



# MANUAL

# WELDAS PRODUCT: 10-2178

## EN12477, 09.2005 Type A

Weldas CE markings on this glove designates it as tested and certified according to directive 89/686/EEC Level 2.

**Glove type:** mitten welding glove

**Trade mark:** **COMFOflex**

**Size:** see imprint on glove

### Sizing according to EN 12477, 2005 / EN 420, 2003

Hand Size Index	7½	8½	9	9½	10½
Weldas Size Label	S	M	L	XL	XXL
Measurement in mm	190	216	229	241	267
Total length of glove in mm	310	320	330	340	350



### 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

### Instruction for use:

This mitten model glove is intended to be used as a welding glove for MIG/MAG as well as electrode welding.

### Warrantee:

This product is warranted against manufacturing defects. Because applications vary, it is the user's responsibility to identify the right product for each application.

### Washing, drying and ironing:

No bleach or acid should be used, just standard washing detergents. The characteristics of the leather will change after 1 or 2 washings, hardening of the leather is typical after washing.

Mechanical drying and ironing is possible but not advised

### UV:

Within this norm there is no test method indicated on UV radiation but, normally, this will give no problem with these materials used.

### Electrical danger:

These products can pass on electrical currents, risk is higher when the product is wet !

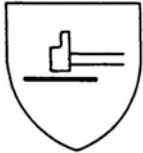
### Materials used:

First quality cow side split leather is used for this glove as well as COMFOflex lining in the hand and cotton in the cuff.

4 ply KEVLAR® is used for sewing of this glove. All seams are fully welted.

### The following explains the pictograms marked on the glove:

#### EN388, 2003: Protective gloves against mechanical risks



4133

Digit	Test Resistance	Level 1	Level 2	Level 3	Level 4	Level 5
1st	Abrasion (# cycles)	100	500	2000	8000	—
2nd	Blade cut (index)	1,2	2,5	5,0	10,0	20,0
3rd	Tear (Newton)	10	25	50	75	—
4th	Puncture (Newton)	20	60	100	150	—

#### EN407, 2004: Protective gloves against thermal risks



413X3X

Digit	Test resistance	Digit	Test Resistance
1st	Burning behaviour	5th	Small splashes of molten metal
2nd	Contact heat	6th	Large quantities of molten metal
3rd	Convective heat		
4th	Radiant heat		

!!! If indication on product is "X" : than the indicated position has not been tested !!!

#### EN12477, 09.2005: Protective gloves for welders (minimum requirements)

Requirements	EN	Type A		Type B	
		Minimum Rating	Minimum Rating	Minimum Rating	Minimum Rating
Electrical Insulation	pr1149-2		R≥10 <sup>6</sup> Ω		R≥10 <sup>5</sup> Ω
Abrasion Resistance	EN388	2	500 cycles	1	100 cycles
Blade Cut Resistance	EN388	1	Index 1,2	1	Index 1,2
Tear Resistance	EN388	2	25 N	1	10 N
Puncture Resistance	EN388	2	60 N	1	20 N
Burning Behaviour	EN407	3		2	
Contact Heat Resistance	EN407	1	100 C	1	100 C
Convective Heat Resistance	EN407	2	HTI≥7	0	
Small Molten Splash Resistance	EN407	3	25 Droplets	2	15 Droplets
Dexterity (pick up of rod dia.)	EN420	1	≤11mm	4	≤6,5mm

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

**Caution:** Weldas gloves and clothing have been tested and certified at TÜV Rheinland Product Safety GmbH, Am Grauen Stein, D-51105 Cologne, Germany. For more information on EN standards, testing methods, test reports, product certifications, and other products, please e-mail us at: [europe@weldas.com](mailto:europe@weldas.com) or visit our web site: [www.weldas.com](http://www.weldas.com)

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