KESTREL
HIGH COMFORT & HIGH PROTECTION CBRN OVERSUIT

The Kestrel is a comfortable and highly protective two piece CBRN oversuit harnessing much of the technology used in the Phoenix Ultra Lightweight Protection suit. At around 30% lighter than conventional systems, it provides qualified CBRN vapour protection with the added benefit of water/oil repellence and fire retardant coatings, thus making the Kestrel an extremely versatile CBRN protection system for use in multiple CBRN threat environments.

Lightweight and breathable, the integrated cowl on the Kestrel has been configured to adapt to all major brands of CBRN respiratory protection including a Powered Air Purifying Respirator (PAPR).

HIGHLIGHTS
- Conforms to NATO standards
- Greater comfort and low physiological burden
- Maximum protection
- High air permeability
- Up to 20 times launderable
- Up to 20 year shelf life
- Compatible with a range of accessories
- Fire retardant and water/oil repellent
- Standalone garment or overgarment
- Rugged and durable
- Available in various colours and camo patterns

The Kestrel provides demonstrable improvement in comfort at high and low temperature and humidity.

Impact on body temperature at high humidity is also lower when measured against conventional overgarments.
<table>
<thead>
<tr>
<th>PROPERTY</th>
<th>RESULT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Material Composition</td>
<td>Outer Shell: Rip-stop polyester/cotton</td>
</tr>
<tr>
<td></td>
<td>Liner: 100% activated carbon fibre laminated to a 100% polyester protective scrim</td>
</tr>
<tr>
<td>Mass in g/m²</td>
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<tr>
<td>- outer shell material</td>
<td>175 g/m² ± 10%</td>
</tr>
<tr>
<td>- liner carbon material (with 70g/m² carbon load)</td>
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</tr>
<tr>
<td>Flame retardancy</td>
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</tr>
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<td>Materials chemical permeation:</td>
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<td>- other CBRN challenges</td>
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### About OPEC CBRNe

Remploy → Haven → OPEC CBRNe

OPEC CBRNe is a designer and manufacturer of high comfort, high protection Level C CBRN suits.

Through the sale of the former Remploy organisation in 2014, OPEC CBRNe gained the rights to Remploy’s Intellectual property.

Since then we have innovated and improved those systems to provide the lightest, most comfortable CBRN PPE, without compromising on protection.

Our leading product, the Kestrel, was selected by Australian DoD as their system of choice in 2019. With expertise in supplying large volumes as well as smaller MOQ’s, we have manufacturing capability across the world in locations including UK, Asia and USA.

### Quality, Safety & Environment

OPEC CBRNe has been established under parent company OPEC Systems. OPEC’s people are the single most important factor in driving the company forward and, as such, we ensure the highest level of health, safety and welfare for our staff.

For more information please contact Chris Jackson, General Manager OPEC CBRNe, on (+44) 0192 555 2929
FALCON
HIGH COMFORT & HIGH PROTECTION
CBRN OVERSUIT

The Falcon is a comfortable and highly protective one piece CBRN oversuit harnessing much of the technology used in the Phoenix Lightweight Protection suit. At around 30% lighter than conventional systems, it provides qualified CBRN vapour protection with the added benefit of water/oil repellence and fire retardant coatings, thus making the Falcon an extremely versatile CBRN protection system for use in multiple CBRN threat environments.

Constructed using a lightweight activated carbon liner, combined with a rugged and anti-rip outer, the Falcon has been designed to offer the wearer maximum comfort whilst still offering a high level of CBRN protection within both a military and civil environment.

Lightweight and breathable, the Falcon can be configured with a range of respirators, including Powered Air Purifying Respirator systems (PAPRs).

HIGHLIGHTS

- Conforms to NATO standards
- Greater comfort and low physiological burden
- Maximum protection
- High air permeability
- Up to 20 times launderable
- Up to 20 year shelf life
- Compatible with a range of accessories
- Fire retardant and water/oil repellent
- Standalone garment or overgarment
- Rugged and durable
- Available in various colours and camo patterns

The Falcon provides demonstrable improvement in comfort at high and low temperature and humidity. Impact on body temperature at high humidity is also lower when measured against conventional overgarments.
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The Falcon suit has been designed as an integrated system for use with protective gloves and over-boots and a negative pressure respiratory system. The suit can also function using a Powered Air Purifying Respirator (PAPR).

The Falcon CBRN Protection Suit is designed for use by appropriately trained and CBRN aware personnel. It forms part of a specialised layer of protection against airborne challenge agents and is not intended for use by personnel who are not familiar with the requirements of a CBRN protection protocol.

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PHOENIX
ULTRA LIGHTWEIGHT, LOW BURDEN
CBRN PROTECTION SUIT

The Phoenix has been specifically developed to be conformant to the most recent changes within the NATO performance criteria for CBRN emergency PPE i.e. high threat, low hazard for short term operational deployment.

The Phoenix CBRN Protection Suit combines the most versatile operational CBRN protection technology along with functionality for the military and civil security services around the world.

The Phoenix provides CBRN protection in a high threat/low hazard environment where a wide range of challenges are present. Lightweight and highly breathable, the Phoenix is an effective emergency CBRN protective solution that allows both commanders and users to maximise their full operational capabilities and functions, even in the most challenging environments.

HIGHLIGHTS
- Up to 20 year shelf life
- Up to 20 times laundering
- 35% lighter than current systems
- Greater breathability and lower thermal burden
-Compatible with a range of respirators
- Inherently fire retardant
- Provides both emergency CBRN and general purpose functionality
- Also available as an integral hood option

The Phoenix provides demonstrable improvement in comfort at high and low temperature and humidity. Impact on body temperature at high humidity is also lower when measured against conventional (CB classic) CBRN suits.
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## Technology Licences & Partnerships

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<thead>
<tr>
<th>Technology Licence</th>
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<tbody>
<tr>
<td>2014</td>
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<tr>
<td>Remploy Sale</td>
<td>HavenPTS</td>
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<td>Royalty Returns</td>
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OSPREY
HIGH COMFORT
UNDERGARMENT

The Osprey is a high comfort, high protection carbon undergarment. It has been designed and tested to be worn as an undergarment in conjunction with a standard clothing outer layer. It should be employed for emergency evacuation from a hazard zone and affords requisite protection for immediate movement away from the hazard area. Frequently worn covertly, its close fit and good air permeability allows for long periods of comfortable wear.

HIGHLIGHTS
- 24 hour protection
- High protection, maximum comfort
- Exceeds NATO standards
- High air permeability
- Low physiological burden
- Up to Launderable 20 times
- Up to 20 year shelf life
- Available in integral and separate hood variations

HARRIER
CBRN PROTECTIVE GLOVE

Utilising a highly protective yet comfortable NOMEX and leather combination, the Harrier affords 24-hour protection against vaporous Chemical Warfare Agents and gives qualified liquid protection.

HIGHLIGHTS
- High dexterity for user
- Fingertip ‘Touchscreen’ capability
- Materials CWA chemical permeation data available on request
- Fire retardant
- High comfort
- Available in sand and black
CBRN SOCK

The OPEC CBRNe protective sock affords high protection to the foot and lower leg. It integrates with any of the Overgarments and Undergarments within our range. The sock is made from a 100% activated carbon fibre laminated to a 100% polyester protective scrim. This provides comfort and protection whilst wearing combat boots/first responder boots.

HIGHLIGHTS

- 24 hour protection
- Lightweight and air permeable
- Integrates with all our garment systems
- 20 year shelf life
- Launderable 20 times

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www.opecbrne.com | Sales: (+44) 0192 555 2929 | info@opecbrne.com