



INSTRUCTIONS FOR USE

Product Reference: PCL08 comprising TG4892 Coverall, TG4922 Coverall, TG4923 Coverall

Composition: Cotton, polyester and antistatic

Protective clothing for industrial workers exposed to heat – EN ISO 11612:2015 A1, A2, B1, C1, E3, F1. It can also be used as protective clothing for welding and allied processes – EN ISO 11611:2015 Class 1 A1 & A2, to provide electrostatic protection and avoid incendiary charges in the form of charge decay and to protect against the thermal hazards of an electric arc EN 61482-2:2020 (ATPV = 19 cal/cm², ELIM = 18 cal/cm²)



Please read these instructions carefully before use. Refer to the garment label for information on the corresponding standards.



The garment bears the CE mark to demonstrate compliance with the requirements of PPE Regulation (EU) 2016/425.



The garment bears the UKCA mark to demonstrate compliance with the requirements of PPE Regulation (EU) 2016/425 as brought into UK law and amended.

Important Recommendations

- Prior to performing work associated with certain risks, always consult your safety officer regarding the appropriate personal protective equipment.
- Only wear garments of a suitable size. Products that are too loose or too tight will restrict movement and not provide the optimum level of protection.
- The garment must be worn fully fastened.
- The garment is designed to be worn in combination with other protective clothing of equal or greater protection, and for full body protection suitable additional protective equipment shall be used (helmet with protective face screen, protective gloves and footwear (boots)).
- Information given in the care label should be followed. The manufacturer cannot be held liable in the case of improper or incorrect use.
- Dirty clothing may lead to a reduction in protection. Should the garment become irrecoverably soiled or contaminated, for example with grease, oil, flammable liquids or combustible materials, replace the item with a new one.
- It is not recommended that these products are used in a situation where they become damaged by abrasion, tearing, cutting etc.
- Damaged garments should not be repaired, and instead replaced with a new garment.
- Discarded items should be disposed of in accordance with local waste disposal rules.
- To reduce the risk of contamination, do not wash in a domestic environment.
- No modification e.g. adding logos must be made to these garments or this may invalidate the CE and UKCA certification of this product.

Storage: Do not store in strong, direct sunlight.

Maintenance: Clothing shall be cleaned regularly in accordance with the manufacturer's recommendations. After cleaning, the clothing shall be visually inspected for any sign of damage.

Aftercare: The manufacturer will not accept liability for garments where care labels have been ignored, defaced or removed.

Care Labelling:



Clothing to protect against heat and flame

EN ISO 11612:2015



A1 A2 B1 C1 E3 F1

Protection against exposure to limited flame spread, convective heat, radiant heat, molten iron splash and contact heat.

Code Letter A1 Limited flame spread (A1 surface ignition)

Code Letter A2 Limited flame spread (A2 edge ignition)

Code Letter B1 Convective heat (level B1 lowest, level B3 highest)

Code Letter C1 Radiant heat (level C1 lowest, level C4 highest)

Code Letter E3 Molten iron splash (level E1 lowest, level E3 highest)

Code Letter F1 Contact heat (level F1 lowest, level F3 highest)

Protective clothing for use in welding and allied processes

EN ISO 11611:2015



Class 1, A1+A2

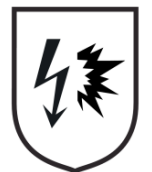
Protection against exposure to small splashes of molten metal (light formation of spatter), limited flame spread, radiant heat from an electric arc used for welding, and the possibility of electric shock by short-term, accidental contact with live electrical conductors up to 100 V d.c.

The standard specifies two classes with specific performance requirements:

Class 1 is protection against less hazardous welding techniques and situations, causing lower levels of spatter and radiant heat.

Class 2 is protection against more hazardous welding techniques and situations, causing higher levels of spatter and radiant heat.

EN 61482-2:2020



ATPV = 19 cal/cm²

ELIM = 18 cal/cm²

(Achievable ELIM = 24.79 cal/cm²)

Live working – Protective clothing against the thermal hazards of an electric arc

Protection against the thermal hazards of an electric arc in the form of convective and radiant energy (EN 61482-1-1:2019).

Arc Thermal Performance Value (ATPV) refers to the maximum incident energy that protective equipment can be exposed to with a 50% probability of a second-degree burn.

The incident energy limit (ELIM) refers to the energy level that protective equipment can be exposed to with a 0% probability of a second-degree burn.

(excluding 5.5.2. Durability of marking)

EN 1149-5:2018



Electrostatic properties of clothing

Dissipative clothing to provide electrostatic protection and avoid incendiary charges in the form of charge decay (EN 1149-3:2004)

Intended Uses

These garments can be used as protective garments for industrial workers exposed to heat & thermal risk – EN ISO 11612:2015, and for welding workers – EN ISO 11611:2015. This includes, but not limited to:

- Utility industries.
- General industrial applications,
- Metallurgy, foundry and casting operations and the like (medium to heavy duty),
- Glass industry (medium to heavy duty),
- Plastic moulding and processing (heavy duty),
- Thermal treatment operations (light duty),
- Manual welding techniques and allied processes (Class 1, A1+A2) with light formation of spatters and drops, e.g.: Gas welding, TIG welding, MIG welding, micro plasma welding, brazing, spot welding, and MMA welding (with rutile-covered electrode).
- Welding and allied processes which requires operation of machines (Class 1, A1+A2), e.g.: oxygen cutting machines, plasma cutting machines, resistance welding machines, machines for thermal spraying and bench welding. and
- Domestic use.

