



EC Type-Examination Certificate

522552/1

Date of Issue: 08 February 2017

Expiry date: 25 April 2021

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: COFRA SRL

Address: VIA DELL 'EURO, 53-57-59
76121- BARLETTA (BT)
ITALY

Product Description: Inherent FR Clothing

Product Code: Underwear V397-0-02 FIREPROOF
V398-0-02 FIREBURN
Balaclava V399-0-02 BLOWLAMP

Technical File reference: KTCEGMT

Harmonised Standard(s): EN ISO 13688:2013
EN 1149-3:2004 & EN 1149-5:2008
EN ISO 11612:2015 (Code letters A1 B1 C1)
EN ISO 14116:2015 (3/5H/40)
IEC 61482-2:2009
EN 61482-1-2:2007 (Class 1 = 4 kA)
EN 61482-1-1:2009 (E_{BT50} = 5.9 Cal/cm²)

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:  K Bolton
Certification Officer

and:  C A Butcher
Senior Certification Officer

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



Issued by BTTG Testing & Certification Ltd., Notified Body Identification No. 0338 & 0339. 50/00227

0338/0339 EC10 v.11 10/10/2016

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Schedule of Approval

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CONDITIONS OF CERTIFICATION

Description of product

Inherent FR Clothing:

Underwear	V397-0-02 FIREPROOF	(Top; Long Johns)
	V398-0-02 FIREBURN	
Balaclava	V399-0-02 BLOWLAMP	(Protective headwear with eye opening)

Available in the following fabric(s): materials:

58% Modacrylic / 39% Cotton / 3% Elastane plus antistatic fibres (210 g.m⁻²) (Navy Blue) (Red)

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 garments were assessed according to IEC 61482-1-1:2009 "Live working – Protective clothing against the thermal hazards of an electric arc – Part 1-1: Test methods – Method 1: Determination of the arc rating (ATPV or E_{BT50}) of flame resistant materials for clothing" and IEC 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 were found to address the requirements for this end use.

The garments listed above are technically beyond the scope of IEC 61482-2:2009, however these items are made from material conforming to EN 61482-1-1:2009, EN 61482-1-2:2007 and IEC 61482-2:2009. In the opinion of BTTG Testing & Certification, these items meet the Basic Health and Safety Requirements of EC Directive 89/686/EEC and are suitable for the end use of protection from the thermal hazards of an electric arc, when worn in conjunction with garments offering full coverage and conforming to IEC 61482-2:2009.

Limitations of Use

- Usage, maintenance and storage as per manufacturer's instructions.
- The Balaclava was available in one size only which did not conform to the requirements of EN ISO 11612:2015, which refers to ISO 13688. It is constructed of a knitted fabric which should allow the item to conform to the wearer, and to be stretched back to its original size and shape. In the opinion of BTTG Testing & Certification Ltd, the size provision for this garment fulfils the requirements of Annex II, Clause 1.3.1 of Directive 89/686/EEC.

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Schedule of Approval (continued)

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DOCUMENTATION SUBMITTED (Technical File – KTCEGMT):

Approval Documents

- Ergonomic Assessment test report No. 52802/B/CS
- Fabric test report Nos. 39580 (Amended); 39580-01; 39580-02; 42731-01; 2015EP1614; 2014EP120
- Garment test report Nos. 52802/A/1/FTS; 52802/A/3/FTS; 60/00095/3A
- Innocuousness test report Nos. 166170; GZTXO070507213TX; GZHT00534849; GZSL1011078396TX

Product Documentation

- Product description
- Drawings and photographs
- Fabric descriptions and test data
- Innocuousness statement for fabrics
- Component list
- Size charts
- Quality system information for manufacturing sites
- Article 11 information for manufacturing sites
- Labelling
- User Information

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Schedule of Approval (continued)

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**Terms and Conditions associated with the issue of this
EC Type-Examination Certificate**

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. The client must implement appropriate changes as notified by BTTG.
4. The client must ensure the certified product is representative of the ongoing manufactured product.
5. The client must investigate complaints associated with the certified products. Records of such complaints, and actions taken, must be kept by the client and made available to BTTG when requested.
6. The client must only make claims consistent with the scope of certification,
7. The client must not make any misleading or unauthorised comments regarding the certified product or the certification body.
8. The client must upon suspension, withdrawal, or termination of certification discontinue the use of all advertising matter that contains any reference thereto and take action to return this certificate to BTTG.
9. The client must comply with the requirements for the use of the notified body number as detailed below.
10. Any change to the product or quality manual / quality plan shall be immediately notified to BTTG.
11. 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. This certificate remains the property of BTTG and will be withdrawn if any of the conditions attached to its issue are not complied with.
12. 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.

Use of Notified Body Number

1. The Notified Body Number must only be used
 - a. In direct association with products or systems covered by this Type-Examination Certificate.
 - b. by holder(s) of the Certificate.
2. Use of BTTG Notified Body Number does not extend to other companies which are:
 - a. part of the same corporate group as the Certificate holding company: or
 - b. named in a Certificate, for example as a supplier.
3. Particular care must always be taken to avoid the association of the BTTG Notified Body Number with other products or systems or schemes and with claims or information not contained in the BTTG document.
4. The EC mark consists of the letters 'CE', in the form given in Annex II of Regulation (EC) No 765/2008, followed by the number of the notified body involved in production control monitoring (Article 11).

If any of the above requirements are not met BTTG will seek to suspend, withdraw or terminate this certificate.

END OF CERTIFICATE