



CERTIFICATION
SERVICES



EC Type-Examination Certificate

521915/1

Date of Issue: 01 October 2015

Expiry date: 01 October 2020

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: System 5S Private Ltd
Address: 105 Nyniappa Naicken Street
Chennai
600 003
India

Product Description: PROTECSAFE Fire Fighter Suits

Product Code:

Jackets	Trousers
SYSFF NJ01	SYSFF NT01
SYSFF NJ02	SYSFF NT02
SYSFF NJ03	SYSFF NT03

Technical File reference: 521915


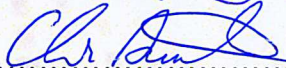
Harmonised Standard(s): EN ISO 13688:2013
EN 469:2005/A1:2006+AC:2006 Levels: Xf2 Xr2 Y2 Z2

Technical Specification: EN 469:2014 Levels: X2 Y2 Z2

Additional Testing: EN 1149-3:2004 & EN 1149-5:2008 for outer material

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. 0339



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

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Schedule of Approval

Certificate No: **521915/1**

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System 5S Private Ltd

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CONDITIONS OF CERTIFICATION

Description of product

PROTECSAFE Fire Fighter Suits consisting of:

Jackets	Trousers
SYSFF NJ01	SYSFF NT01
SYSFF NJ02	SYSFF NT02
SYSFF NJ03	SYSFF NT03

Available in the following materials:

Outer: Nomex IIIA (FTC) (205 g.m⁻²) OR Nomex IIIA (Arvind) (200 g.m⁻²)

Moisture Barrier: FR Fabric 81/85 (100 g.m⁻²) OR PTFE Membrane on Nomex / Kevlar (100 g.m⁻²)

Thermal Lining: Nomex / Kevlar non-woven felt (70 g.m⁻²) quilted to Modacrylic / Cotton (240 g.m⁻²)

Retroreflective: 3M Scotchlite Reflective Material – 9587 Fluorescent Lime-Yellow Fire Coat Trim

Manufacturers Technical Specification

As well as conforming to the Harmonised Standards EN ISO 13688:2013 and EN 469:2005/A1:2006+AC:2006, the manufacturer's Technical Specification for firefighter's protective clothing was based on EN 469:2014 "Protective clothing for firefighters. Performance requirements for protective clothing for firefighting" together with the Co-ordination of Notified Bodies 'Recommendation For Use' sheet CNB/P/05.29-024, approved by Vertical Group 5 on 15/09/2014.

Limitations of Use

- Usage, maintenance and storage as per manufacturer's instructions.
- The hardware on the garment was tested to Clause 6.1 of EN 469:2005 (Flame Spread), but with the method modified by the procedure detailed in the Co-ordination of Notified Bodies 'Recommendation For Use' sheet No. 21-013, approved by Vertical Group 5 on 09/05/2006. The recommended method is to apply the flame to the outer surface of the region of clothing containing the hardware, if that hardware is concealed from flame in use, rather than to apply the flame directly to the hardware, as specified in EN 469. Using the procedure detailed above, all of the hardware on the garment meets the requirements of 6.1.6 of EN 469:2005, i.e. the hardware functions after the test.

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Schedule of Approval (continued)

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Observations

- The PROTECSAFE Fire Fighter Suits meet the requirements of Annexes B.1 and B.2 of EN 469:2005 (Visibility) for area of retroreflective and fluorescent respectively, as required by Clause 6.14 of EN 469. The area of material was calculated as 0.138 m² of retroreflective and 0.224 m² of fluorescent.
- The Outer Material (Nomex IIIA) was tested to EN 1149-3:2004 "Protective clothing - Electrostatic properties - Part 3: Test methods for measurement of charge decay" and was found to have a Shielding Factor (S) of 0.81 and a Half Decay Time (t₅₀) of less than 0.01 seconds, which meets the material requirements of EN 1149-5:2008 "Protective clothing. Electrostatic properties. Material performance and design requirements".

DOCUMENTATION SUBMITTED (Technical File – 521915):

Approval Documents

- Design & Ergonomic assessment report No. 521915/B/CS
- Assembly test report Nos. 30/07782/1; 30/07782/2; 30/07782/3; 30/07782/4; 12 1 0551
- Garment test report Nos. 30/07782/1; 30/07782/2; 30/07782/3; 30/07782/4
- Hardware test report Nos. 30/06512/9; 521347/C/FTS
- Materials test report Nos. 30/07702/7; 30/07702/9; 30/07702/10; 30/07702/11; 30/07702/14
- Visibility test report Nos. 30/07702/12; 30/07702/13; 12 1 0551
- Innocuousness test report Nos. 12 1 0551; 30655; LEHTX00718209
- Innocuousness information - Oeko-Tex Test-Nos. HKX 19367; CQ 539/1

Product Documentation

- Product description
- Drawings
- Fabric description and test data
- Supplier's Innocuousness statement for fabric
- Component list
- Size chart
- ISO 9001 certificates for manufacturing sites
- Article 11B certificate for manufacturer
- Labelling
- User Information
- Statement of end use

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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