



### Area of use\*



LIGHT INDUSTRY



FINISHINGS



MAINTENANCE



TRANSPORT



LOGISTICS

### Technical features

**Support:** polyamide and elastane, seamless knitted.

**Gauge:** 15.

**Wrist:** elastic knit with piping.

**Coating:** nitrile foam, fully coated.

**Dots:** nitrile, on palm.

**Colour:** black and grey.

**Sizes:** 7 to 10.

**Packaging:** carton of 100 pairs.

**Subpackaging:** bag of 10 pairs.

### Advantages

- > Non-irritating and easy to adjust with the seamless knitted support.
- > Deformation resistance with the polyamide support.
- > No-slip grip with the dots.
- > Glove tightness with full coating.
- > Antibacterial with Sanitized®/Actifresh treatment.
- > High quality support certified OEKO-TEX®.

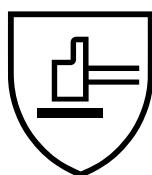


### Certification

This product complies with European Regulation (EU) 2016/425 on Personal Protective Equipment (PPE). **Category II.**

Issued by **SATRA**, notified body n°**2777**.

EN 388 : 2016



4131X

EN 407 : 2004



X1XXXX



Download the EU declaration of conformity on <http://docs.singer.fr>

## EN 420: 2003 + A1 2009 - PROTECTIVE GLOVES

General requirements and test methods. This standard specifies the essential requirements for ergonomics, safety, marking, information and instructions for use.

### EN 388 - AGAINST MECHANICAL RISKS



1.2.3.4.F.P

1	Abrasion resistance. Level 1 to 4 (4 being the best).
2	Blade cut resistance. Level 1 to 5 (5 being the best).
3	Tear resistance. Level 1 to 4 (4 being the best).
4	Puncture resistance. Level 1 to 4 (4 being the best).
F	Cut resistance (ISO13997). Level A to F (F being the best).
P	Resistance against impact (according to EN 13594). Marking P (optional test).

For gloves that contain materials which can get dulls to the blade, and additional compulsory test must be performed according to EN ISO 13997 test method (TDM 100 tester).  
This test may also be optional for gloves that do not dull the blade.

### EN 374 - AGAINST CHEMICALS



Type X  
X.X.X

Type A	Breakthrough time $\geq$ 30 min for at least 6 chemicals of the list (see below)	
Type B	Breakthrough time $\geq$ 30 min for at least 3 chemicals of the list (see below)	
Type C	Breakthrough time $\geq$ 10 min for at least 1 chemical of the list (see below)	

A	Methanol	67-56-1	Primary alcohol
B	Acetone	67-64-1	Ketone
C	Acetonitrile	75-05-8	Nitrile composite
D	Dichloromethane	75-09-2	Chlorinated hydrocarbon
E	Carbone Disulphide	75-15-0	Organic compound containing Sulphur
F	Toluene	108-88-3	Aromatic hydrocarbon
G	Diethylamine	109-89-7	Amine
H	Tetrahydrofurane	109-99-9	Heterocyclic Ether
I	Ethyl acetate	141-78-6	Ester
J	n-Heptane	142-82-5	Saturated Hydrocarbon
K	Sodium hydroxide 40%	1310-73-2	Inorganic base
L	Sulphuric acid 96%	7664-93-9	Inorganic mineral acid, oxidising
M	Nitric acid (65±3) %	7697-37-2	Inorganic mineral acid
N	Acetic acid (99±1) %	64-19-7	Organic acid
O	Ammonia 25%	1336-21-6	Organic base
P	Hydrogen peroxid 30%	7722-84-1	Peroxide
S	Hydrofluoric acid 40%	7664-39-3	Inorganic mineral acid
T	Formaldehyde 37%	50-00-0	Aldehyde
	Classe 1		Breakthrough time: > 10 minutes
	Classe 2		Breakthrough time: > 30 minutes
	Classe 3		Breakthrough time: > 60 minutes
	Classe 4		Breakthrough time: > 120 minutes
	Classe 5		Breakthrough time: > 240 minutes
	Classe 6		Breakthrough time: > 480 minutes

### ASTM F2878 - PUNCTURE RESISTANCE TO AN HYPODERMIC NEEDLE



Level 1	Puncture resistance with a less or an equal force to 2 N.
Level 2	Puncture resistance with a less or an equal force to 4 N.
Level 3	Puncture resistance with a less or an equal force to 6 N.
Level 4	Puncture resistance with a less or an equal force to 8 N.
Level 5	Puncture resistance with a less or an equal force to 10 N.

## EN 374-5 - AGAINST MICRO-ORGANISMS



Protection against bacteria and fungi

VIRUS = with additional permeation test to virus (ISO16604)

### EN 511 - AGAINST THE COLD



A.B.C

### EN 407 - AGAINST THERMAL RISKS (HEAT AND/OR FIRE)



A.B.C.D.E.F

### EN 12477 + A1 - FOR WELDERS

Type A  
Type B

More general welding and cutting operations

Higher dexterity for TIG welding

### EN 381-7 - AGAINST HAND-HELD CHAIN SAWS



Class 0	Resistance against a saw turning at 16 m/s
Class 1	Resistance against a saw turning at 20 m/s
Class 2	Resistance against a saw turning at 24 m/s
Class 3	Resistance against a saw turning at 28 m/s

Model A or B depending on the specified protection area

### EN ISO 10819 - VIBRATION AND MECHANICAL SHOCKS

Hand-arm vibration. Measurement and evaluation of the vibration transmissibility from gloves to the palm of the hand.

### EN 16350 - ELECTROSTATIC PROPERTIES

Each individual measurement shall satisfy: the vertical resistance requirement:  $R_v < 1,0 \times 10^8 \Omega$ .  
Test method according to EN 1149-2: 1997.

### EN 60903 - MAXIMAL TENSION OF USE

	AC	DC	Class
750 V	500 V		00
1 500 V	1 000 V		0
11 250 V	7 500 V		1
25 500 V	17 000 V		2
39 750 V	26 500 V		3
54 000 V	36 000 V		4

"X" means that the glove has not been submitted to the test.