



INSTRUCTIONS FOR USE PERSONAL PROTECTIVE EQUIPMENT (P.P.E.)

Read these instructions carefully before using this clothing. Refer to your safety engineer or manager regarding the appropriate clothing for your specific work situation. Keep these instructions carefully so you can refer to them whenever you wish.

Declaration of conformity for this P.P.E. and more comprehensive instructions for use: see <http://sio.to/eudoc>



This item complies with the fundamental requirements of *European Regulation 2016/425* on personal protective equipment (P.P.E.) based on European harmonised standard(s); you will find corresponding pictograms and protection classes on the label sewn into this garment.



This item complies with the fundamental requirements of the Personal Protective Equipment Regulations (*Regulation (EU) 2016/425*) as they apply in GB, as amended, based on designated standard(s) and/or technical specification(s);

Except for clothing that is only labelled *EN 343* and/or *EN 14058* and/or *EN 13758-2* (and is covered by self-certification, with exception of $R_{ct} > 0.25 \text{ m}^2 \text{ K/W}$), all our other P.P.E. covered by this manual has been certified by Centexbel, **Technologiepark 70, B-9052 Zwijnaarde (Belgium) - NB 0493**. Clothing covered by this manual that is labelled with the UKCA pictogram has been certified by approved body **Centexbel International Ltd., 8 Northumberland Avenue, London WC2N 5BY, UK - AB 8515**. If this number 0493 or 8515 is shown on the right next to the CE or UKCA pictogram on the label sewn into the garment, it means that it is category III P.P.E. of a complex design that is to protect the user against hazards which are fatal or which can seriously and irreparably impair one's health, and the quality assurance monitoring of the manufacturing process is carried out by Centexbel.

This P.P.E. complies with General Standard *EN ISO 13688:2013 / EN ISO 13688:2013+A1:2021*. This P.P.E. complies with the REACH Regulation and does not contain any substances known at this time to cause allergic reactions or which are known to be carcinogenic or mutagenic. As with all

P.P.E., this product does not protect you against all risks! Check your specific risk assessment.

This P.P.E. will also be worn combined with other P.P.E. (including non-clothing P.P.E.). Check the compatibility and correct use when combined with other P.P.E.. Read the manuals of other P.P.E. as well.

With regard to protection against rain, cold, chemicals, fire, heat, etc. it is self-evident that you will only be protected on the parts of the body covered by the P.P.E. when performing activities and movements. As it is possible to combine different garments, you need to ensure that all parts of the body are covered with the appropriate levels of protection.




Making alterations to this clothing (without authorisation from Sioen) is not permitted! For optimum and compliant protection, you need to close all fasteners.

Never wear a damaged garment. A damaged garment must be taken out of use immediately and either repaired or replaced. Notify your manager at once. At 'end of life', this garment must be collected, removed and processed in controlled conditions (professional collection service for mechanical or thermal recycling, etc.) in a specialised facility. Sioen has no obligation or responsibility for taking back the P.P.E. for safe disposal.

We recommend professional care (via an in-house or external laundry). Specific care instructions for commercial laundries are available from Sioen upon request or on the Sioen website <http://sio.to/eudoc>. Care instructions for domestic laundering (which can also be done at a commercial laundry!) appear on the label sewn into the garment.

You will find a more detailed explanation of these symbols on the Sioen website <http://sio.to/eudoc>.

Please contact your Sioen dealer in all cases for more information about care instructions, repairs and safe destruction methods.

Label	Clarification
MAX	Maximum (theoretical) number of cleaning cycles means certification testing to be carried out after x cleaning cycles.
	Expiry date or 'do not use after' date.
	Certification tests carried out after an industrial laundry process (see http://sio.to/eudoc).
	The values entered in A, B, C are the corresponding body measurements (in cm) for which this garment is suitable. You will find the various sizing tables on our website see http://sio.to/eudoc . (A: Waist girth - B: Chest girth - C: Length)

Do not allow your garment to become too soiled. **Soiled clothing can result in reduced protection.** Chemicals (including their long-term effect due to clothing being put away soiled) can impair the protective properties of the clothing.

When picking up your clothing check that you have the right size and that there is no visible damage in evidence.

As a general rule, garments should be selected in such a way that the work can be carried out comfortably and unhindered.

Manufacturing traceability

The requisite details are shown at the bottom of the label.

Storage instructions

When you are not wearing the garment, you should store it dry, uncompressed, in a well-ventilated room. Avoid extreme temperatures and avoid direct sunlight to prevent colour changes. Complaints about colour changes will not be considered.

Sioen cannot be held liable for damage occurring as a result of improper use of the P.P.E. or any use that does not comply 100% with the instructions for use set out above.

