

WELDAS ULTIMATE COMFORT : SELECTION CRITERIA(ENGLISH)

SELECTION CRITERIA

WELDAS offers a variety of materials, designs, construction patterns, and sizing to suit different needs and applications. Our products are tested for these factors according to the appropriate EN standards and certified by TUV of Germany.

Choosing the right product is always important in making the workplace safe and productive. The factors to consider include one or more of the following.

PROTECTION

Resistance to heat, flame, molten metal splash, UV, electricity, cuts, and punctures.

DURABILITY

Abrasion resistance, tensile strength, tear resistance, heat related dimensional change resistance, reinforced seams and stress points, as well as thread strength and flame resistance.

COMFORT

Sizing, fit, dexterity, fingertip sensitivity, weight, sweat vapor transmission and absorption, and climate and oil resistance.

HEALTH

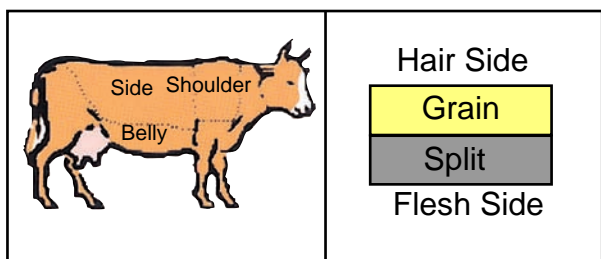
pH values, Chromium (VI), and pentachlorophenol (PCP) found in the product materials are within safe health levels.

The following is a general set of guidelines to assist you in your selection.

CHOICE OF LEATHE	
TYPE	FEATURES
Grain Deer Skin	Fit & Dexterity
Grain Goat Skin	Fit & Light Weight
Grain Cowhide	Pliable & Strong
Grain Pig Skin	Oil & Abrasion Resistant
Split Cowhide	Heat & Flame Resistant

CHOICE OF LINING	
TYPE	FEATURES
Cotton	Comfort, Price
<i>COMFOflex</i>	Highest Level of Comfort, Moderate Heat Resistance
Wool & <i>COMFOflex</i>	Highest Level of Heat Resistance, Comfort
<i>TURMOflex</i>	Highest Level of Comfort, Heat Insulation

LEATHER GRADES AND TERMINOLOGY



Leather is tanned and separated into a grain layer and a flesh layer, commonly called split. The grain layer has a smooth side and a suede side. Both sides of the split are suede.

Different portions of the hide have different characteristics. The side offers the best strength and pliability, the shoulder offers good strength and the belly is most economical.

CHOICE OF THUMB DESIGN



Straight thumb for finger tip sensitivity.



Wing thumb for seamless palm durability.



Keystone thumb for comfortable fit.

WELDAS ULTIMATE COMFORT : INTRODUCING CE (ENGLISH)

INTRODUCING CE

In 1989, the Council of European Communities established directive 89/686/EEC which requires employers to use appropriate personal protective equipment(PPE). All protective gloves and clothing must be marked with appropriate CE markings according to its intended use.

Level 1

Simple product design for minimal risk and for applications below 50*. Only self-certified and "CE Minimal Risk" markings allowed.

Level 2

Complex product design for industrial environments with heat, flame or mechanical risks. Products must be tested, certified and marked to appropriate EN standards.

Level 3

In addition to level 2, an audited manufacturing quality assurance system is required.



(EN420)

GLOVE AND HAND SIZE REFERENCE

Hand Size Index	7½	8½	9	9½	10½
Weldas Size Label	S	M	L	XL	XXL
Measurement mm	190	216	229	241	267

GUIDE FOR CE PICTOGRAM MARKINGS

Protective Gloves Against Mechanical Risk

EN388



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

Weldas sizing incorporates EN420 size standards, the lining and the intended use.



Protective Gloves Against Thermal Risk

EN407



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Digit	Test Resistance	Digit	Test Resistance
1st	Burning Behaviour	4th	Radiant Heat
2nd	Contact Heat	5th	Small Splash of Molten Metal
3rd	Convective Heat	6th	Large Quantity of Molten Splash

EN511 Protective Gloves Against Cold



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Digit	Test Resistance
1st	Convective Cold
2nd	Contact Cold
3rd	Water Impermeability

EN12477 Protective Gloves for Welders (Minimum Requirements)

Requirements	EN	Type A Minimum Rating		Type B Minimum Rating	
Electrical Insulation	pr1149-2		R*10 ⁶ *		R*10 ⁵ *
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*	1	100*
Convective Heat Resistance	EN407	2	HTI*7	0	0
Small Molten Splash Resistance	EN407	3	25 Droplets	2	15 Droplets
Dexterity (pick up of rod dia.)	EN420	1	*11mm	4	*6,5mm

Test	Requirements
Tensile Strength	*300N
Tear Resistance	*15N
Dimensional Change	<5%
Fat Content	<15%
Thickness	*1mm
Flame Spread	*2Seconds
Molten Splash	*15 Drops
Pockets	No Open Pockets
Closures	No Openings
Size	EN340
Electricity	Non Conductive