















PUBLIC WORKS

BUILDING

AGRICULTURE

GREEN SPACES

Technical features

Support: polyamide

with water repellent treatment, seamless knitted.

Gauge: 15.

Wrist: elastic knit with piping.

Lining: acrylic terry.

Coating: HPT™, ¾ coated.

Colour: black. Sizes: 7 to 12.

Packaging: carton of 50 pairs. **Subpackaging:** bag of 5 pairs.











Advantages

- > Non-irritating and easy to adjust with the seamless knitted support.
- > Insulation and comfort with the lining.
- > Good support of the glove with the elastic knitted wrist.
- > Resistance, water repellency and flexibility with HPT™ coating.
- > Quality and reliability of ISO 9001 / ISO 14001 certified production.
- > Antibacterial with Sanitized® treatment.



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



EN 511 : 2006





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

EN ISO 21420 - 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	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).		
Р	Resistance against impact (according to EN 13594). Marking P (optional test).		

For gloves that contain materials which can gets 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.

Proglethrough tim

_		Type A		Breakthrough time ≥ 30 min for at least 6 chemicals of the list (see below)	
T	rpe X	Type B	Breakthrough time ≥ 30 min for at least 3 chemicals of the list (see below)		
,	X.X	Type C	Breakthrough time ≥ 10 min for at least 1 chemical of the list (see below)		
Α		Methanol	67-56-1 Primary alcohol		
В		Acetone	67-64-1	67-64-1 Ketone	
С	C Acetonitrile		75-05-8	Nitrile composite	
D	D Dichloromethane		75-09-2	Chlorinated hydrocarbon	
Е	Carbone Disulphide		75-15-0	Organic compound containing Sulphur	
F	Toluene		108-88-3	Aromatic hydrocarbon	
G	Diethylamine		109-89-7	Amine	
Н	Tetrahydrofuranne		109-99-9	Heterocyclic Ether	
I	Ethyl acetate		141-78-6	Ester	
J	n-Heptane		n-Heptane 142-82-5 Saturated Hydrocar		Saturated Hydrocarbon
K	Sodiu	Sodium hydroxide 40% 1310-73-2		Inorganic base	
L	Sul	phuric acid 96%	7664-93-9	7664-93-9 Inorganic mineral acid, oxidising	
M	Nitr	ic acid (65±3) %	7697-37-2 Inorganic mineral acid		
N	Ace	tic acid (99±1) %	64-19-7	64-19-7 Organic acid	
0	A	mmonia 25%	1336-21-6	Organic base	
Р	Hydr	ogen peroxid 30%	7722-84-1	Peroxide	
S	Hydr	ofluoric acid 40%	7664-39-3	Inorganic mineral acid	
Т	For	maldehyde 37%	50-00-0	9	
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-ORGANISM



Protection against bacteries and fungi

VIRUS = with additional permeation test to virus (ISO16604)

EN 511 - AGAINST THE COLD



	Α	Convective cold. Level 0 to 4 (4 being the best).
	В	Contact cold. Level 0 to 4 (4 being the best).
	С	Waterproofness. Level 0 (No) or 1 (Yes).

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

Protection against fire:
A.B.C.D.E.F
Protection against heat:
(555)

X.B*.C.D.E.F (*) Max: Level 2

Α	Burning behaviour. Level 1 to 4 (4 being the best).
В	Contact heat (threshold time \geq 15 s). Level 1 to 4 (4 being the best).
С	Convective heat. Level 1 to 4 (4 being the best).
D	Radiant heat. Level 1 to 4 (4 being the best).
Е	Small splashes of molten metal. Level 1 to 4 (4 being the best).
F	Large spashes of molten metal. Level 1 to 4 (4 being the best).

EN 12477 + A1 - FOR WELDERS

Type A	More general welding and cutting operations
Туре В	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: Rv < 1,0 x 10 $^{\rm s}$ Ω . Test method according to EN 1149-2: 1997.

EN 60903 - MAXIMAI 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.