

Instructions for use

Protective clothing, protecting against cold, consisting of:

Insulated jacket
art. 3-1001-182

Insulated jacket
art. 3-1002-182

Insulated trousers
art. 3-5001-182

Insulated bib-trousers
art. 3-6001-182

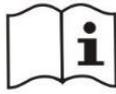
 <p>EN 342:2017 0,406 (B) 1 X</p>	Protective clothing – Ensembles and garments for protection against cold - I_{cler} 0,406 m² K/W : the level of the resulting effective thermal insulation - (B) – indicates that the I _{cler} level was determined using the Type B reference garments as indicated in EN 342:2017, table B.1 (Long Sleeve Undershirt, Long Underpants, Socks) - AP – class 1 : air permeability classification, where class 1 means air permeability > 100 mm/s - WP – X : water resistance level classification, where X means that the garment has not been tested		Before using, read the contents of this instructions for use.
			Clothing meets the essential requirements for personal protective equipment, contained in the Regulation of the European Parliament and the Council of the European Union 2016/425 of 9 March 2016.

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

Insulation I _{cler} m ² K/W	Wearer standing, 75 W/m ²			
	Air velocity			
	0,4 m/s		3 m/s	
	8h	1h	8h	1h
0,406	3,88	-12,85	11,45	-4,02

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 are in degrees Celsius (°C).

Insulation I _{cler} m ² K/W	Wearer moving activity							
	light 115 W/m ²				light 115 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
0,406	-10,82	-29,51	-1,25	-17,27	-31,12	-50,59	-17,35	-34,48

Intended use

Protective clothing, protecting against cold, consists of: insulated jacket art. 3-1001-182, insulated jacket art. 3-1002-182, insulated trousers art. 3-5001-182 and insulated bib-trousers art. 6001-182, designed to protect against the effects of a cold environment at a temperature equal to or lower than -5°C. Protective clothing with air permeability (AP) class 1, water vapor resistance (R_{et}) equal to 29,9 m²Pa/W, provides protection against cold in the range given in table 1 and table 2. 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 ISO 13688:2013/A1:2021, EN 342:2017.

Use

Clothing should be used only as a set i.e jacket 3-1001-182 or 3-1002-182 together with trousers 3-5001-182 or bib-trousers 3-6001-182. 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.

Repair

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.

Additional information

- Parameter tests according to EN 342:2017 were carried out after 5 maintenance cycles. After each maintenance process, the protective properties of clothing decrease.
- 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.
- Additional elements made of reflective tape are not used to indicate the user's visibility.
- 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.

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

EU Type Examination Certificate issued by notified body no. 2534 – ITT CERTEX Sp. z o.o. 91-765 Łódź, ul. Górnicza 30/36, Polska.

Composition: Fabric: Polyester 70%, Cotton 30% Lining + insulation: Polyester 100%

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	84-92	76-84
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
007/XXXL	188-194	124-132	128-136

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. 60°C	Iron at max. sole-plate temperature of 110°C	Professional dry cleaning in tertachloroethene and all solvent listed for the symbol F, normal process