



Class 2/A1+A2

Clothing type: *Arc Knight*<sup>®</sup> Trade mark: *Arc Knight*<sup>®</sup> Size: see imprint on the product

**Intended use:**

**General:**  
This product is intended to be used for all arc welding processes like MMA, MIG/MAG, TIG, micro plasma, spot and gas welding as well as plasma and oxygen cutting, gouging, brazing and thermal arc spraying. Because applications vary, it is the user's responsibility to identify the right product for each application.

**Identified hazards:**  
With the welding processes of intended use the following hazards are identified: flames, spatter of molten material, radiant heat as well as short term electrical shock.

**High voltage:**  
This product protects against short term electrical shock and not against long term high voltages! Welding and cutting machines can cause these so follow the safety instructions of the machines used as well! When there is an increased risk of shock or electrical live parts additional electrical isolation will be required as is indicated under 6.10 of the EN ISO 11611:2015 for protection against live electrical conductors up to 100 V = (DC).

**Protection of aprons:**  
In case an apron is used the apron should, at least, protect the user from seam side to seam side

**Additional garments:**  
Additional garments shall meet at least Class 1 of the EN ISO 11611:2015.  
For bib and braces: It has to go in combination with a jacket or a garment that covers the arms, torso and neck.  
For apron: It has to go in combination with a jacket and trousers or with garments that cover the arms, torso, neck and legs.  
For jackets: It has to go in combination with trousers or with a garment that covers the legs.

**Improper use:**

**Level of protection:**  
The level of protection will be reduced if the welders protective clothing is contaminated with flammable materials.

**Level of oxygen:**  
Increase of oxygen in the air will reduce considerably the protection of the welders protective clothing against flame. Care should be taken when welding in confined places. Air enriched with oxygen will be dangerous!

**Electrical isolation:**  
The electrical isolation provided by the clothing will be reduced when the clothing is wet, dirty or soaked in sweat.

**Use of 2-piece clothing:**  
When 2-piece clothing is used both items shall be worn together to provide the specified level of protection

**Additional body protection during welding:**  
Additional body protection used with this product during welding must meet the appropriate EN standard for welding hazards.

**Limitations for use:**  
This flame retardant cotton / leather work clothing to be used for general labour activities as well as welding. User has to see to it that all closures are closed specially for use with welding applications and the choice of the right size. If molten metal stick to the clothing, the user needs to remove the clothing immediately. The user needs to wear the bib and brace always in combination with a welding jacket.  
If the user observes symptoms similar to sunburn, UV radiation come through the product. In that case, the product needs to be repaired or replaced. The user should think about it that there might be more protective layers needed in the future.

**Materials used:**  
Side split cowhide in combination with 520 gr/m<sup>2</sup> flame retardant fabric is used with 3 ply KEVLAR<sup>®</sup> for manufacturing this product as well as current isolated push buttons and hook and loop fastening materials for the closures and reinforcements.  
DuPont<sup>™</sup> and KEVLAR<sup>®</sup> are trademarks or registered trademarks of E.I.duPont de Nemours and Company

**Health information:** The pH, Chromium (VI) and PCP levels of all materials have been tested and meet CE health standards. Coloring: coloring is done by using natural materials

**Washing, drying and ironing:**  
No washing, tumble drying and ironing is not allowed.

**Storage:**  
Store dry and at temperatures over 5° Celcius. Do not stack higher than 5 cartons on 1 pallet.

**Ageing:**  
If washing, drying and ironing has been applied (which is not advised), or not stored according to the above instruction, the ageing of this product will be influenced negatively.

**Warranty:**  
This product is warranted against manufacturing defects.  
If the product can be repaired, it needs to be done by the manufacturer.

**Remove:**  
Once this product can't be used anymore, it is the responsibility of the user to remove this product in an environmental way. Disposal according to local regulations.

**Durability:** The service life depends on the degree of wear and use intensity in the respective application areas and is max. 60 months after manufacturing date. The date of manufacture is indicated on a label at the inside of the product.

**Climate according to clause 6.10:**  
Conditioning and testing of the samples was carried out at a temperature of (20 ± 2) °C and relative humidity of (85 ± 5) %.

