CERTIFICATION SERVICES

EC Type-Examination Certificate

521172/1

Date of Issue: **8 November 2012** **Expiry date:** **25 April 2017**

This is to certify that BTTG Testing & Certification Ltd, specified as a "notified body" under the terms of the Personal Protective Equipment Regulations 2002, did undertake the relevant type approval procedures for the equipment identified below which was found to be in compliance with the relevant provisions of EC Directive 89/686/EEC, or as amended, subject to any conditions in the schedule attached hereto.

Manufacturer: **Portwest Ltd**

Address: **Portwest House**
10A Business and Technology Park
Westport, Co. Mayo
Ireland

Product Code: **GORE-TEX® Multi-Hazard Garment FR235**
Jacket: GT60 **Salopette: GT62** **Coverall: GT65**

Technical File reference: **521172**

Harmonised Standard(s):

EN 340:2003		
EN 471:2003	**(Jacket:**	**Class 3 for area of material**
	Salopette:	**Class 1 for area of material**
	Coverall:	**Class 3 for area of material**
	Level 2 for retroreflective performance)	
EN 1149-3:2004		
EN 1149-5:2004		
EN ISO 11612:2008	**(Code letters A1 B1 C1)**	
EN 343:2003/A1:2007	**(Class 3 for water penetration resistance)**	
	(Class 3 for water vapour resistance)	

Technical Specification: **EN 61482-1-2:2007**
IEC 61482-2:2009 (Class 2 = 7kA)

This certificate relates specifically to the PPE items described and depicted in the manufacturer's Technical File, copies of which are held by the manufacturer and BTTG, and not to any other items.
The attached schedule of approval forms part of this certificate. This certificate remains valid unless cancelled or revoked, provided the conditions in the attached schedule are complied with and the equipment remains satisfactory in service.

Certificate Authorised by: ..... Q Brown
Certification Officer

Notified Body for PPE Testing & Certification I.D. No. 0338 & 0339

and: ..... C A Butcher
Certification Manager

Issued by BTTG Testing & Certification Ltd., Notified Body Identification No. 0338 and 0339.

0338/0339 EC10 v.7 02/05/12

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Schedule of Approval

Certificate No: 521172/1 Date of Issue: 8 November 2012 Expiry date: 25 April 2017

Issued by: BTTG Testing & Certification Ltd. Notified Body No. 0338 and 0339.

Portwest Ltd 521172

CONDITIONS OF CERTIFICATION

Description of product

GORE-TEX® Multi-Hazard Garment FR235		
Jacket: GT60	Salopette: GT62	Coverall: GT65

Available in the following fabrics / materials:

Jacket / Coverall: **Outer: GORE-TEX® FR235 two-layer laminate; 52% Modacrylic / 42% Cotton / 6% Polyester Woven Twill + ePTFE (275g.m^{-2})**
Lining: Greve Kermel Viscose FR (150g.m^{-2})

Salopette: **GORE-TEX® FR235 three-layer laminate; 52% Modacrylic / 42% Cotton / 6% Polyester; Woven Twill / e PTFE / 100% aramid (350g.m^{-2})**

Manufacturer's Technical Specification

The manufacturer's Technical Specification for clothing for the end use of protection from the thermal hazards of an electric arc was based on IEC 61482-2:2009 "Live working – Protective clothing against the thermal hazards of an electric arc – Part 2: Requirements". The materials and garment was assessed according to EN 61482-1-2:2007 "Live working – Protective clothing against the thermal hazards of an electric arc – Part 1-2: Test methods – Method 2: Determination of arc protection class of material by using a constrained and directed arc (box test)". The suitability of these standards was checked with respect to the Basic Health and Safety Requirements of EC Directive 89/686/EEC, and was found to address the requirements for this end use.

Limitations of Use

- Usage, maintenance and storage as per manufacturer's instructions.
- The garments were available in size ranges which did not conform to the requirements of EN 1149-5:2008, EN 343:2003, or EN 471:2003 which refer to EN 340, which in its latest version (2003) refers to EN 13402, nor did they conform to the requirements of EN ISO 11612:2008 and IEC 61482-2:2009, which refer to ISO 13688. In the opinion of BTTG Testing & Certification Ltd, these size ranges fulfil the requirements of Annex II, Clause 1.3.1 of Directive 89/686/EEC.
- The principal materials for the garment fully comply with the requirements of EN ISO 11612:2008 and IEC 61482-2. However one of the additional garment components will ignite (i.e. give an afterflame > 2 s) if a test flame is directly applied:-
  i) The small 'GORE-TEX' tag (present on Jacket) gave an afterflame of > 2 s.

  The end user must decide on the basis of a risk assessment whether the use of this non flame retardant item is acceptable.

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Schedule of Approval (continued)

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Portwest Ltd 521172

DOCUMENTATION SUBMITTED (Technical File – 521172):

Approval Documents

- Design report Nos. 521049/A/CS; 521049/C1/AN; 521101/A/AN; 521101/C/CS
- Fabric test report Nos. 0261.5.1/10; 07.0.51017/1; 07.0.51017/2; 20110758; 2083.3/08; 2083.4/08; 2083.7/08; Z 3848/08-4960/08; Z 3847/08-5002/08; 30957; Z 3847/08-5003/08; Z 4622/10-5814/10
- Garment test report Nos. 2012EP0305; 521049/C2/3/FTS; 521049/C2/4/FTS; 521049/C2/AN; Z 3847/08-5002/08
- Hardware test report Nos. 521049/C2/1/FTS; 521049/C2/2/FTS
- Materials test report Nos. 46536-02; 521049/C2/1/FTS; 521049/C2/5/FTS; TR2476/24313
- Ergonomic Assessment test report Nos. 521049/B/CS; 521101/B/CS
- Innocuousness test report No. 30880
- Innocuousness information - Oeko-Tex Test-Nos. 11-29626; 96.0.9650; CQ825/1

Product Documentation

- Product description
- Drawings
- Fabric description and test data
- Supplier's Innocuousness statement for fabric
- Component list
- Size chart
- Description of ISO 9000 quality system for manufacturer
- Article 11 information for manufacturing sites
- Labelling
- User Information

Terms and Conditions associated with the issue of EC Type-Examination Certificate No: 521172/1

1. This certificate is issued subject to BTTG's standard terms of business.
2. Production is limited to the site(s) listed in the manufacturer's Technical File, copies of which are held by the manufacturer and BTTG, and not to any other production site(s).
3. Any change to the product or quality manual / quality plan shall be immediately notified to BTTG.
4. This certificate is issued in the English language only. It is the responsibility of the Manufacturer / Authorised Representative to obtain and supply language versions acceptable to the country where the product is to be sold.
5. This certificate remains the property of BTTG and will be withdrawn if any of the conditions attached to its issue are not complied with.
6. This certificate does not authorise the use of the Mark of Conformity (the 'CE mark'), which may only be affixed to the above type approved equipment and a Manufacturer's Declaration of Conformity issued when Article 11(A or B) of the Directive is fully complied with and controlled by a written agreement with a notified body.

END OF CERTIFICATE

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