

Instructions for use

Insulated clothing, protecting against cold, with high visibility, consists of:







Insulated jacket art. 3-1018-182	Insulated jacket art. 3-1240-182	Insulated jacket art. 3-1241-182	Insulated trousers art. 3-5241-182	Insulated bib-trousers art. 3-6241-182	Insulated bib-trousers art. 3-6540-182
 <p>Clothing meets the essential requirements for personal protective equipment, contained in the Regulation of the European Parliament and of the Council of the European Union 2016/425 dated 9 March 2016.</p>		 <p>EN 342:2017 0,420 (B) 1 X</p>	<p>Protective clothing – Ensembles and garments for protection against cold I_{cler} 0,420 m² K/W (B) AP – class 1 WP – X* (resistance to water penetration) *X indicates that the clothing has not been tested</p>	 <p>Before using, read the contents of this instructions for use.</p>	
 <p>EN ISO 20471:2013/A1:2016 max 50 x</p>		 <p>EN ISO 20471:2013/A1:2016 max 50 x</p>		 <p>EN ISO 20471:2013/A1:2016 max 50 x</p>	
<p>1 – next to the graphic symbol indicates the class of clothing visibility. Max 50 x under the graphic symbol means the maximum number of washes.</p>		<p>2 – next to the graphic symbol indicates the class of clothing visibility. Max 50 x under the graphic symbol means the maximum number of washes.</p>		<p>3 – next to the graphic symbol indicates the class of clothing visibility. Max 50 x under the graphic symbol means the maximum number of washes.</p>	
Clothing models in relation to visibility classes according to EN ISO 20471:2013/A1:2016					
<p>Class 1: - 3-5241-182 - 3-6241-182</p>		<p>Class 2: - 3-1018-182 - 3-1240-182 - 3-6540-182</p>		<p>Class 3: - 3-1018-182 + 3-5241-182 - 3-1018-182 + 3-6241-182 - 3-1018-182 + 3-6540-182 - 3-1240-182 + 3-5241-182 - 3-1240-182 + 3-6241-182 - 3-1240-182 + 3-6540-182 - 3-1241-182</p>	

Table 1. Resultant effective thermal insulation of clothing I_{cler} and ambient temperature conditions for heat balance at different durations of exposure. Results given in Celsius scale (°C).

Insulation I _{cler} m ² K/W	Wearer standing			
	Air velocity			
	0,4 m/s		3 m/s	
	8h	1h	8h	1h
0,420	3,00	-14,51	10,69	-5,05

Table 2. Resultant effective thermal insulation of clothing I_{cler} and ambient temperature conditions for heat balance at different activity levels and durations of exposure. Results given in Celsius scale (°C).

Insulation I _{cler} m ² K/W	Wearer moving activity							
	light 115 W/m ²				medium 170 W/m ²			
	Air velocity							
	0,4 m/s		3 m/s		0,4 m/s		3 m/s	
	8h	1h	8h	1h	8h	1h	8h	1h
0,420	-12,13	-31,16	-2,26	-18,61	-32,97	-52,72	-18,82	-36,23

Intended use

Insulated clothing, protecting against cold, with high visibility, designed to protect against the effects of a cold environment at a temperature equal to or lower than -5°C (temp. range given in Table 1 and Table 2) and to visually signal the presence of the user in order to ensure his visibility for vehicle operators or other mechanical devices, in all lighting conditions, both in daylight and in the dark when illuminated by vehicle headlights. Clothing meets the applicable essential requirements for personal protective equipment contained in the Regulation of the European Parliament and of the EU Council 2016/425 of 9 March 2016 on personal protective equipment and in the standards: EN ISO 13688:2013, EN 342:2017 and EN ISO 20471:2013/A1:2016.

Use

Clothing should be used only as a set i.e. jacket together with trousers or bib-trousers. Wear only on winter garments and underwear, fastened with all fasteners. In order to properly protect the user against cold, cover the remaining parts of the body that not protected by clothing with appropriate means (footwear, hand protection and head protection). Clothing should be cleaned according to the manufacturer's instructions.

Repairs






Clothing should be cleaned regularly as recommended by the manufacturer. Clothes should be checked after cleaning. Each time before use, an employee intending to use clothing should inspect the clothing for damage. If the product inspection reveals that the clothing is not complete or damaged, it must be repaired. Damaged clothing can only be repaired by a service provided by specialized facilities or by trained persons. Damaged items of clothing (e.g. tapes) should be replaced. Fabrics and threads as well as missing fasteners (adhesive tapes) used for repairs should be original and supplied by the clothing manufacturer. Clothing after repair should keep its original shapes and dimensions. ATTENTION: A faulty repair can result in the loss of protective properties of clothing.

Storage and transport

The clothing should be transport in original packaging (plastic bags), protecting against dirt, mechanical damage and getting wet. Store the clothing in a dry and well-ventilated place, away from heat sources and light points. Do not store the clothing when it is dirty.

Maintenance

Do not wash clothing with other clothing. Use the following maintenance procedures:

				
Maximum washing temp. 40°C – mild process	Do not bleach	Tumble drying possible – lower temperature. Max. exhaust temp. 60oC	Iron at max. sole-plate temperature of 110°C	Professional dry cleaning in tetrachloroethene and all solvent listed for the symbol F, normal process

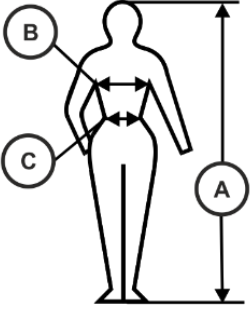
Warnings:

- Properties of high visibility, confirmed after 50 maintenance cycles.
- Parameter tests according to EN 342:2017 were carried out after 5 maintenance cycles. After each maintenance process, the protective properties of clothing decrease.
- The number of washes is not the only factor associated with the durability of clothing. The duration of use will depend on the conditions of use, storage conditions etc.
- Clothing does not protect against water penetration.
- The personal protection equipment after use is a waste, which the user should properly classify and then transfer for disposal in accordance with applicable law.
- No allergenic substances have been found in the materials used to manufacture the clothing; however, if any allergic reactions are noticed, especially in the case of sensitive individuals, such a person should leave the working zone, take off the garment and consult a doctor.
- It is advisable to keep this manual for further reference.

Body dimensions to the size of protective clothing

In order to properly choose the size of clothing, use the information in the size table. Body measurements should be made at the places marked in the figure below.

Size table (dimensions are given in centimeters)

	Size	Height (A)	Chest size (B)	Waist size (C)
	002/S	164-170	88-92	80-84
	003/M	170-176	92-96	84-88
		170-176	96-100	88-92
004/L	176-182	100-104	92-96	
		176-182	104-108	96-104
005/XL	182-188	108-112	104-108	
		182-188	112-116	108-116
006/XXL	188-194	116-120	116-120	
		188-194	120-124	120-128

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EU Declaration of Conformity at: www.kegel.pl/ce

Composition: **Fabric:** Polyester 70%, Cotton 30% **Insulated lining:** Polyester 100%