

- If repairs or alterations (e.g., Adding badges) are required, please have this work done by professionals. Use original materials and consider the design limitations imposed by applicable safety standards.
- The application of protective finishes (such as waxes or fluor-carbon finishes) can have a negative influence on the level of protection.
- If the garment has extra layers at the knees, this is only to enhance the strength of the garment or to enhance the comfort of the wearer. This is by no means a protection against knee injuries.
- This garment is suitable for wearing during an entire working day and contains no toxic, carcinogenic, mutagenic, or other substances that adversely affect your health, hygiene, and wellbeing. We know of no allergic reactions caused by these garments' contact with skin.
- These garments can be recycled.

Special warnings explosive atmospheres:

- To ensure good conductivity, it is necessary to wear the clothing fully closed.
- To ensure discharge of electrostatic charges, the garments need to be earthed properly. Contact between the conductive garments and conductive footwear will certainly enhance this discharge. In any case, a correct earthing (maximum resistance 108 Ohm) is essential.
- At the design stage the manufacturer ensured that all metallic parts are covered during the normal use - this to prevent the generation of sparks. Do make sure that while wearing this clothing all metallic parts of accessories (for instance the buckle of a belt) are covered at all times. Also make sure that these protective garments completely cover your underlying clothing at all times (e.g. when bending over).
- Whilst wearing these garments in an ATEX environment, do not attach accessories or equipment to the outside of garments unless they fulfil the ATEX requirements for equipment (Ex materials and equipment). Make sure to use in this type of environments only explosion safe equipment. Do not attach any materials that contain metal to the outside of garments.
- Electrostatic dissipative protective clothing is intended to be worn in Zones 1,2,20,21 and 22 (see EN 60079-10-1 and EN 60079-10-2) in which the minimum ignition energy of any explosive atmosphere is not less than 0.016mJ.
- Electrostatic dissipative protective clothing shall not be used in oxygen enriched environments, or in Zone 0 (see EN 60079-10-1) without prior approval

of the responsible safety engineer.

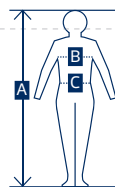
- Under no circumstances you should open or take Electrostatic dissipative protective clothing off in an explosive atmosphere or whilst handling flammable or explosive substances.
- Soiling will change the characteristics of the fabrics used in the garment.

Special warnings chemical protection:

- This clothing provides limited protection against chemical splashes. In case of accidental exposure to chemicals, make sure to take off the garment immediately, ensuring that the chemical does not come into contact with bare skin. Take the necessary precautions to clean the garment separately from other garments or replace if necessary.
- Expected shelf life : > 24 months

Size indication

All sizes indicated in this pictogram are measured on the wearer and different from the garment's measurements.



- A = total length (cm)
- B = girth of chest (cm)
- C = girth of waist (cm)

Reference

ScanRain FR/AS is the general reference for the Scandia garments produced according to the described standards. You will also find a specific product reference on the label.

Care instructions

Stains are best removed as soon as possible. If necessary diluted perchlorine-ethylene can be used locally.

	Do not wash. We recommend cleaning with a wet cloth or rinse the clothing off if needed.
	Do not use bleach or chlorine-based detergents.
	No tumble dry.
	Do not iron.
	Do not dry clean.

Disclaimer

Scandia Gear is not liable for damages that result from the improper use of these garments.

Certification of these garments was conducted by the following notified body: Centexbel, Technologiepark 70, B-9052 Zwijnaarde (identification number: NB 0493).

SCANRAIN REFLECT FR/AS

Flame-resistant Anti-static Hi Viz Rainwear



User's Instruction

www.scandiagear.com

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SCANRAIN REFLECT FR/AS

Thank you for choosing our rainwear

Type examination confirms that these garments comply with the essential requirements of the European Directive 89/686/EEC and / or EU regulation 2016/425 for Personal Protective Equipment (PPE) and are certified in compliance with harmonized standards EN ISO 13688 (2013), EN ISO 14116 (2015), EN 1149 (2018), EN 343 (2019), EN ISO 20471 (2013 + A1:2016) and EN 13034 (2005 + A1:2009)

The EU Declaration of Conformity (DOC) can be obtained through following link: www.scandiagear.com

Read these instructions before the first use carefully and keep them in case you need to get further information at a later stage.

Application

These garments protect against rain and wet weather conditions.



EN343:2019

- 3
1
X
- EN343:2019**
- Protective clothing: protection against rain.
- 3:** protection level for water penetration (3 classes of which 3 is the best performing)
- 1:** protection level for water vapour resistance (3 classes – 1 is the lowest)
- X:** Raintower test (optional)
- X: means “not tested”

As the breathability of the garment is limited (class 1), it is recommended to limit the continuous wearing time. Below table can be used as a guideline:

Recommended maximum continuous wearing time for a complete suit consisting of jacket and trousers without thermal lining				
Temperature of working environment	Class 1 Ret above 40	Class 2 25 < Ret ≤ 40	Class 3 15 < Ret ≤ 25	Class 4 Ret ≤ 15
25 °C	60 min	105 min	180 min	No limit
20 °C	75 min	250 min	No limit	No limit
15 °C	100 min	No limit	No limit	No limit
10 °C	240 min	No limit	No limit	No limit
5 °C	No limit	No limit	No limit	No limit

Table valid for medium physiological strain M = 150 W/m², standard man, at 50% relative humidity and wind speed of 0,5 m/s.



