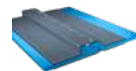


Interceptor® Plus

Fully Encapsulated Gas-Tight Suit for Thermal Protection



ICP645AO

Interceptor® Plus is Lakeland's gas-tight, Type 1a chemical protective coverall. ICP645A gas-tight suit is designed for chemical flash fire protection FOR ESCAPE ONLY in the event of a chemical flash fire. It offers three-way protection- broad chemical holdout, plus flame resistance and radiant heat protection for the additional hazards encountered in a chemical flash-fire.

FEATURES

- Outer layer is aluminized fiberglass which can protect against above 95% heat emission; inner layer is level A gas-tight chemical protective coverall;
- Fully encapsulated front entry gas protective suit (Level A), expanded back;
- Sealed seam plus inside and out, 48" zipper, double storm flap with hook and loop closure;
- 2 layers face shield (0.25mm Teflon/1.00mm PVC);
- Include the glove system, 2 exhaust valves, attached sock boots with boot flaps, 15" waist belt with 3 belt loops sewn (inside) and sealed. Storage bag included.

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

Chemical- gas

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	2
Trapezoidal Tear	ISO 9073	6
Tensile Strength	EN 13934	4
Puncture Resistance	EN 863	2
Seam Strength	EN 13935-2	6

The outer layer fabric is aluminized fiberglass fabric, 375gsm weight and 0.3mm thickness, which provides highly effective heat and flame resistance property.

Outer layer fabric: aluminized fiberglass

Physical Property	Test Method	Test Result
Breaking Strength(Warp/Fill)	ASTM D5034	1557 N/1112 N
Tear Strength(Warp/Fill)	ASTM D1424	CNM N/44 N
Flame Resistance (After flame/Char length)	ASTM D6413	1 S/1.3 cm
Radiant Reflectivity	MIL-C-24929A	10 S

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
ICP645AO/ICP645AB/ICP645AY	Orange, Yellow, Blue   	Heat Sealed Seam Plus	S-XXXL	1