The above intended uses are recommendations, but it is up to the end user to decide suitability of the product for the intended application.

Limitations of Use

- In the event of an accidental splash of chemical or flammable liquids, the wearer shall immediately withdraw and carefully remove the garment, ensuring that the chemical or liquid does not come into contact with the skin. The clothing shall then be cleaned or removed from service.
- Limited flame spread properties will be reduced if the garment is contaminated with flammable liquids.
- In the event of molten metal splash, the wearer shall leave the working place immediately and remove the garment. If worn next to the skin, the garment may not eliminate all risks of burn.
- Additional partial body protection may be required, e.g. for welding overhead.
- The garment is not designed to prevent electric shock and is only intended to protect against brief, inadvertent contact with live parts of an arc welding circuit. Additional electrical insulation layers will be required where there is an increased risk of electric shock.
- An increase in the oxygen content of the air will reduce considerably the protection of the welders' protective clothing against flame. Care should be taken when welding in confined spaces, e.g. if it is possible that the atmosphere may become enriched with oxygen.
- The electrical insulation provided by clothing will be reduced when the clothing is wet, dirty, or soaked with sweat.
- If the wearer experiences sunburn-like symptoms, UVB is penetrating. The garment should be replaced, and consideration given to the use of additional, more resistant, protective layers in future.
- The person wearing the electrostatic dissipative protective clothing shall be properly earthed. The resistance between the person's skin and earth shall be less than $10^8 \Omega$, e.g. by wearing adequate footwear on dissipative or conductive floors.
- Electrostatic dissipative protective clothing shall not be open or removed whilst in presence of flammable or explosive atmospheres or while handling flammable or explosive substances.
- Electrostatic dissipative protective clothing is intended to be worn in Zones 1, 2, 20, 21 and 22 (see EN 60079-10-1 [7] and EN 60079-10-2 [8]) in which the minimum ignition energy of any explosive atmosphere is not less than 0,016 mJ.
- Electrostatic dissipative protective clothing shall not be used in oxygen enriched atmospheres, or in Zone 0 (see EN 60079-10-1 [7]) without prior approval of the responsible safety engineer.

- The electrostatic dissipative performance of the electrostatic dissipative protective clothing can be affected by wear and tear, laundering and possible contamination.
- Electrostatic dissipative protective clothing shall be worn in such a way that it permanently covers all non-complying materials during normal use (including bending movements).
- The environmental conditions and the risks at the working site shall be regarded.
- Deviations from the IEC 61482-2:2018 parameters may result in more severe conditions.
- No garments such as shirts, undergarments or underwear made of, for example, polyamide, polyester or acryl fibres which melt under arc exposures, should be used.
- The garment is not intended to enhance conspicuity even though various-colour fabrics are used.
- This garment is intended to be earthed via contact with the skin at the neck/wrists/ankles' as applicable.

Sizing Information

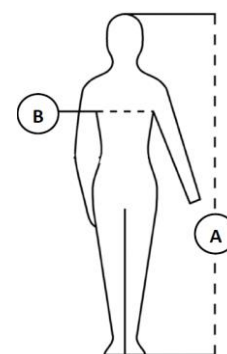
Fit according to chest size. Sizes given are in cm.

PCL08 Overall – Standard		
Size	To Fit (Chest)	To Fit (Height)
S	92-96	167-173
M	102-106	170-176
L	112-116	173-179
XL	122-126	176-182
2XL	132-136	185+
3XL	142-146	185+
4XL	152-156	185+
5XL	162-166	185+
6XL	172-176	185+

PCL08 Overall – Long Leg and Long Body		
Size	To Fit (Chest)	To Fit (Height)
XL	122-126	193-199

PCL08 Overall – Long Body		
Size	To Fit (Chest)	To Fit (Height)
XL	122-126	188-194
2XL	132-136	194+
3XL	142-146	194+
4XL	152-156	194+
5XL	162-166	194+
6XL	172-176	194+

PCL08 Overall – Long Leg		
Size	To Fit (Chest)	To Fit (Height)
M	102-106	175-181
L	112-116	178-184
XL	122-126	181-187
2XL	132-136	187+



EU Module B type-examination (certificate number **SH01308**) and EU Module D assessment (certificate number **SH01365**) were carried out by Shirley Technologies Europe Limited, Sky Business Centre, Port Tunnel Business Park, Office 13, Unit 1, Clonsaugh Business and Technology Park, Dublin 17, ROI (Notified Body Number 2895).

UKCA Module B type-examination (certificate number **524307**) and UKCA Module D assessment (certificate number **54219**) were carried out by BTTG Testing and Certification Ltd., Unit 14, Wheel Forge Way, Trafford Park, Manchester, M17 1EH, United Kingdom (Approved Body Number 0338).