

# DuraChem®

CBRN/HazMat Protection

DuraChem® 500

## Tough, Affordable Certified NFPA 1994 Protection For Both CBRN and Hazmat.

- DuraChem® 500 includes dual certification to NFPA 1994 for both Class 1 and Class 2. Kevlar gloves required for Class 1 are included with every suit.
- Provides tactical CBRN protection in non-encapsulating suit.
- Economically priced versus expensive reusable garments.
- NFPA 1994-2018 Edition now covers both CBRN and Hazmat.
- Design features include rubber gasket for tight respirator fit (see photo at right), and rear-entry to facilitate doffing and reduce cross-contamination (far right).



# DuraChem 500

## Chemical Test Battery\*

Chemical	Class 1 Minutes	Class 2 Minutes	Breakthrough Criteria
Acrolein	>60	>60	>6.0 ug/cm <sup>2</sup>
Acrylonitrile	>60	>60	>6.0 ug/cm <sup>2</sup>
Ammonia	>60	>60	>6.0 ug/cm <sup>2</sup>
Chlorine	>60	>60	>6.0 ug/cm <sup>2</sup>
Diethylamine	>60	NA	>6.0 ug/cm <sup>2</sup>
Dimethyl Sulfate	>60	>60	>6.0 ug/cm <sup>2</sup>
Ethyl Acetate	>60	NA	>6.0 ug/cm <sup>2</sup>
Sulfuric Acid	>60	NA	>6.0 ug/cm <sup>2</sup>
Tetrachloroethylene	>60	NA	>6.0 ug/cm <sup>2</sup>
Toluene	>60	NA	>6.0 ug/cm <sup>2</sup>

## Chemical Warfare Agent Data\*

Chemical Agent	Class 1 Minutes	Class 2 Minutes	Breakthrough Criteria
Soman	>60	>60	1.25 ug/cm <sup>2</sup>
Distilled Mustard	>60	>60	4.0 ug/cm <sup>2</sup>

## Class 2 Biohazard Testing

Hazard	Method	Result
Blood/Viral	ASTM-F1671	Pass

\*Class 1 chemical challenge levels are 20 g/m<sup>2</sup> for liquids and 10,000 ppm for gases and vapors. Class 2 chemical challenge levels are 10 g/m<sup>2</sup> for liquids and 350 ppm for gases and vapors. For detailed technical data and physical properties visit [kappler.com](http://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.

DuraChem 500 Style D5H458-94 available in khaki and navy.

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DuraChem 500 Style D5H458-94 is certified to NFPA 1994 as part of a system of components with other protective equipment.

Rubber gasket fits securely around respirator, eliminates need for taping.

**Even our labels work harder.** ChemScan® QR code labels provide quick access to the fabric's chemical test data, and our unique "sizing" feature makes suit size easy to see.

Rear entry design enhances frontal splash protection.



Kevlar® gloves must be worn for Class 1 compliance and a pair is included with every DuraChem 500 suit.

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