# EU Type Examination Certificate

This is to certify that:

Avon Polymer Products Ltd
Hampton Park West
Melksham
SN12 6NB
United Kingdom

Holds Certificate Number: CE 774556

In respect of:

**EXOSKIN-G1™ CBRN Gloves for radioactive contamination to Technical Specification to satisfy Annex II of the Regulation 2016/425**

on the basis that BSI carried out the relevant Type Examination procedures under the requirements with the Regulation (EU) 2016/425 of the European Parliament and Council relating to Personal Protective Equipment Regulation (PPE) Annex V (Module B) and meets the relevant health and safety requirements specified in Annex II

For and on behalf of BSI, a Notified Body for the above Regulation (Notified Body Number 2797):

Denelise L'Ecluse, Managing Director Assurance - Continental Europe

First Issued: 2023-03-16
Latest Issue: 2023-09-14

Effective Date: 2023-09-14
Expiry Date: 2028-03-15

# EU Type Examination Certificate

No. CE 774556

**Product Specification**

| | |
|---|---|
| **Model:** | **EXOSKIN-G1™ Avon CBRN Gloves** |
| **Classification:** | CBRN Gloves for Radioactive Contamination |
| **Description:** | Ambidextrous butyl glove, covering hand and lower arm chemical, biological threats and radioactive contamination. Available in black colour. A variant with Polyester liner available – product code denoted with CM. |
| **Size range:** | 6.5 (Small), 7.5 (Medium), 9 (Large) and 10.5 (Extra Large). |
| **Product Codes:** | 606913, 606912, 606911, 606910,<br>606913-CM, 606912 - CM, 606911 – CM, 606910 - CM |
| **PPE Category:** | Category III - Complex. |
| **Technical Specification:** | Type Examination for PPE product listed in this certificate is conducted to meet EHSR Annex II requirements of the Regulation (EU) 2016/425, based on the following European Standards:<br><br>EN ISO 21420:2020 – Protective gloves. General requirements.<br><br>EN ISO 374-1:2016+A1:2018 – Protective gloves against dangerous chemicals and micro-organisms. Terminology and performance requirements for chemical risks.<br><br>EN ISO 374-2:2019 – Protective gloves against dangerous chemicals and micro-organisms. Determination of resistance to penetration.<br><br>EN ISO 374-4:2019 – Protective gloves against dangerous chemicals and micro-organisms. Determination of resistance to degradation by chemicals.<br><br>EN ISO 374-5:2016 – Protective gloves against dangerous chemicals and micro-organisms. Terminology and performance requirements for micro-organism risks.<br><br>EN 388:2016+A1:2018 – Protective gloves against mechanical risks.<br><br>EN 421:2010 – Protective gloves against ionizing radiation and radioactive contamination. |

First Issued: 2023-03-16
Latest Issue: 2023-09-14

Effective Date: 2023-09-14
Expiry Date: 2028-03-15

# EU Type Examination Certificate

No. CE 774556

**Performance**

**EN ISO 21420:2020 - General requirements:**

| Characteristic | Performance | Characteristic | Performance |
|---|---|---|---|
| Length and Fit | Pass | PAH | Pass |
| Dexterity | Level 5 | Phthalates content | Pass |
| pH value | Pass | Azo dyes | Pass |

**EN ISO 374-2:2019 – Protection against penetration by micro-organisms. Determination of resistance to penetration.**

| Characteristic | Performance |
|---|---|
| Water Leak | Pass |

**EN ISO 374-4:2019 – Resistance to degradation**

Tested for all chemicals listed below.

**EN ISO 374-5:2016 – Protection against micro-organism risks**

| | |
|---|---|
| Bacteria and fungi (Test method EN ISO 374-2:2019) | Pass |
| Viruses (Test Method ISO 16604:2004) | Pass |

**EN 388:2016+A1:2018- Mechanical risks**

| Characteristic | Performance |
|---|---|
| Abrasion | Level 1 |
| Blade Cut | Level 0 |
| Tear | Level 0 |
| Puncture | Level 0 |
| TDM Cut | X (not performed) |

First Issued: 2023-03-16
Latest Issue: 2023-09-14

Effective Date: 2023-09-14
Expiry Date: 2028-03-15

# EU Type Examination Certificate

No. CE 774556

**Performance (continued)**

**EN ISO 374-1:2016+A1:2018 – Resistance to chemical permeation**
**Type B Chemical protection** (Test method EN 16523-1:2015+A1:2018)

| Code Letter | Chemical | Permeation Level |
|---|---|---|
| A | Methanol | 6 |
| B | Acetone | 6 |
| I | Ethyl acetate | 4 |
| K | 40% Sodium Hydroxide | 6 |
| L | 96% Sulphuric Acid | 6 |
| P | 30% Hydrogen Peroxide | 6 |
| T | 37% Formaldehyde | 6 |

**Additional Assessment:**

Permeation resistance protection to Chemical Warfare Agents (CWA) in liquid droplet form of HD, GD, TGD and VX at a cumulative permeation of <2.0 µg/cm$^2$ after 24 hours.

| Agent | Test Method | Penetrated Amount (µg/cm²) 0-24 hr |
|---|---|---|
| Mustard Agent | Laid droplet, dual flow HD, 10 g/m² (80% RH, 32°C, 24 hours, 1µl drops) | <0.30 |
| Soman | Laid droplet, dual flow GD, 10 g/m² (80% RH, 32°C, 24 hours, 1µl drops) | <0.24 |
| Thickened Soman | Laid droplet, dual flow TGD, 10 g/m² (80% RH, 32°C, 24 hours, 5µl drops) | <0.24 |
| VX | Laid droplet, diffusive flow VX, 10 g/m² (5% RH, 32°C, 24 hours, 1µl drops) | <0.02 |

First Issued: 2023-03-16
Latest Issue: 2023-09-14

Effective Date: 2023-09-14
Expiry Date: 2028-03-15

# EU Type Examination Certificate

No. CE 774556

**Certificate Administration Details**

**Technical File Reference:** 'Technical File: 70502/233".

**Certificate Administration Record and BSI internal Technical File Review reference**

| Issue date | Comments | BSI Project Ref. |
|---|---|---|
| February 2023 | Initial issue to PPE Regulation 2016/425. | 2797:23:3715689 |
| Sept 2023 | Extension to scope to add small size and change of dexterity claim to Level 5. | 2797:23:3952441 |

**Certificate validity:**

The Certificate holder is responsible for ensuring that the Notified Body is advised of changes to any aspect of the overall process utilised in the manufacture of the product, failure to do so could invalidate the Certificate in respect of product manufactured following the introduction of such changes.

**Monitoring of manufactured PPE**

The validity of the Certificate for the products is also dependent on the maintenance of the EU Conformity to Type Based on Quality Assurance of the Production Process, Annex VIII (Module D), as referenced on BSI issued Certificate CE 774559.

First Issued: 2023-03-16
Latest Issue: 2023-09-14

Effective Date: 2023-09-14
Expiry Date: 2028-03-15