

ERS — EXTENDED RESPONSE SUIT



EXTENDED RESPONSE. EXTREME DEXTERITY.

The ERS (Extended Response Suit) is designed with maximum comfort and protection in mind. The one-piece, front-entry suit is easily stowed in a vehicle to facilitate the most immediate deployment possible and can be worn for an extended period of time.

The ERS is made with lightweight GORE® CHEMPAK® Selectively Permeable Fabric and is certified for “warm zone” operations where hazardous chemical and biological agents are anticipated or identified. The ERS protects against lower levels of vapor and liquid concentrations that may be encountered in the “warm zone” when deployed with the proper ensemble elements. Certified to NFPA 1994, Class 3.





ERS SPECIFICATIONS

Certification:	NFPA 1994, Class 3
Zone:	Warm
Systemic Physiological Protective Dosage Factor (PPDF _{sys}):	6346 PPDF _{sys} (average)
Garment design:	1-piece, front-entry
Respiratory system:	Contact Lion at CBRN@lionapparel.com for options
Hand protection system:	GORE™ G9492 glove system with GORE® CHEMPAK® Ultra Barrier Fabric worn under Nomex® outer glove
Foot protection system:	Integrated bootie with GORE® CHEMPAK® Selectively Permeable fabric; OnGuard HAZMAX® boot
Barrier technology:	GORE® CHEMPAK® Selectively Permeable Fabric
Storage life:	Up to 10 years
Multi-use:	Yes, 8-hour wear life if not damaged, exposed or contaminated
Training suit available:	Yes

- Value-added features deliver maximum dexterity and highest protection factor for Class 3 ensembles
- One-piece, lightweight design easily compacts for storage
- Certified to NFPA 1994, Class 3 for warm zone operations

FEATURES

- GORE™ G9492 glove system with Nomex® outer glove resists tearing and allows for added dexterity
- Air-tight zipper provides premium vapor and liquid protection
- Durable GORE® CHEMPAK® Selectively Permeable Fabric provides protection below IDLH concentration levels against TICs and CWAs while performing tactical operations
- Sleek, one-piece, lightweight design
- Front-entry design for ease of donning
- Fully sealed seams eliminates need for taping
- 8-hour wear life if not damaged, exposed or contaminated

APPLICATIONS

- Perimeter security and crowd control
- Extended decontamination
- Patient processing

BARRIER CHEMICAL PERMEATION PERFORMANCE

GORE® CHEMPAK® Selectively Permeable Fabrics as used in ERS Suit

Challenge Chemical	Challenge Level	Endpoint µg/cm ²	8 Hour Cumulative Results
Acrolein	40 ppm	6	< .01 µg/cm ²
Acrylonitrile	40 ppm	6	non-detect
Ammonia	40 ppm	6	non-detect
Chlorine	40 ppm	6	< .02 µg/cm ²
Cyanogen Chloride	40 ppm	6	non-detect
Dimethyl Sulfate	10 g/m ²	6	non-detect
Hydrogen Cyanide	40 ppm	6	non-detect
Mustard (HD)	10 g/m ²	4	< 0.2 µg/cm ²
Phosgene	40 ppm	6	non-detect
Sarin (GB)	10 g/m ²	1.25	< .02 µg/cm ²
Soman (GD)	10 g/m ²	1.25	< .01 µg/cm ²
Tabun (GA)	10 g/m ²	1.25	< .01 µg/cm ²
VX	10 g/m ²	1.25	< 0.3 µg/cm ²

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WARNING: Never wear the garment without the correct respirator, footwear, gloves, hood or belt; never wear the Garment without all elements in place. The garment alone does not provide protection against all chemical and biological hazards. CBRN ensembles provide no protection against flame. CBRN ensembles provide limited protection against abrasion, puncture, bodily fluids, other liquids and gases. No products, including garments, footwear or handwear, can offer absolute protection, even when new, and their protective performance will decline with wear, tear, abrasion, and other damage associated with use. W. L. Gore & Associates, Inc. and Lion Apparel, Inc. make no guarantee of how the product will perform in actual use.

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Chempak
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NOMEX



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6450 Poe Ave. / Suite 300 / Dayton, OH, 45414
Main: 937/898-1949 / Fax: 937/415-2936
Toll Free: 800/548-6614
CBRN@lionapparel.com
www.lionapparel.com