

Zytron 500

Top Level Protection For Demanding Hazmat Response.

- Greater than 8-hour holdout against hundreds of chemicals, with proven holdout against Chemical Warfare Agents (CWA).
- NFPA 1994 Class 2 - 2012 Edition style available.
- Available in a wide variety of total encapsulating suits and coverall styles.
- Available in hi-viz orange and charcoal gray.
- New patent-pending AntiFog Expanded-View Visor System (see bottom left for side-by-side comparison photos).
- Applications: Hazmat response, chemical handling, refueling operations, petrochemical operations, hazardous material clean-up and remediation, CWA incineration, remediation and disposal.



Zytron® 500 gas-tight styles features new AntiFog Visor.
(note: old vs. new comparison shows Frontline® garment)

Zytron 500

ASTM F1001 Chemical Test Battery*

Chemical	Minutes
Acetone	>480
Acetonitrile	>480
Carbon Disulfide	>480
Dichloromethane	>480
Diethylamine	>480
Dimethylformamide	>480
Ethyl Acetate	>480
n - Hexane	>480
Methyl Alcohol	>480
Nitrobenzene	>480
Sodium Hydroxide	>480
Sulfuric Acid	>480
Tetrachloroethylene	>480
Tetrahydrofuran	>480
Toluene	>480
Gases	
Ammonia Gas	>480
1,3 Butadiene Gas	>480
Chlorine Gas	>480
Ethylene Oxide Gas	>480
Hydrogen Chloride Gas	>480
Methyl Chloride Gas	>480

Chemical Warfare Agent Data**

Chemical Agent	Minutes	Criteria
Bis (2-chloroethyl) sulfide (Mustard:HD)	>480	4.0 ug/cm2
Isopropyl methylfluorophosphonate (Sarin:GB)	>480	1.25 ug/cm2
Chlorovinyl arsinedichloride (Lewisite:L)	>480	4.0 ug/cm2
O-ethyl S-(2-diisopropylaminoethyl) methylphosphonothiolate (Nerve:VX)	>480	1.25 ug/cm2

* Industrial chemical testing was conducted in accordance with ASTM F 739 with normalized breakthrough times reported in minutes. **Chemical Warfare Agent testing was conducted in accordance with MIL-STD-282 and/or NFPA 1994-2001 with breakthrough times reported based on total cumulative permeation. For detailed technical data and physical properties see page 30 or visit kappler.com.

WARNING: This information is based on technical data that Kappler believes to be reliable. It is subject to revision as additional knowledge and experience are gained. The website will contain Kappler's most up-to-date product information, and customers who receive pamphlets, brochures or other literature should be aware that such "hard copy" information may not be as current as the information on Kappler's website. Customers also should recognize that there are uses, environments and chemicals for which Kappler products, garments and/or fabrics are unsuitable. It is the responsibility of the user to review available data and verify that the product, garment and/or fabric is appropriate for the intended use and meets all specified government and/or industry standards. Also, the customer should review all available information on the website to understand the uses – and limitations – on ALL products, garments and fabrics which Kappler makes available.

CAUTION: Do not use for fire protection. Avoid open flame or intense heat.



Zytron® 500



Shown above are typical garment types for this fabric. View standard styles at kappler.com and see page 29 for custom options.

New larger AntiFog Visor System is standard on all Zytron 500 gas-tight styles except Z5H550 and 580 series.



ChemScan® labels – quick, accurate and only from Kappler. Scan the label with your phone's QR reader for a complete list of chemicals tested against your garment's protective fabric.

All Hazmat styles include 2N1® Glove System which eliminates the problem of inner glove inversion.

HazMat styles include seams that are sewn then double heat sealed/taped.



Scan this QR code for a video showcasing the benefits of Kappler's new larger AntiFog Visor System shown here.

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