

# SERVAL

## Protective gloves for welders

The gloves are made of high quality cow split leather, which guarantees high comfort of usage.

Dedicated to protect hands when performing most of welding work and allied processes, including both more hazardous welding techniques (type A) and welding works requiring very high dexterity e.g. TIG (type B).

SERVAL brand is recommended to users seeking economical solutions, due to the optimal balance between the price and protective features.

The gloves meet general requirements for personal protective equipment provided in Regulation (EU) 2016/425 and in the Harmonized Standards: EN 420, EN 388, EN 407 and EN 12477.



### Technical Information:

Material:	cow split leather
Performance level:	3133X, 412X4X
Sizes:	10
Order numbers:	R-I-SERVAL

### EN 388 Protective gloves against mechanical risks



3133X\*

*Performance level	1	2	3	4	5	
Resistance to abrasion / cycles	100	500	<b>2000</b>	8000	-	
Cut resistance / index	<b>1,2</b>	2,5	5	10	20	
Tear strength [N]	10	25	<b>50</b>	75	-	
Puncture resistance [N]	20	60	<b>100</b>	150	-	
Cut resistance (TDM) [N]	A	B	C	D	E	F
	2	5	10	15	22	30

The letter X means that the test was not preformed.

### Performance levels in accordance with EN 407 standard



412X4X\*

*Performance level	1	2	3	4	
Burning behaviour	After-flame time [s]	≤ 20	≤ 10	≤ 3	<b>≤ 2</b>
	After glow time [s]	-	≤ 120	≤ 25	<b>≤ 5</b>
Contact heat	Contact temperature [°C]	<b>100</b>	250	350	500
	Threshold time t <sub>1</sub> [s]	<b>≥ 15</b>	≥ 15	≥ 15	≥ 15
Convective heat	Heat transfer index HTI [s]	≥ 4	<b>≥ 7</b>	≥ 10	≥ 18
Radiant heat	Heat transfer index t <sub>24</sub> [s]	≥ 7	≥ 20	≥ 50	≥ 95
Small splashes of molten metal	Number of drops	≥ 10	≥ 15	≥ 25	<b>≥ 35</b>
Large quantities of molten metal	Molten iron [g]	30	60	120	200



EN 388 EN 407



3133X 413X4X

EN 12477, A i B