EN ISO 14116:2015 index 1

EN ISO 14116:2015

Protective clothing: protection against heat and flame spread.

The clothing complies with EN ISO 14116 (limited flame spread clothing). It is produced with materials which, when in contact with a flame, will not spread the flame as soon as the flame source is taken away. This specific clothing is classified as index 1, which also implies that, when in contact with a flame, a hole can be formed in the material. This clothing can under no circumstances be worn directly on the skin. Appropriate protective clothing (of Index 2 or 3) must be worn under these garments.



EN 1149-5:2018

EN 1149-5:2018

This clothing complies with EN 1149-5:2018. The fabric has been tested and approved against EN 1149-3:2004 – measurement of charge decay. The clothing is designed to allow discharge of static electricity in order to avoid incendiary discharges in an explosive atmosphere that could lead to dangerous situations.

The requirements used are not strict enough for oxygen enriched environments. The clothing is NOT designed to protect against main voltages.



EN ISO 20471:2013 +A1:2016

EN ISO 20471:2013+A1:2016

High Visibility warning clothing for professional use.

The clothing also complies with EN ISO 20471:2013+A1:2016. This Standard specifies requirements for High Visibility garments capable of signaling the user's presence visually. This rainwear provides conspicuity of the user in hazardous situations under any light conditions by day (fluorescent material) and under illumination by vehicle headlights in the dark (reflective material). The fluorescent fabric was washed 5 times prior to testing of the fluorescent properties. Pictogram on the garment indicates compliance with EN ISO 20471.

X = Classification of the applied surface of fluorescent and retro reflective material. Classes 1 to 3 (of which class 3 is the highest achievable class)

EN ISO 20 471 classification of fluorescent and retro reflective surface (X):

	Class 1	Class 2	Class 3
Fluorescent material	0,14 m ²	0,50 m ²	0,80 m ²
Reflective tape	0,10 m ²	0,13 m ²	0,20 m ²

ScanRain Reflect FR/AS 001 conforms to class 2.
ScanRain Reflect FR/AS 003 conforms to class 1.

Wearing ScanRain Reflect FR/AS 001 jacket and ScanRain Reflect FR/AS 003 Bib & Brace together provides class 3 protection.

The fluorescent fabric was washed 5 times prior to testing of the fluorescent properties.

Warning:

- The garments should not be covered with non-high visibility garments or accessories (e.g. logo's)
- As a result of wearing and washing, the fluorescent fabric might fade in time. In case of doubt about performance, please consult your safety officer for further guidance and/or replace the garment.



EN 13034:2005 +A1:2009

EN 13034:2005+A1:2009

Chemical protection

The clothing offers limited protection against chemicals in accordance to EN 13034:2005+A1:2009. The classification is Type 6.

This means that protection is provided against a limited amount of splashes/sprays of diluted chemical products. Please note that type 6 protection does not cover protection against harmful gases, chemicals in solid form or a full liquid tight barrier against highly concentrated chemicals.

Please select type 3,4 and 5 chemical protective suits for that type of use. A spray test on the entire suit has shown that ScanRain FR/AS is suitable for protection against chemical sprays in diluted form. The table below shows the test results for the different parameters and chemical products of EN13034.

	Maximum performance level	ScanRain FR/AS
Abrasion Resistance	Class 6	Class 5
Tear Strength	Class 6	Class 4
Tensile Strength	Class 6	Class 4
Resistance to Puncture	Class 6	Class 2
Liquid Repulsion	Class 3	H2SO4 Class 3 NaOH Class 3 O-xylene Class 3 Butan1-ol Class 3
Liquid Penetration	Class 3	H2SO4 Class 3 NaOH Class 3 O-xylene Class 3 Butan1-ol Class 3
Seam Strength	Class 6	Class 4

Warning:

- These garments should be worn with other high-visibility garments.
- Wear and laundering will affect the high-visibility capacities of these garments. Please contact your safety officer if you would like to replace one of your garments.

Correct product use

- The garments need to be worn closed at all times. Do also use the adjustments at wrists, ankles and waist when provided.
- In order to be protected in an efficient way, the user shall wear a complete suit with the same level of protection (a two piece suit consisting of a coverall or jacket and a pair of trousers or bib and braces). The garments (e.G. Jacket) can be sold separately.
- Please see to sufficient overlap between jackets and trousers (20 cms in all positions).
- These garments do not provide protection for your head, hands, and feet.
- Soiling with flammable products will change the characteristics of the fabrics used in the garment. Regular and thorough cleaning guarantees the efficiency of the garments (see care instructions).
- Damage to clothing (e.G., Holes, tears), staining and saturation by flammable liquids and material (e.G., Oil, contaminated dirt) will compromise the protections these garments provide. Check and clean these garments regularly and, if necessary, replace them to ensure your safety.