**The following explains the pictogram marked on this product:**



**General safety requirements**

Subclause	Requirement	Class 1	Class 2
6.2	Tensile strength: woven outer textile material Tensile strength: leather	400 N 80 N	400 N 80 N
6.3	Tear strength: woven outer textile material Tear strength: leather	15 N 15 N	20 N 20 N
6.4	Burst strength: test area of 7,3 cm <sup>2</sup> Burst strength: test area of 50 cm <sup>2</sup>	200 kPa 100 kPa	200 kPa 100 kPa
6.5	Seam strength: textile material Seam strength: leather	225 N 225 N	225 N 225 N
6.6	Dimensional change of woven textile materials Dimensional change of knitted textile materials	≤ ± 3 % ≤ ± 5 %	≤ ± 3 % ≤ ± 5 %
6.7	Flame spread Procedure A - mandatory Procedure B - optional	ISO 15025, Procedure A (surface ignition) ISO 15025, Procedure B (edge ignition) No specimen shall permit any part of the lowest boundary of any flame to reach the upper or either vertical edge. No hole formation <sup>a</sup> No flaming or molten debris Mean afterflame ≤ 2 s Mean afterglow ≤ 2 s	ISO 15025, Procedure A (surface ignition) ISO 15025, Procedure B (edge ignition) No specimen shall permit any part of the lowest boundary of any flame to reach the upper or either vertical edge. No hole formation <sup>a</sup> No flaming or molten debris Mean afterflame ≤ 2 s Mean afterglow ≤ 2 s
6.8	Impact of spatter	15 drops	25 drops
6.9	Heat transfer (radiation)	RHTI 24 W ≥ 7,0	RHTI 24 W ≥ 16,0
6.10	Electrical resistance	> 10 <sup>5</sup> Ω	> 10 <sup>5</sup> Ω
6.11	Requirements for leather: fat content	≤ 15 %	≤ 15 %

<sup>a</sup> For ISO 15025:2000, Procedure B, this requirement is not applicable

**Attention: Declaration of conformity, test report, certificate, manual: [www.weldas-ce.com](http://www.weldas-ce.com)**

Weldas gloves and clothing have been tested and certified at Eurofins Textile & Testing Spain, C/ German Bernácer 4, 03203 Elche (Alicante), Spain (EU no. 2865). It has been certified UKCA at Eurofins E&E CML Limited, Newport business Park, New Port Road, Ellesmere Port (UK) Approved Body No. 2503



**EN 1149-5:2018 Electrical resistance:**

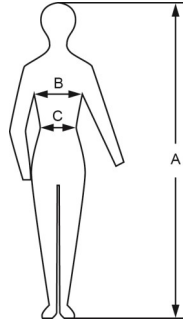
**Intended use:**

- the person wearing the electrostatic dissipative protective clothing shall be properly earthed. The resistance between the person's skin and earth shall be less than  $10^8 \Omega$ . e.g. by wearing adequate footwear on dissipative or conductive floors;
- electrostatic dissipative protective clothing shall not be open or removed whilst in presence of flammable or explosive atmospheres or while handling flammable or explosive substances;
- electrostatic dissipative protective clothing is intended to be worn in Zones 1, 2, 20, 21 and 22 (see EN 60079-10-1 [7] and EN 60079-10-2 [8]) in which the minimum ignition energy of any explosive atmosphere is not less than 0,016 mJ;
- electrostatic dissipative protective clothing shall not be used in oxygen enriched atmospheres, or in Zone 0 (see EN 60079-10-1 [7]) without prior approval of the responsible safety engineer;
- the electrostatic dissipative performance of the electrostatic dissipative protective clothing can be affected by wear and tear, laundering and possible contamination;
- electrostatic dissipative protective clothing shall be worn in such a way that it permanently covers all non-complying materials during normal use (including bending movements).
- the user has to adjust the garment adequately using the closure system. The user cannot work wearing the garment unfastened.
- the PPE has to be always worn while the user is exposed to the risk.

**Limitations for use:**

- electrostatic dissipative protective clothing shall not be used in oxygen enriched atmospheres, or in Zone 0 (see EN 60079-10-1 [7]) without prior approval of the responsible safety engineer;
- the electrostatic dissipative performance of the electrostatic dissipative protective clothing can be affected by wear and tear, laundering and possible contamination;

**WELDAS PRODUCT:  
38-4340, 38-4350, 38-4375**



	M	L	XL	2XL	3XL
	48	52	56	60	64
A	170-176	176-180	180-184	184-188	188-196
B	96-104	104-112	112-120	120-128	128-136
C	84-92	92-102	100-112	112-124	124-136


**WELDAS PRODUCT:  
38-4436, 38-4442, 38-4442 W**

38-4436	↑ ↓	91 cm.	↔	60 cm.
38-4442	↑ ↓	107 cm.	↔	60 cm.
38-4442 W	↑ ↓	107 cm.	↔	80 cm.

**WELDAS PRODUCT:  
38-4320**


**WELDAS®**      **Arc Knight®**

EN ISO 11611:2015



CLASS 2/A1+A2


EN 1149-5:2018



**38-4320 One size**    ↑↓ 51 cm.    ↔ 56 cm.

**UK  
CA**

**CE**



www.weldas.com

Sizing according to: EN ISO 13688 (in CM)

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**Address information Weldas:**

Weldas Europe B.V. Blankenweg 18 4612 RC Bergen op Zoom The Netherlands e-mail: [europa@weldas.eu](mailto:europa@weldas.eu)