of European Directive 89/686/EEC.

PRODUCTS

JACKET		HEADWEAR		SLEEVES		APRON		GAITERS	
COSE	SIZE	CODE	TYPE	CODE	SIZE	CODE	TYPE	CODE	TYPE
PRSC101A	50 - M	PRSC401A	BANDANA	PRSC201A	40 cm	PRSC301A	BASIC	PRSC501A	-
PRSC102A	52 - L	PRSC411A	HEADWEAR	PRSC211A	50 cm	PRSC311A	REINFORCED		
PRSC103A	54 - XL	PRSC421A	HOOD	PRSC221A	60 cm				
PRSC104A	56 - XXL								
PRSC105A	58 - 3XL								