



# Shirley

Personal Protective Equipment Regulation (EU) 2016/425

## Certificate

### Module B EU Type-Examination

**Manufacturer**

**Beeswift Ltd**

The Hub, Nobel Way, Witton, Birmingham, B6 7EU

**Product Description:**

Arc Long Sleeve T-shirt, Long Johns and Balaclava

**Product Code:**

CARC22; CARC24; CARC28

**Technical File Reference:**

523954

**Harmonised Standard(s):**

EN ISO 13688:2013; EN 1149-5:2018; EN 61482-2:2020 ( $E_{BT50} = 6.8 \text{ cal/cm}^2$ ;  $ELIM = 5.6 \text{ cal/cm}^2$ ;  $APC = 1$ )

**Technical Specification:**

EN ISO 11612:2015 (A1 A2 B1 C1)

**Certificate Number: SH00081**

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

**First issue:** 29 July 2021      **Date of Issue:** 29 July 2021      **Expiry:** 02 July 2026

**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



**Schedule of Approval**  
**Certificate Number: SH00081**

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<b>Issue date:</b>	<b>29 July 2021</b>	<b>Issued by:</b>	<b>Shirley® (Notified Body No. 2895)</b>
<b>Expiry date:</b>	<b>02 July 2026</b>	<b>Shirley® ref:</b>	<b>SH-020216</b>

**Manufacturer:** Beeswift Ltd  
**Technical file ref:** 523954

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**

Arc Long Sleeve T-shirt, Long Johns and Balaclava consisting of:

Arc Long Sleeve T-shirt	<b>CARC22</b>
Arc Long Johns	<b>CARC24</b>
Balaclava	<b>CARC28</b>

Available in the following materials:

**Main Fabric:** 210 gsm Ribbed Fabric; 59% Modacrylic / 38% Cotton / 3% Elastane with Anti-static (Navy or Black)

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<b>Manufacturer:</b>	<b>Beeswift Ltd</b>		
<b>Technical file ref:</b>	<b>523954</b>		

**Manufacturers Technical Specification**

The manufacturer's Technical Specification for protective clothing was based on EN ISO 11612:2015 "*Protective clothing – Clothing to protect against heat and flame – Minimum performance requirements*". The suitability of this Technical Specification was checked with respect to the Essential Health and Safety Requirements of EU Regulation 2016/425, and was found to address the requirements for this end use.

The balaclava listed above is technically beyond the scope of EN 61482-2:2020, however this item is made from material conforming to EN 61482-1-1:2019, EN 61482-1-2:2014 and EN 61482-2:2020. In the opinion of Shirley, this item meets the Basic Health and Safety Requirements of EU Regulation 2016/425, and is 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 EN 61482-2:2020.

**Limitations of Use**

- Usage, maintenance and storage as per manufacturer's instructions.

**Observations**

- Not applicable.

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**Approval Documents**

- Design report No. E-020215/A
- Ergonomic Assessment test report No. 52802/B/CS
- Fabric test report Nos. E-018461/B; E-018461/C; E-018461/D; K-352231-1912P31-A-R00; 2015EP1614
- Material test report Nos. E-019376; GZHT91039102
- Garment test report No. E-019649/A; SL52115270815901TX; E-019649/B; E-016228; E-019653
- Innocuousness test report Nos. E-018461/A; GZHT91029248

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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