

## Area of use\*



PUBLIC WORKS



BUILDING



FINISHINGS



TRANSPORT



LOGISTICS

## Technical features

## High visibility parka.

**Outside material:** 100% polyester (Oxford 300D), coated with PU.

**Lining:** 100% taffeta polyester.

**Padding:** 100% polyester, 180 gsm.

Taped seams. Attached hood with drawcords, rolled into collar.

2 outer pockets and 2 inner pockets.

Zip fastening (two ways) under studded flap.

Knitted wrists.

Segmented Retro-reflective tapes.

Zip access for print.

**Colour:** orange and navy blue.

**Sizes:** S to 4XL.

**Packaging:** carton of 10 pieces.

**Subpackaging:** individual polybag.



1821



## Advantages

**Resistant and light** thanks to the outside material (300D Oxford polyester coated with PU).

**Better visibility** thanks to retro-reflective tapes.

**Hood rolled into collar.**

**Customizable** thanks to the zip access for printing.

**Quality and safety of materials** with OEKO-TEX® certification.

**Functional and practical** thanks to 4 outer pockets.

**BODY**  
Protection

## Certification

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

Issued by **SGS Fimko Ltd**, notified body n°0598.

EN 343 : 2019

3  
1  
X

EN ISO 13688 : 2013

EN ISO 20471:2013  
+ A1: 2016

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

## EN 14058 - AGAINST COOL ENVIRONMENTS

|                                                                                                             |          |                                                      |
|-------------------------------------------------------------------------------------------------------------|----------|------------------------------------------------------|
|  <b>A<br/>B<br/>C<br/>D</b> | <b>A</b> | Thermal resistance. Class 1 to 4 (4 being the best). |
|                                                                                                             | <b>B</b> | Air permeability. Class 1 to 3 (3 being the best).   |
|                                                                                                             | <b>C</b> | Resulting thermal insulation. Optional test.         |
|                                                                                                             | <b>D</b> | Resistance to water penetration. Optional test.      |

## EN 343 - AGAINST BAD WEATHER

|                                                                                                       |          |                                                                            |
|-------------------------------------------------------------------------------------------------------|----------|----------------------------------------------------------------------------|
|  <b>A<br/>B<br/>R</b> | <b>A</b> | Resistance to water penetration.<br>Class 1 to 4 (class 4 being the best). |
|                                                                                                       | <b>B</b> | Evaporative resistance.<br>Class 1 to 4 (class 4 being the best).          |
|                                                                                                       | <b>R</b> | Controlled under a rain simulator (optional).<br>Class R.                  |

## EN ISO 11611 - WELDING AND ALLIED PROCESSES

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

## EN ISO 11612 - PROTECTION AGAINST HEAT AND FLAME

|                                                                                                                                                                                                                                                             |                     |                          |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|--------------------------|
|                                                                                                                                                                           | <b>A1 and/or A2</b> | Limited flame spread.    |
|                                                                                                                                                                                                                                                             | <b>B1 to B3</b>     | Convective heat.         |
|                                                                                                                                                                                                                                                             | <b>C1 to C4</b>     | Radiant heat.            |
|                                                                                                                                                                                                                                                             | <b>D1 to D3</b>     | Molten aluminium splash. |
|                                                                                                                                                                                                                                                             | <b>E1 to E3</b>     | Molten iron splash.      |
|                                                                                                                                                                                                                                                             | <b>F1 to F3</b>     | Contact heat.            |
| <p>This standard imposes a number of requirements in terms of product design (for example: 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.</p> |                     |                          |

## EN ISO 14116 - LIMITED FLAME SPREAD

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

## EN 1149-5 - ELECTROSTATIC PROPERTIES

|                                                                                    |                                                                                               |
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|  | <p>Electrostatic properties, part 5.</p> <p>Material performance and design requirements.</p> |
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## EN ISO 20471 - HIGH VISIBILITY

|                                                                                                                                                                                                                                                                         |                |                                                                                                                    |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|--------------------------------------------------------------------------------------------------------------------|
|  <b>A</b>                                                                                                                                                                              | <b>Class 1</b> | Background material: > 0,14 m². Retro-reflective material: > 0,10 m².<br>Combined performance material: > 0,20 m². |
|                                                                                                                                                                                                                                                                         | <b>Class 2</b> | Background material: > 0,50 m². Retro-reflective material: > 0,13 m².<br>Combined performance material: - m².      |
|                                                                                                                                                                                                                                                                         | <b>Class 3</b> | Background material: > 0,80 m². Retro-reflective material: > 0,20 m².<br>Combined performance material: - m².      |
| <p>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).<br/>«X» indicates the class of the garment according to the compulsory minimum area..</p> |                |                                                                                                                    |

## EN 14404 - KNEE PROTECTION

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

## EN 61482 - THERMAL HAZARDS OF AN ELECTRICAL ARC

|                                                                                                                                                                                                                    |              |                                                |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|------------------------------------------------|
|                                                                                                                                 | <b>APC 1</b> | Tested with an electrical arc of 4 000 amperes |
|                                                                                                                                                                                                                    | <b>APC 2</b> | Tested with an electrical arc of 7 000 amperes |
| <p>Also, for each class, are checked: - Absence of flame spread.<br/>- Absence of heat transfer that can burn the user to the 2nd degree.<br/>- Proper functioning of the EPI closure systems after the tests.</p> |              |                                                |

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

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

## EN 14126 - AGAINST INFECTIVE AGENTS

|                                                                                     |                                                                                                         |
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|  | <p>Performance requirements and tests methods<br/>for protective clothing against infective agents.</p> |
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## EN 1073-2 - AGAINST RADIOACTIVE CONTAMINATION

|                                                                                     |                                                                                                                                |
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|  | <p>Requirements and test methods for non-ventilated<br/>protective clothing against particulate radioactive contamination.</p> |
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"X" means that the glove has not been submitted to the test.