Shirley

Personal Protective Equipment Regulation (EU) 2016/425

Certificate

Module B EU Type-Examination

Manufacturer

Lakeland Fire + Safety (Eagle Technical Products Ltd)

Leltex House, Longley Lane, Manchester, M22 4SY

Product Description:

Synergy 469 Fire Suit with optional added harness SEC-BF90PQBF80P

Product Code:

Synergy 469;
Jackets: ETF2044NRG, ETF2044TWNG, ETF2044P5, ETF2044S3; ETF2044PH; ETF2044TI; ETF2044PL
Trousers: ETF2045NRG, ETF2045TWNG, ETF2045P5, ETF2045S3; ETF2045PH; ETF2045TI; ETF2045PL; ETF2044TS; ETF2045TS

Technical File Reference:

Synergy 469

Harmonised Standard(s):

EN ISO 13688:2013/A1:2021; EN 469:2020 (X2 Y2 Z2); EN 1149-5:2018 (excluded when harness is exposed)

Technical Specification:

Not applicable

Certificate Number: SH01343

Issued by: Shirley® (Notified Body No. 2895 for Regulation (EU) 2016/425)

First issue:	19 April 2023	Date of Issue:	16 October 2026	Expiry:	19 April 2028

Authorised by

C A Butcher
Certification Manager

The attached schedule of approval forms part of this certificate.
Note: The validity of this certificate can be confirmed by contacting the Issuing Office:
Shirley Technologies (Europe) Limited, Sky Business Centre, Port Tunnel Business Park, Office 13
Unit 21, Clonshaugh Business & Technology Park, Dublin 17, ROI
Tel: +353 (0) 01894 1448 email: info@shirley.ie website: www.shirley.ie

ISO 17065 IVNAB ACCREDITED PRODUCT CERTIFICATION DETAILED IN SCOPE REG NO 6553

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Schedule of Approval
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Issue date:	**16 October 2026**	**Issued by:**	**Shirley® (Notified Body No. 2895)**
Expiry date:	**19 April 2028**	**Shirley® ref:**	**SH-051386**

Manufacturer: **Lakeland Fire + Safety (Eagle Technical Products Ltd)**

Technical file ref: **Synergy 469**

Shirley®, 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 Shirley®, 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

Synergy 469 Fire Suit with optional added harness SEC-BF90PQBF80P consisting of:

Synergy 469; Fire Suit consisting of Tunic and Trousers

Available in the following materials:

Outer Fabric:	**Twin Square; 68% Meta-aramid / 30.5% Para-aramid / 1.5% Antistat; 245 gsm; Gold, Red, Black, Navy**
Lining / Moisture Barrier:	**MR1149; Florian Aramid PTFE FR 3D Membrane; 75% Aramid / 25% PTFE; 190 gsm**
Visibility Tape:	**MT1058; Vizlite 305 HSR Y/S/Y (50mm)** **DT-PRO-FIRE Segmented triple-trim yellow/silver/yellow tape on luminescent backing** **MT1053-Vizlite 306-Aramid Y/S/Y FR Triple 50mm**

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Manufacturer: **Lakeland Fire + Safety (Eagle Technical Products Ltd)**

Technical file ref: **Synergy 469**

JACKET - ETF2044NRG; TROUSERS - ETF2045NRG

Available in the following materials:

Outer:	**MR1138; PBI NRG LP Repel+; 40% PBI LP / 50% Para-Aramid / 8% Polyamide / 2% Antistatic (190 g/m^2) (Gold)**
Moisture Barrier:	**M9032; FR FABRIC 95/7; Nonwoven 3D Membrane; 45% Meta-aramid / 30% PTFE / 25% Para-aramid (140 g/m^2)**
Lining:	**M9028; TRIDEX Light (1126); (155 g/m^2)**
Visibility Tape:	**MT1058; Vizlite 305 HSR Y/S/Y (50mm)** **DT-PRO-FIRE Segmented triple-trim yellow/silver/yellow tape on luminescent backing** **MT1053-Vizlite 306-Aramid Y/S/Y FR Triple 50mm**

ETF2044TWNG; ETF2045TWNG Fire Suit consisting of Tunic and Trousers

Available in the following materials:

Outer:	**Adamus; ES19/4/10C4B GA001: 71% Meta-aramid / 22% PET / 4% Para-aramid / 3% Antistatic Polyamide (230 g/m^2)**
Moisture Barrier:	**M9032; FR FABRIC 95/7; Nonwoven 3D Membrane; 45% Meta-aramid / 30% PTFE / 25% Para-aramid (140 g/m^2)**
Lining:	**M9028; TRIDEX Light (1126/1133/1833) (155 g/m^2)**
Visibility Tape:	**MT1058; Vizlite 305 HSR Y/S/Y (50mm)** **DT-PRO-FIRE Segmented triple-trim yellow/silver/yellow tape on luminescent backing** **MT1053-Vizlite 306-Aramid Y/S/Y FR Triple 50mm**