Seasonal protective clothing - Protection against water



This pictogram **without** any mention of [EN 343](#) standard indicates seasonal protective clothing (self-certification) with basic protection against light rain and drizzle and with seams which are not necessarily made waterproof.

EN ISO 20471:2013 +A1:2016

This clothing makes the user stand out where visibility is poor in high-risk situations



EN ISO 20471

The combination of a fluorescent base material with retroreflective strips signals your presence in daylight or in the dark (in the light from headlamps) respectively.

Protective clothing with reference HRVx

<i>x (See label)</i>	Fluorescent (m ²)	Retroreflective (m ²)
Class 1	≥ 0.14	≥ 0.10
Class 2	≥ 0.50	≥ 0.13
Class 3	≥ 0.80	≥ 0.20

The garment must be fully closed and must not be covered in order to ensure visibility.

Visibility is dependent on use (e.g. soiling, etc.) care (repairs, cleaning, etc.) and storage (to be stored preferably in a dark environment). The maximum permissible number of care cycles is shown on the label as 'Max xx' (this is an indication of the number of laundry

cycles after which certification has been carried out) but this is not the only factor that will determine the lifespan of the garment. The lifespan will also depend on use, care, storage conditions, etc. Caution is advised when laundering together with other dark garments (risk of colourstaining). After exposure to light, the colour may fall in a different colour area from the original, however the colour will then still comply with EN ISO 20471.

For P.P.E. with removable sleeves its class may (will) be lower with the sleeves unzipped (see label). A sleeveless EN ISO 20471 Class 3 garment must be combined with a garment which has long sleeves and/or long trouser legs with 2 retroreflective strips 5 cm wide and a minimum of 5 cm of fluorescence all around the sleeves and/or trouser legs respectively.

EN ISO 20471 - Except § 5.6

This clothing provides the user protection against insignificant visibility by means of conspicuous materials, in accordance with EN ISO 20471:2013+A1:2016, with the exception of §5.6. - Physiological performance - Water vapour and thermal resistance. The garment has restricted wearingtime



EN ISO 20471
Except § 5.6

This garment does not comply with clause 5.6 of the standard EN ISO 20471:2013+A1:2016, which meets minimum performance to physiological performances such as water vapour and thermal resistance. Therefore, the clothing has a limited wearing time. A recommendation is added in the clothing "Restricted wearing time". The following table is a guide to illustrate the effect of water vapour permeability on the recommended continuous wearing time of a garment in different ambient temperatures.

Temperature of working environment (°C)	25	20	15	10	5
Recommended max continuous wearing time (min.)	60	75	100	240	NA

Seasonal protective clothing - Thermal protection

This pictogram **without** any mention of EN 14058 standard indicates seasonal protective clothing (self-certification) with a basic thermal lining that is to be used in an environment with humidity and windchill (for mild cold, temperatures above -5°C).



EN 14058:2017

Protection against cool environments (possible combination of humidity and wind at temperatures not lower than -5°C)



EN 14058

Protective clothing with reference LC a, b, c, d

- a Thermal resistance R_{ct} measured on fabric combination: class 1 to 4. (see label)
- b Optional: air permeability class: classes 1 to 3. (see label)
- c Optional for a = 1, 2 or 3: resultant effective thermal insulation value I_{cler}

(in $m^2.K/W$), measured dynamically on clothing combined with type R underclothing item code (see label for value).

- d Optional: resistance to water penetration > 0.8 m water column.

An 'X' on the label means that this optional property has not been tested.

	a: Rct ($m^2 K/W$)	b: Air permeability AP (mm/s)
Class 1	$0.06 \leq Rct < 0.12$	$100 > AP$
Class 2	$0.12 \leq Rct < 0.18$	$5 < AP \leq 100$
Class 3	$0.18 \leq Rct < 0.25$	$AP \leq 5$
Class 4	$0.25 \leq Rct$	/

For the intended field of use of classes 1 to 4 inclusive, see tables on Sioen website:
<http://sio.to/eudoc>

Thermal insulation can decrease after laundering or due to compression. This garment protects only those parts of the body that are covered by the garment. For complete protection, the entire body including arms and legs needs to be covered. A bodywarmer or waistcoat only provides supplementary protection.

EN 13758-2:2003 +A1:2006

Protects the user against UV radiation (UVA + UVB) from the sun



EN 13758-2

Protective clothing with reference UPF

UPF (ultraviolet protection factor) must be at least 40 and is to be measured in accordance with [EN 13758-1](#). This clothing only protects the parts of the body which are covered. Exposure to the sun for long periods can cause serious damage to your skin. Accordingly, use a high-factor sun cream on parts not covered. The protective factor of this clothing can be reduced through use, when taking it off or when wet.

