50ICE



With 3M™ Thinsulate™ padding

Supplied with a hanging header card

Area of use*

BUILDING · FINISHINGS · AGRICULTURE · GREEN SPACES · LOGISTICS

Technical features

Protective glove.

Full grain cowhide leather.

Natural colour.

Elasticated all around the wrist.

Fully lined with polyester polar fleece 210 gsm.

Padded with **3M™ Thinsulate™.**

6 cm black polyester knitted cuff.

Supplied with a hanging header card.

Sizes: 8 to 11.

Packaging: carton of 50 pairs.

Subpackaging: bag of 5 pairs.

Advantages

Excellent comfort thanks to soft full-grain cowhide leather.
Very warm thanks to the **3M™ Thinsulate™** thermal padding.
Secure fit ensured by the elastic tightening all around the wrist.
Warm knitted cuff that helps prevent debris from entering the glove.

COLD protection

HEAT protection

Certification

This product complies with **European Regulation (EU) 2016/425** on **P**ersonal **P**rotective **E**quipment (**PPE**).
Category II.
Issued by **MIRTA-KONTROL d.o.o.** Notified body n°**2474**.

EN ISO 21420 : 2020

EN 388 : 2016 + A1 : 2018 — 3232X

EN 511: 2006 — 2 2X

EN 407: 2020 — X2XXXX

CE

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

(*) Example of use given as a guide only. The end user must check whether the product is suitable or not for the intended use.
Before any use, read carefully the instructions enclosed with the product. **Edition LS 09/04/2026 - © Singer® Safety.**

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 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.

EN 374 - AGAINST CHEMICALS



Type X
X.X.X

Type A	Breakthrough time ≥ 30 min for at least 6 chemicals of the list (see below)
Type B	Breakthrough time ≥ 30 min for at least 3 chemicals of the list (see below)
Type C	Breakthrough time ≥ 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±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 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.

EN 374-5 - AGAINST MICRO-ORGANISMS



VIRUS

Protection against bacteries 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 ≥ 15 s). Level 1 to 4 (4 being the best). *1= 100°C / 2= 250°C / 3= 350°C / 4= 500°C*
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 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
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: $Rv < 1,0 \times 10^8\ \Omega$.
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.