



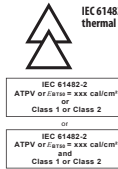
Please read these instructions carefully before using this safety clothing. You should also consult your safety officer or immediate superior with regard to suitable garments for your specific work situation. Store these instructions carefully so that you can consult them at any time.

Refer to the product label for detailed information on the corresponding standards. Only standards and icons that appear on both the product and the user information below are applicable. All these products comply with the requirements of Regulation (EU 2016/425).

**ISO 13688-2013 Protective Clothing (See label)**  
General Requirements This European Standard specifies general requirements for ergonomics, ageing, sizing, marking of protective clothing and for information supplied by the manufacturer.

- A= Recommended height range of wearer
- B= Recommended chest girth of wearer
- C= Recommended waist girth of wearer
- D= Recommended inside leg measurement of wearer

**IEC 61482-2:2009 Protection against the thermal effects of an electric arc event.**



The ISSA guideline for the selection of personal protective clothing when exposed to the thermal effects of an electric fault arc (ISBN 978-3-957824-08-6) should be referred to when selecting the appropriate level of protective garments.

The environmental conditions and the risks at the working site should be regarded.  
-Deviations from the parameters in the standard may result in more severe conditions

Electric arc hazards normally generate a much higher level of incident energy to the surface of the protective clothing than do flash fires, but for a much shorter length of time. The risk assessment should include consideration of the likelihood of occurrence of this specific thermal hazard, as well as its severity in case of such an event.

Under EN 61482-1-2:2007 in connection with IEC 61482-2 Ed.1 2009-04 - Two protection classes are tested. Protection Class 1 and protection Class 2 are safety requirements covering actual risk potentials due to electric fault arcs.

For the test a low voltage procedure is used. The tests can optionally be carried out in two fixed test classes, selected by the amount of protective short circuit current.  
- Class 1 4 KA EN 61482-1-2: 2014 Basic level of protection  
- Class 2 7 KA EN 61482-1-2: 2014 Increased level of protection  
The defined duration of the electric arc is 500 ms in both test classes. Material and clothing will be tested with two methods: the material box test method and the garment box test method. The test methods are not directed towards measuring the arc thermal performance value (ATPV). Methods determining the ATPV are prescribed in IEC 61482-1-1.

**IEC 61482-1-1 OPEN ARC METHOD**

This test method aims to establish the ATPV (Arc Thermal Performance Value) or EBT (Energy Breakopen Threshold) of a fabric. The ATPV is the amount of energy required to cause a 2nd degree burn through the material prior to break-open (50% probability). The EBT is the amount of energy required to break open the material (50% probability)

**ASTM F1559/F1599M-14: FABRIC TEST ONLY: This test method is the same as outlined above under EN 61482-1-1. Pre treatment may vary.**

**IMPORTANT RECOMMENDATIONS**

**Warning:** For full body protection the garments shall be worn in a closed state and other suitable protective equipment (helmet with face screen, gloves, footwear) shall be used.

**Warning:** No garments such as shirts, undergarments or underwear shall be worn which melt under arc exposures. For example garments made of polyamide, polyester or acrylic fibres

When garments are made from different materials with differing arc thermal protection a drawing shall be provided with dimensions and a warning indicating showing the areas of wear material.

To put on and take off garments, always fully undo the fastening systems. The clothing should be worn firmly closed.

Only wear garments of a suitable size. Products which are either too loose or too tight will restrict movement and will not provide the optimum level of protection. The size of these products are marked on them (always read the label).

If the clothing has an attached hood this must be worn while the wearer is working.  
Trousers or bib-overalls must be worn in combination with a suitable top.

If the clothing has knee pad pockets these must be provided with knee protectors that comply EN 14404 : 2004, to prevent medical complications. The dimension of knee protectors must be 195 x 145 x 15mm (length x width x thickness). However, knee protection does not provide absolute protection. Knee patches added to the clothing serve to enhance comfort and act as reinforcing (of the clothing). They do not protect the wearer against developing possible medical complications.

The manufacturer cannot be held liable in case of improper or incorrect use. The insulating effect of the protective clothing will be reduced by wetness, humidity or sweat.

Dirty clothing may lead to a reduction in protection, should at any time this garment become irreversibly soiled or contaminated, replace the item with a new one.

Damaged garments should not be repaired - instead replace with a new garment.

Discarded garments should be disposed in accordance with local waste disposal rules.  
To reduce the risk of contamination do not wash in a domestic environment.

**Available Size & Selection:** Fit according to correct chest and waist size, refer to size chart. These garments have built in allowance for comfort and to allow the garment to be worn over medium bulky clothing. To obtain overall protection, the wearer may need to wear gloves (to EN 407 or EN 12477), Boots (to EN 20345) and or Safety helmet (to EN 397).  
**Storage:** DO NOT store in places subject to direct or strong sunlight. Store in clean, dry conditions.

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

**Fibre Content Label:** Refer to garment label for corresponding content details.  
**Warning:** Where there is a hood, peripheral vision and hearing may be impaired.

**Retroreflective tape and labels:** Retroreflective tape or labels should not be ironed! Please refer to the garment label for the number and wash cycles claimed. The stated maximum number of cleaning cycles is not the only factor related to the lifetime of the garment. The lifetime will also depend on usage, care storage, etc. Garments should be discarded when the protective qualities no longer apply eg. 1. Maximum number of washes is reached. 2. The material has been damaged either by fading or has been torn. 3. The reflective qualities of the tape have faded. 4. Garment is permanently soiled, cracked, burned or heavily abraded.

