VILO





WATERPROOF 3000 MM

CERTIFIED ISO 9001

OEKO TEX® STANDARD 100

Area of use*



Technical features

High visibility rainwear. Composed of 2 pieces.
Parka. Outside material: 100% polyester (Oxford 300D) coated with PU, 280 gsm.
Lining: 100% polyester mesh.
Taped seams. Attached hood with drawcords, rolled into collar.
3 outer pockets. Zip fastening under studded flap.
Elasticated wrists with self-grip tapes. Retro-reflective tapes.
Trousers. Outside material: 100% polyester (Oxford 300D) coated with PU, 280 gsm.
Taped seams. 2 hand passes. Fly. Elasticated waist with drawcords and stoppers.
Retro-reflective tapes
Colour: orange and navy blue.
Sizes: M to 4XL.
Packaging: carton of 10 pieces.
Subpackaging: individual polybag.

1821 30 ®

Advantages

Resistant and light thanks to the outside material (300D Oxford polyester coated with PU).
Better visibility thanks to retro-reflective tapes.
Quality and safety of materials with OEKO-TEX® certification.
Functional and practical thanks to various outer pockets.
Quick adjustment thanks to the zip fastening.
Lateral visibility (transparent hood on the sides).

BODY Protection

Certification

This product complies with **European Regulation (EU) 2016/425** on Personal Protective Equipment (**PPE**). **Category II.**
Issued by **SGS**, notified body n°**0598**.

EN ISO 13688 : 2013

EN ISO 20471: 2013 + A1: 2016 — 3 — PARKA

EN ISO 20471: 2013 + A1: 2016 — 1 — TROUSERS

EN 343 : 2009 — 3 1 X

CE

Download the EU declaration of conformity on **http://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. Exclusive sale to professionals. **Edition CL 10/03/2025 - © Singer® Safety.**

SINGER safety

EN 14058 - AGAINST COOL ENVIRONMENTS



A	Thermal resistance. Class 1 to 4 (4 being the best).
B	Air permeability. Class 1 to 3 (3 being the best).
C	Resulting thermal insulation. Optional test.
D	Resistance to water penetration. Optional test.

EN 343 - AGAINST BAD WEATHER



A	Resistance to water penetration. Class 1 to 4 (class 4 being the best).
B	Evaporative resistance. Class 1 to 4 (class 4 being the best).
R	Controlled under a rain simulator (optional). Class R.

EN ISO 11611 - WELDING AND ALLIED PROCESSES



Class 1	Against minor risks: Less projections and a weak radiant heat.
Class 2	Against important risks: More projections and a more important radiant heat.
A1 or A2	Test method used for spreading of the flame, in conformity with the standard ISO 15024/2000.

EN ISO 11612 - PROTECTION AGAINST HEAT AND FLAME



A1 and/or A2	Limited flame spread.
B1 to B3	Convective heat.
C1 to C4	Radiant heat.
D1 to D3	Molten aluminium splash.
E1 to E3	Molten iron splash.
F1 to F3	Contact heat.

This standard imposes a number of requirements in terms of product design (for exemple: the flap of the outer pockets must be larger than the pocket ...). Each garment must bear the code letters A1 and / or A2 plus at least another code letter.

EN ISO 14116 - LIMITED FLAME SPREAD



A	Index 1	Limited flame spread / Absence of burning debris / Residual glow.
	Index 2	Limited flame spread / Absence of burning debris / Residual glow / No hole formations.
	Index 3	Limited flame spread / Absence of burning debris / Residual glow / No hole formations / Limited persistence of flame.
B	-	Number of washes.
C	H	Home washing.
	I	Industrial washing.
	C	Chemical washing.
D	-	Washing temperature.

If the materials can not be washed: BC/D = 0/0. The pictogram (see above) can be used only if the product has been tested to another standard of flame protection.

EN 1149-5 - ELECTROSTATIC PROPERTIES



Electrostatic properties, part 5.
Material performance and design requirements.

EN ISO 20471 - HIGH VISIBILITY



Class 1	Background material: > 0,14 m². Retro-reflective material: > 0,10 m². Combined performance material: > 0,20 m².
Class 2	Background material: > 0,50 m². Retro-reflective material: > 0,13 m². Combined performance material: - m².
Class 3	Background material: > 0,80 m². Retro-reflective material: > 0,20 m². Combined performance material: - m².

The coefficient of retro-reflection of the retro-reflective material must be class 2 to comply with EN ISO 20471 (class 1 of previous EN 471 standard has been cancelled).
«X» indicates the class of the garment according to the compulsory minimum area..

EN 14404 - KNEE PROTECTION



Type 1	Protective portable knee pads.
Type 2	Knee pads associated with clothing.
Type 3	Carpet for knees.
Type 4	Kneeling systems.
Level 0	Flat floors, no resistance to penetration required.
Level 1	Flat floors, resistance to penetration of 100N.
Level 2	Flat or irregular surfaces, resistance to penetration of 100N.
Level 3	Flat or irregular surfaces under difficult conditions, resistance to penetration of 250N.

EN 61482 - THERMAL HAZARDS OF AN ELECTRICAL ARC



APC 1	Tested with an electrical arc of 4 000 amperes
APC 2	Tested with an electrical arc of 7 000 amperes

Also, for each class, are checked: - Absence of flame spread.
- Absence of heat transfer that can burn the user to the 2nd degree.
- Proper functioning of the EPI closure systems after the tests.

EN 943, EN 14605, EN ISO 13982, EN 13034
AGAINST CHEMICALS



Type 1	Gaz tight.
Type 2	Non gaz tight.
Type 3	Liquid tight connections.
Type 4	Spray-tight connections.
Type 5	Protection to the full body against airborne solid particulates.
Type 6	Limited protection against liquid chemicals.

EN 14126 - AGAINST INFECTIVE AGENTS



Performance requirements and tests methods for protective clothing against infective agents.

EN 1073-2 - AGAINST RADIOACTIVE CONTAMINATION



Requirements and test methods for non-ventilated protective clothing against particulate radioactive contamination.

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