EN 14404:2004 +A1:2010


Personal protective equipment - knee protectors for work in the kneeling position



X

This personal protective equipment (trousers + knee protector) will protect the knees of the wearers when the wearers regularly must kneel to perform their work. It will minimize the risk of injury and chronic discomfort caused by continuous pressure on the knees when working in a kneeling position. The selection and use of the correct PPE shall be based on a risk assessment of the conditions in which the wearer will be working.

To protect the wearer, the kneepad shall be correctly put in the knee pockets of the workwear trousers. When standing, the kneepads in the trousers shall be just below the kneecaps. The certification is only valid for the combination of the kneepad with the workwear trousers mentioned below:

Reference Kneepad	Reference Trousers	Type and level
JEROM - 001WA2ZZQ Size kneepad: one size fits all Composition: 100 % EVA foam Measurements: Length= 240 mm Width= 140 mm Thickness = 22 mm	101WA2PQA	 1 Type 2 level 1
	104WA2PQA	
	106WA2PQA	
	107WA2PQA	
	110WA2OAA	
	113WA2OAA	

Type 2 kneepads are protectors placed in kneepad pockets on trousers.

- **Level 0** knee protectors suitable only for use on flat surfaces and providing no protection against penetration.
- **Level 1** knee protectors suitable for use on flat or non-flat floor surfaces and providing protection against penetration at a low force ($\geq 100 \pm 5$ N).
- **Level 2** knee protectors suitable for use on flat or non-flat floor surfaces in severe conditions and providing protection against penetration at a medium force ($\geq 250 \pm 5$ N).

On the kneepad is clearly indicated the top side and the side that should be towards the knee.

The kneepads are not intended for use in contact with solvents and are not water resistant. The kneepads can be impaired in extreme hot or cold environments. Keep the kneepads away from heat and fire. The kneepads shall be removed from the trousers before washing. The kneepads can be wiped with a damp cloth.

No protector can offer full protection against injuries. Care should always be taken to limit the time spent in kneeling position to prevent repetitive strain injuries. Always seek medical advice when experiencing problems.

The kneepads shall be visually inspected regularly. When there is dirt, permanent contamination, embrittlement, damage or wear, or the kneepad is altered, this can severely undermine the protection performance. When a kneepad is worn/damaged/compressed, both kneepads shall be discarded immediately and replaced by new ones.

EN 510

Risk of entanglement with moving parts

Protective clothing with RO item code

Protective clothing that reduces the risk of entanglement with moving machinery - or parts thereof - for wearers who work in the vicinity of machinery or equipment with hazardous moving parts.

With a 2-piece P.P.E. suit, it requires to be worn together and there must be no gaps occurring between the jacket and trousers as a result of body movements. This clothing must be worn as far as possible fitted/close to the body and be closed completely.



EN 510

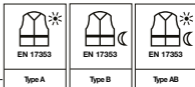
Clothing capable of signaling the user's presence visually

This clothing does not meet the requirements and is not in accordance with [EN ISO 20471](#).



EN 17353:2020

This clothing makes the user stand out where visibility is poor in medium-risk situations



This clothing is intended for medium risk situations depending on the task related risk analysis: significantly reduced traffic speeds (≤ 60 km/hr active road users or ≤ 15 km/hr for passive road users) and/or reduced traffic density. It is not intended for high-risk situations which are covered by [EN ISO 20471](#).

The presence of a fluorescent base material and/or retroreflective strips signals your presence in daylight or in the dark (in the light from headlamps) respectively.

Protective clothing with reference MRV_x

x (See label)	type	Fluorescent (m ²)	Retroreflective (m ²)	Combined material (m ²)
Type B2	Dark conditions - limbs	/	≥ 0.018	/
Type B3	Dark conditions - on torso or torso and limbs	/	$\geq 0.08^*$	/
Type A	Daylight	$\geq 0.24^*$	/	/
Type AB	Daylight, twilight and dark conditions	$\geq 0.24^*$	$\geq 0.08^*$	$\geq 0.24^*$

(*) For height > 140 cm

The garment must be fully closed and must not be covered in order to ensure visibility.

Visibility is dependent on use (e.g. soiling, etc.) care (repairs, cleaning, etc.) and storage (to be stored preferably in a dark environment). The maximum permissible number of care cycles is shown on the label as 'Max xx' (this is an indication of the number of laundry cycles after which certification has been carried out) but this is not the only factor that will determine the lifespan of the garment. The lifespan will also depend on use, care, storage conditions, etc. Caution is advised when laundering together with other dark garments (risk of colourstaining). Wash together with similar colours. Any alterations of the product such

as printing of logos may compromise the minimum areas and performance of the product. After exposure to light, the colour may fall in a different colour area from the original, however the colour will then still comply with EN 17353.

SIOEN

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