**Wash Care Labels: Refer to garment label for corresponding washing details.**

- Max temp 30°C, mild process
- Max temp 40°C, mild process
- Max temp 60°C, normal process
- Max temp 60°C, normal process
- Do Not Bleach
- Do not tumble dry
- Tumble dry low
- Tumble dry normal

- Line dry
- Drip line dry
- Do not iron
- Iron max 110°C
- Iron max 150°C
- Do not dry clean
- Professional dry clean
- MAX 50** Washes
- MAX 25** Washes
- MAX 12** Washes
- MAX 5** Washes



Industrial Laundered garments have assessed FR suitability to industrial washing in accordance with EN ISO 15797. Tunnel Dryer Wash Procedure 1-8

**REF: 118USP**

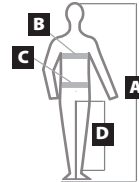


**CERTIFICATION**  
IEC 61482-2  
ASTM F1959

[www.portwest.com/declarations](http://www.portwest.com/declarations)



	A	D
	CM	CM
SHORT	152-164	74
REG	164-176	79
TALL	176-188	84
X TALL	188-202	92



B	INCHES	CM	EURO
XS	33"-34"	80-88	40-44
S	36"-38"	92-96	46-48
M	40"-41"	100-104	50-52
L	42"-44"	108-112	54-56
XL	46"-48"	116-124	58-62
XXL	50"-52"	128-132	64-66
3XL	54"-55"	136-140	68-70
4XL	56"-58"	144-148	72-74
5XL	60"-64"	152-160	76-80

C	INCHES	CM	DE	FR
XS	26-28	68-72	42-44	34-36
S	30-32	76-80	46-48	38-40
M	33-34	84-88	50	42-44
L	36-38	92-96	52-54	46-48
XL	40-41	100-104	56	50-52
XXL	42-44	108-112	58-60	54-56
3XL	46-47	116-120	62	58-60
4XL	48-50	124-128	64-68	62-64

**MANUFACTURER**

PROFHUES, PROIZVODITEL, PROIZVODAC, VYROBE, TOOTJA, VALMISTAJA, FABRICANT, HERSTELLER, ΚΑΤΑΚΕΥΑΣΤΗΣ, GYÁRTÓ, FABBRICANTE, RAŽOVIŠ, GIMNTOJAS, PROIZVODITEL, PRODUCENT, PRODUCENT, FABRICANTE, PRODUCATOR, PROIZVODITEL, PROIZVODAC, VYROBKA, PROIZVAJALEC, TILLYKARE, ÜRETIKI, VYROBNIK  
**PORTWEST, WESTPORT, CO. MAYO, IRELAND**

**TEST HOUSE**

AGJENSIA E TESTIMIT, ЛАБОРАТОРИЈА ЗА ИЗПИТУВАЊЕ, ISPITNA KUĆA, ZKUŠEBNÍ DŮM, TESTHUIS, TEST MAJA, TESTAJA, ORGANISME NOTIFIE, TESTIERHUIS, LÖHM DOKIMOM, TESTHUSE, LABORATORIO, TESTA VIETA, TESTAVIMO IŠTAIGA, TEST KUKA, TESTORGAN, LABORATORIUM BADAJECA, CASA DE TESTE, ИСПЫТАТЕЛЬНЫЙ ЦЕНТР, ISPITNA KUĆA, CERTIFIKAČNÝ ORGÁN, TESTNA HIŠA, LABORATORIO DE ENSAYOS, TESTHUIS, TEST KURULUŞU, ВИПРОБУВАЛЬНИЙ ЦЕНТР

- CPS UK LTD** Bureau Veritas, CPS UK Ltd., Tower Bridge Court, 224 - 226 Tower Bridge Road, London, SE1 2TX, England. Notified body number: 0319
- INTERTEK** The Warehouse, Brewery Lane, Leigh, WN7 2RU UK Notified body number: 0362
- SATRA** Wyndham Way, Telford Way, Kettering, Northamptonshire, NN16 8SD, UK Notified body number: 0321  
Bracetown Business Park, Clonee, Dublin 15, D15 YN2P Ireland Notified Body: 2777
- CENTEXBEL** Technologiepark 7, B-9052, Zwijnaarde, Belgium Notified body number: 0493
- TNO** TNO Certification BV, Laan Van, Westenenk 501, 7334 DT, Apeldoorn, Netherlands Notified body number: 0336  
West Yorkshire Materials Testing Service (or WYMTS), Nephshaw Lane South Morley, Leeds LS27 0QP, England Notified body number: 2019
- BTGG** BTGG Fire Technology Services, Unit 4B, Stag Industrial Estate, Atlantic Street, Broadheath, Aitincham, WA14 5DW, England Notified body number: 0339  
Oakhurst House, Ashbourne Road, Derby DE23 3 FS, England Notified body number: 0319
- SGS** SGS United Kingdom Ltd., Weston Super Mare, BS22 6WA, England Notified body number: 0120
- CENTRO TESSILE** Centro Tessile Contoniere e Abbigliamento S.p.A, 1-Plaffa 5 Anna, 2-11052 Busto Arsizio (VA) Notified body number: 0624