



Area of use*



PUBLIC WORKS BUILDING FINISHINGS AGRICULTURE GREEN SPACES

Technical features

- Support:** polyamide, seamless knitted.
- Gauge:** 13.
- Wrist:** elastic knit with piping.
- Lining:** acrylic terry.
- Double coating.**
- First layer:** smooth latex, fully coated.
- Second layer:** sandy latex foam, coated on palm.
- Colour:** black and grey.
- Sizes:** 8 to 11.
- Packaging:** carton of 50 pairs.
- Subpackaging:** bag of 5 pairs.

Advantages

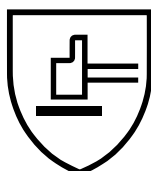
- > **Non-irritating and easy to adjust** with the seamless knitted support.
- > **Deformation resistance** with the polyamide support.
- > **Insulation and comfort** with the lining.
- > **Excellent sealing** with the double coating.
- > **Improved grip** with the sandy finish.
- > **Quality and reliability** of ISO 9001 / ISO 14001 certified production.



Certification

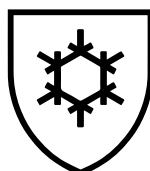
This product complies with **European Regulation (EU) 2016/425** on Personal Protective Equipment (PPE). **Category II**.
Issued by **CTC**, notified body n°0075.

EN 388 : 2016



2131X

EN 511 : 2006



X2X



CE

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



1.2.3.4.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 | Tetrahydrofuranne | 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 \pm 3) % | 7697-37-2 | Inorganic mineral acid |
| N | Acetic acid (99 \pm 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 | |

EN 374-5 - AGAINST MICRO-ORGANISMS



VIRUS

Protection against bacteria and fungi

VIRUS = with additional permeation test to virus (ISO16604)

EN 511 - AGAINST THE COLD



A.B.C

| | |
|---|---|
| A | Convective cold. Level 0 to 4 (4 being the best). |
| B | Contact cold. Level 0 to 4 (4 being the best). |
| C | 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:



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

| | |
|---|---|
| A | Burning behaviour. Level 1 to 4 (4 being the best). |
| B | Contact heat (threshold time \geq 15 s). Level 1 to 4 (4 being the best). |
| C | Convective heat. Level 1 to 4 (4 being the best). |
| D | Radiant heat. Level 1 to 4 (4 being the best). |
| E | Small splashes of molten metal. Level 1 to 4 (4 being the best). |
| F | Large splashes of molten metal. Level 1 to 4 (4 being the best). |

EN 12477 + A1 - FOR WELDERS

| | |
|--------|---|
| Type A | More general welding and cutting operations |
| Type B | Higher dexterity for TIG welding |

ISO 18889 - PESTICIDE HANDLING



X

| | |
|----|---|
| G1 | Low potential risk. Diluted pesticides. Without mechanical resistance. |
| G2 | Medium potential risk. Diluted or concentrated pesticides. Minimum mechanical resistance. |
| GR | Palm protection only. Dry residues of pesticides. |

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.

ASTM F2878 - PUNCTURE RESISTANCE TO AN HYPODERMIC NEEDLE



Level X

| | |
|---------|--|
| 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. |