



ICP640WO

**Interceptor® Plus is Lakeland's gas-tight, Type 1a chemical protective coverall. It should be used with an internally worn SCBA for full protection against a wide range of hazardous chemicals in liquid, gaseous and vapour form.**



## FEATURES

- Multi-layer film technology creates a light and flexible high barrier against a wide range of high hazard chemicals.
- Weight 365gsm.
- Superior design featuring double-taped seams (inside & out).
- Wide-vision visor; two-layer visor with unique sealing technology for high chemical barrier.
- Double layer chemical glove system.
- Tested against a full range of chemical warfare agents for antiterror and civil defence operations.
- Very soft and flexible material for enhanced comfort.
- Front and rear entry design options.
- Inner chemical glove with outer 27mil butyl glove.
- Two rear mounted exhaust valves.
- Attached sock boot with boot overflaps.

## EN 6529 Chemical Permeation Test Results

Chemical	CAS No.	CE Class
Acetone	67-64-1	6
Acetonitrile	70-05-8	6
Carbon Disulphide	75-15-0	6
Dichloromethane	75-09-2	6
Diethylamine	209-89-7	6
Ethyl Acetate	141-78-6	6
n-Hexane	110-54-3	6
Methanol	67-56-1	6
Sodium Hydroxide (40%)	1310-73-2	6
Sulphuric Acid (96%)	7664-93-9	6
Tetrahydrofuran	109-99-9	6
Toluene	95-47-6	6
<b>Chemical- gas</b>		
Ammonia 99%	7664-41-7	6
Chlorine 99.5%	7782-50-5	6
Hydrogen Chloride (99%)	7647-01-0	6

EN 6529 measures the time until the rate of permeation of the chemical through the fabric reaches 1.0µg /min/cm², defined as the "Normalised Breakthrough". This is NOT an indication of safe-use time or that a wearer is safe wearing the suit in any specific application. "Safe-use" times can be calculated or see PermaSURE®.

See the web site for more chemicals tested.

## Physical Properties

Property	EN Standard	CE Class
Abrasion Resistance	EN 530	6
Flex Cracking	ISO 7854	3
Trapezoidal Tear	ISO 9073	5
Tensile Strength	EN 13934	5
Puncture Resistance	EN 863	3
Seam Strength	EN 13935-2	6

## Interceptor® Plus Styles



### Basic Style Options

INT640W - Front entry / wide vision visor  
INT650W - Rear entry / wide vision visor

Available in: Blue ● Yellow ● Orange ●

Fully encapsulated suit featuring double layer visor, gas-tight zip and attached boots and gloves:

- Expanded back, attached sock boots with boot flaps
- Seams sealed inside and out
- 122cm gas tight zipper with outer storm flaps
- Double layer attached gloves
- 2 exhaust valves
- Inside waist belt
- Storage bag included

## Chemical Warfare Agents

Interceptor® Plus has been tested independently against permeation by common chemical warfare agents according to the FINABEL test method. (1 x 50 µg / 37°C / 24H)

Agent	Acronym	No of tests	Fabric result hours:min	Seam result hours:min
Sulfur mustard	HD	3	>24:00	>24:00
Lewisite	L	3	>24:00	>24:00
V-Agent	VX	3	>24:00	>24:00
Sarin	GB	3	>24:00	>24:00
Tabun	GA	3	>24:00	>24:00
Soman	GD	3	>24:00	>24:00

Note: that testing has been conducted against the Interceptor® Plus fabric and the seam. In the tests, the challenge was made against the seam with 50% of the fabric only and 50% on the seam. As can be seen no permeation was recorded in 24 hours across 3 tests on each agent.

Product Style	Color	Seam Methods	Sizes	Case Pack
ICP640WO/ICP640WB/ICP640WY	Orange, Yellow, Blue <span style="color:orange">●</span> <span style="color:yellow">●</span> <span style="color:blue">●</span>	Heat Sealed Seam Plus	S-XXXL	1

# Interceptor® Plus Design features

Fully sealed to the external environment, the Interceptor® Plus coverall is worn with SCBA inside the suit - a generous backpack allows use of most portable breathing apparatus. Interceptor® Plus includes as standard a number of design features making it the best choice for gas-tight protection available.

Unique and patented "etched" sealing system for more secure seal between visor and garment fabric.

Double layer face shield:  
Outer-0.25mm Teflon  
Inner - 1.00mm PVC  
Offers superior chemical barrier with flexibility

63cm wide-vision visor

Rear pouch for accommodation of internal SCBA

Two protected rear mounted exhaust valves: one at the back and one at rear of hood.

122cm gas-tight zip with front-entry or rear-entry options.

Two layer glove system: inner chemical barrier glove and outer Butyl glove - bonded together for improved comfort

Soft and flexible 365gsm multi-layer fabric... the unique combination of polymers results in a high barrier to a wide range of chemicals.

Stitched and double taped seams, inside and out.

Attached sock with boot overlap.

Lakeland sales staff will also conduct training on donning & doffing and conducting internal pressure tests for your staff on delivery of your initial Interceptor® Plus suits.

**Interceptor® Plus works with:**  
**PermaSURE**<sup>®</sup>  
Safe-Use Time Toxicity Modeller  
Contact Lakeland for more details.

- Anti-mist wipes supplied with each garment.
- All Interceptor® Plus suits undergo an **internal pressure test** to confirm suit is gas-tight before leaving the factory as part of the final quality assurance check.

Available Colors:



ICP640WO



ICP640WB



ICP640WY

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