



Personal Protective Equipment Regulation (EU) 2016/425

# Certificate

## Module B EU Type-Examination

### Manufacturer

**System 5S Private Limited**

B4 Sidco Industrial Estate, Villivakkam, Chennai 600049, India

### Product Description:

PROTECSAFE Fire Fighting Suit

### Product Code:

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:

Not applicable.

Additional Testing: EN 1149-3:2004 of outer material

**Certificate Number: 523847/1**

Issued by: BTTG™ (Notified Body No. 0338 for Regulation (EU) 2016/425)

**First issue:** 17 September 2020    **Date of Issue:** 17 September 2020    **Expiry:** 17 September 2025

Authorised by

**J L Wilson**  
Certification Officer

Authorised by

**K Bolton**  
Senior Certification Officer

The attached schedule of approval forms part of this certificate.

Note: The validity of this certificate can be confirmed by contacting the Issuing Office:  
BTTG™, Unit 6 Wheel Forge Way, Trafford Park, Manchester, M17 1EH, United Kingdom  
Tel: +44 (0)161 876 4211 email: ppe@bttg.co.uk website: www.bttg.co.uk





## Schedule of Approval Certificate Number: 523847/1

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<b>Expiry date:</b>	<b>17 September 2025</b>	<b>BTTG™ ref:</b>	<b>E-015283</b>
<b>Manufacturer:</b>	<b>System 5S Private Limited</b>		
<b>Technical file ref:</b>	<b>521915</b>		

BTTG™, specified as a "notified body" under the terms of the Regulation (EU) 2016/425 of the European Parliament and of the Council on personal protective equipment, did undertake the relevant type approval procedures for the equipment identified below which was found to be in compliance with the relevant provisions of Annex V (Module B) of the Regulation and with the applicable essential health and safety requirements, subject to any conditions in the schedule attached hereto.

The 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 certificate remains valid unless cancelled or revoked, provided the conditions in the attached schedule are complied with and the equipment remains satisfactory in service.

### Description of product

PROTECSAFE Fire Fighting Suit consisting of:

<b>SYSFF NJ01</b>	<b>SYSFF NT01</b>
<b>SYSFF NJ02</b>	<b>SYSFF NT02</b>
<b>SYSFF NJ03</b>	<b>SYSFF NT03</b>

Available in the following materials:

<b>Outer:</b>	<b>Nomex IIIA (200 gsm)</b>
<b>Moisture Barrier:</b>	<b>PTFE Membrane on Nomex / Kevlar (100 gsm)</b>
<b>Lining:</b>	<b>Nomex / Kevlar non-woven felt (70 gsm) quilted to Modacrylic / Cotton (240 gsm)</b>
<b>Retroreflective:</b>	<b>3M Scotchlite Reflective Material – 9587 Fluorescent Yellow Fire Coat Trim</b>

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#### Manufacturers Technical Specification

Not Applicable.

#### 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.

#### Observations

- The outer material of the assembly (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 mean Shielding Factor (S) of 0.80 and a Half Decay Time ( $t_{50}$ ) 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". However, the full garments have not been assessed according to EN 1149-5.
- 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 m<sup>2</sup> of retroreflective and 0.224 m<sup>2</sup> of fluorescent.

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### Approval Documents

- Design & ergonomic report No. 521915/B/CS
- Assembly test report No. 30/08278/1
- Hardware test report No. 30/06512/9; 521347/C/FTS
- Materials test report No. 30/07702/7; 30/07702/9; 30/07702/10; 30/07702/11; 30/07702/14
- Visibility test report No. 30/07702/12; 30/07702/13; 12 1 0551; TR2103/23093
- Innocuousness test report No. 12 1 0551; 30655; LEHTX00718209
- Innocuousness information – OEKO-TEX® Test No. HKX 19367; CQ 539/1
- Additional Testing test report No. 30/07782/6

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### Terms and Conditions associated with the issue of this EU 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. The EC mark consists of the letters 'CE', in the form given in Annex II of Regulation (EC) No 765/2008 and for category III PPE, followed by the number of the notified body involved in production control monitoring (Module C2 or D).
13. 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 Module C2 or D of the Regulation 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.

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

END OF SCHEDULE