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Manufacturer: **Lakeland Fire + Safety (Eagle Technical Products Ltd)**

Technical file ref: **Synergy 469**

ETF2044P5; ETF2045P5 Fire Suit consisting of Tunic and Trousers

Available in the following materials:

Outer:	**Peak 5; 60% Aramid / 40% PBI (190 g/m^2)**
Moisture Barrier:	**M9032; FR FABRIC 95/7; Nonwoven 3D Membrane; 45% Meta-aramid / 30% PTFE / 25% Para-aramid (140 g/m^2)**
Lining:	**M9028; TRIDEX Light (1126/1133/1833) (155 g/m^2)**
Visibility Tape:	**MT1058; Vizlite 305 HSR Y/S/Y (50mm)** **DT-PRO-FIRE Segmented triple-trim yellow/silver/yellow tape on luminescent backing** **MT1053-Vizlite 306-Aramid Y/S/Y FR Triple 50mm**

ETF2044S3; ETF2045S3 Fire Suit consisting of Tunic and Trousers

Available in the following materials:

Outer:	**Twin Square; 68% Meta-aramid / 30.5% Para-aramid / 1.5% Antistat (245 g/m^2)** **(Gold, Red, Black, Navy)**
Moisture Barrier:	**MR1149; Florian Aramid PTFE FR 3D Membrane; 75% Aramid / 25% PTFE (190 g/m^2)**
Lining:	**M9028; TRIDEX Light (1126/1133/1833) (155 g/m^2)**
Visibility Tape:	**MT1058; Vizlite 305 HSR Y/S/Y (50mm)** **DT-PRO-FIRE Segmented triple-trim yellow/silver/yellow tape on luminescent backing** **MT1053-Vizlite 306-Aramid Y/S/Y FR Triple 50mm**

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Manufacturer: **Lakeland Fire + Safety (Eagle Technical Products Ltd)**

Technical file ref: **Synergy 469**

ETF2044PH; ETF2045PH Fire Suit consisting of Tunic and Trousers

Available in the following materials:

Outer:	**MR1166; Rambo; 73% Nomex / 25% Kevlar / 2% AS (220g/m²)**
Moisture Barrier:	**M9037; T70PTFE; 80% Nomex / 20% Kevlar + PTFE (105g/m²)**
Lining:	**M9038; TV120; 50% Nomex / 50% viscose + T120 (80% Nomex / 20% Kevlar) (240 g/m²)**
Visibility Tape:	**MT1058; Vizlite 305 HSR Y/S/Y (50mm)** **MT1053-Vizlite 306-Aramid Y/S/Y FR Triple 50mm**

ETF2044TI & ETF2045TI Fire Suit consisting of Tunic and Trousers

Available in the following materials:

Outer:	**Peak 5; 60% Aramid / 40% PBI (190 g/m²)**
Moisture Barrier:	**M9032; FR FABRIC 95/7; Nonwoven 3D Membrane;** **45% Meta-aramid / 30% PTFE / 25% Para-aramid (140 g/m²)**
Lining:	**Titanium SL1 Blue 60"; Face - Meta Aramid / FR Rayon / ParaAramid / Nylon** **Non Woven batting Spun Bond; 66% Nomex / 34% Kevlar (190 g/m²)**
Visibility Tape:	**MT1058; Vizlite 305 HSR Y/S/Y (50mm)** **MT1053-Vizlite 306-Aramid Y/S/Y FR Triple 50mm**

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Manufacturer: **Lakeland Fire + Safety (Eagle Technical Products Ltd)**

Technical file ref: **Synergy 469**

ETF2044PL & ETF2045PL Fire Suit consisting of Tunic and Trousers

Available in the following materials:

Outer:	**MR1176 - AV9400 (200 g/m²); Nomex 56% / Para Aramid Kevlar 43% / Anti Static 1%**
Moisture Barrier:	**M9032; FR FABRIC 95/7; Nonwoven 3D Membrane; 45% Meta-aramid / 30% PTFE / 25% Para-aramid (140 g/m²)**
Lining:	**M9028- Tridex Light Liner 3D; 74% META ARAMID / 22% VISCOSE / 3% PARA ARAMID / 1% ANTISTATIC POLYAMIDE (155 g/m²)**
Visibility Tape:	**MT1058; Vizlite 305 HSR Y/S/Y (50mm); MT1053-Vizlite 306-Aramid Y/S/Y FR Triple 50mm**

ETF2044TS & ETF2045TS Fire Suit consisting of Tunic and Trousers

Available in the following materials:

Outer:	**Peak 5; 60% Aramid / 40% PBI (190 g/m²)**
Moisture Barrier:	**M9032; FR FABRIC 95/7; Nonwoven 3D Membrane; 45% Meta-aramid / 30% PTFE / 25% Para-aramid (140 g/m²)**
Lining:	**M9038; TV120; 50% Nomex / 50% viscose + T120 (80% Nomex / 20% Kevlar) (240 g/m²)**
Visibility Tape:	**MT1058; Vizlite 305 HSR Y/S/Y (50mm); MT1053-Vizlite 306-Aramid Y/S/Y FR Triple 50mm**

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Manufacturer: **Lakeland Fire + Safety (Eagle Technical Products Ltd)**

Technical file ref: **Synergy 469**

Manufacturers Technical Specification

Not Applicable.

Limitations of Use

- Usage, maintenance and storage as per manufacturer's instructions.
- The integrated Harness and connecting items have not been assessed as Personal Protective Equipment for protection from falling from a height.

Observations

- The fire tunics and trousers meet the minimum requirements for area of retroreflective and fluorescent material, as required by Clause 6.2.6 of EN 469:2020.

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Approval Documents

- Design report Nos. E-029407/B2; E-031590/A
- Ergonomic Assessment test report No. E-029407/A2
- Component Assembly test report No. E-029354; E-015694/1; E-015693; E-028031; 18-00695-2; E-029357; 18-01423; 2107433-1-1; LEI23010626A; E-029905; E-029981; 2017 1145; 2019 3093; 24/03357A/04/23; 2020CO2009; 2019 1868; E-026889; 2201992-1-1; 2005770-1; 2005770-2-1; 2108270-1-1; E-032077; E-024016; E-028495; E-030455; E-004484/A; E-030126; E-029853; 2110568-1-1; 1808540-1; 18.1.12.1104; LEI22112037A Original; 22019912-1-1; 2023US0128; E-031845; E-035465; E-018925/A; E-019860/A; 240147; 2108663-1-1; E-033862/B; 2109665-4-1; 2204937-1-1; LEI21050858A Original; 2109665-3-1; 2022CO1559; 2020CO0412; 2022CO0101; 2024CN0786; E-037320; E-036134; E-036736; E-036737; SL52425344498201TX; E-048664; CR/2094_2025; E-049470; E-039660/B; E-023737; 25.05306.01; 2508013; 2025CO4043; LEI25062636A Supplemented; 2025CO2614; LEI25121731A Original; E-038130; LEI26021851A Original
- Materials test report No. 2109166-3-2; 2109166-10-1; 21021EP1667; 2018CO1925; E-029597; 22.01777.01; 22.01777.02; 2021 0134; 2019 1137; 2018 2332; E-018080/E; E-018080/B; 21.00278.09; 17.00871.02; SPC0306512/2051/2 Issue 3; SPC0268663/1811/2/2; 2109166-4-1; E-025693; 22.04819.03; LEI21042632A; BE 2000224; 49268/JLB; CR/636_2021; E-006043/A; 21.1.12.0858; 2023EP1093; 20250828; 2022CO0301;
- Hardware test report No. E-016719; E-016488; E-016602; E-013272; E-016718; E-016579; E-016504; E-019913; E-019915; E-019918; LEI22041906A; E-019920; E-019917
- Visibility test report No. SPC0331020/2219/2/Issue 2; SPC0324798/2202, Issue 3; CO 0794180090-00-00; CO 0794180089-00-00; SPC0337891/2238/4
- Innocuousness test report No. 22070 (i)
- Innocuousness information – OEKO-TEX® Test No. CQ 539/3; CQ 920/1; 0907042; Z1.0.7033; 1908094; 16442; BEWO 084394; 1012046; CQ 539/1; 1904050; 11-43821

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

1. This certificate is issued subject to Shirley®'s standard terms of business, available from our website.
2. Production is limited to the site(s) listed in the manufacturer's Technical File, copies of which are held by the manufacturer and Shirley®, and not to any other production site(s).
3. The client must implement appropriate changes as notified by Shirley®.
4. The client must ensure the certified product is representative of the ongoing manufactured product.
5. The client must make provision for access to relevant documents and records.
6. 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 Shirley® when requested.
7. The client must only make claims consistent with the scope of certification,
8. The client must not make any misleading or unauthorised comments regarding the certified product or the certification body.
9. 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 Shirley®.
10. The client must comply with the requirements for the use of the notified body number as detailed below.
11. Any change to the product or quality manual / quality plan shall be immediately notified to Shirley®.
12. 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 Shirley® and will be withdrawn if any of the conditions attached to its issue are not complied with.
13. 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).
14. 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 Shirley® 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 Shirley® Notified Body Number with other products or systems or schemes and with claims or information not contained in the Shirley® document.

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

END OF SCHEDULE

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