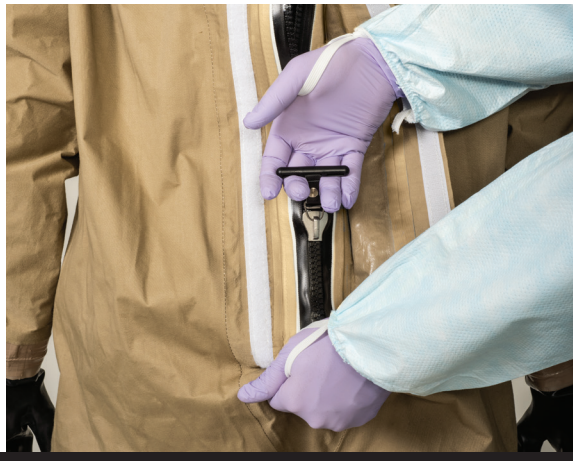
DuraChem®

CBRN/HazMat Protection

Tough, Affordable Certified NFPA 1990 (1994) Protection For Both CBRN and Hazmat.

- DuraChem® 500 includes dual certification to NFPA 1990 (1994) for both Class 1 and Class 2. The Nomex® or Kevlar® outer gloves required are included with every suit.
- Provides tactical CBRN protection in non-encapsulating suit.
- Economically priced versus expensive reusable garments.
- NFPA 1990 (1994) Edition now covers both CBRN and Hazmat.
- Design includes Sure-Fit® respirator face piece seal *(top right)*, with both front and rear entry styles available.



DuraChem® 500

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

DuraChem 500
Chemical Test Battery*

Chemical	Class 1 Minutes	Class 2 Minutes	Breakthrough Criteria
Acrolein	>60	>60	>6.0 ug/cm²
Acrylonitrile	>60	>60	>6.0 ug/cm²
Ammonia	>60	>60	>6.0 ug/cm²
Chlorine	>60	>60	>6.0 ug/cm²
Diethylamine	>60	NA	>6.0 ug/cm²
Dimethyl Sulfate	>60	>60	>6.0 ug/cm²
Ethyl Acetate	>60	NA	>6.0 ug/cm²
Sulfuric Acid	>60	NA	>6.0 ug/cm²
Tetrachloroethylene	>60	NA	>6.0 ug/cm²
Toluene	>60	NA	>6.0 ug/cm²

Chemical Warfare Agent Data*

Chemical Agent	Class 1 Minutes	Class 2 Minutes	Breakthrough Criteria
Soman	>60	>60	1.25 ug/cm²
Distilled Mustard	>60	>60	4.0 ug/cm²

Biohazard Testing

Hazard	Method	Result
Blood/Viral	ASTM-F1671	Pass

*Class 1 chemical challenge levels are 20 g/m2 for liquids and 10,000 ppm for gases and vapors. Class 2 chemical challenge levels are 10 g/m2 for liquids and 350 ppm for gases and vapors. For detailed technical data and physical properties visit kappler.com

Note: These tests were performed in accordance with ASTM or other appropriate testing methods by independent laboratories. This data is derived from tests performed on material samples only, not finished garments, with exception of Pyroman full-body manikin test. For a complete list of chemicals tested and additional tech data visit kappler.com.

WARNING: The information contained herein is based on technical data that Kappler believes to be reliable. It is subject to revision as additional knowledge and experience are gained. Please visit our website at www.Kappler.com ("Kappler Website") for the most up-to-date product information and specifications. All pamphlets, brochures or other literature or printed material may contain information that is not as current as the information on Kappler's website. Additionally, there are uses, environments and chemicals for which Kappler products, garments and/or fabrics are unsuitable. The user has the responsibility to review all available data and verify the product, garment and/or fabric is appropriate for the intended use and meets all specified government and/or industry standards for such use. The user should review all available information on the Kappler Website, product labels and QR codes to understand the appropriate uses and limitations of Kappler products, garments and fabrics.
CAUTION: These garments are designed for protection of personnel against short duration thermal exposures. Do not use for firefighting applications. Minimize exposure to open flame or intense heat.

DuraChem 500 does not contain PFAS chemistry.

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

Sure-Fit® face piece seal fits securely around respirator, eliminates need for taping.

Our labels work harder, and smarter. *Kappler's unique SMART™ label makes sizing easy to see, and a quick QR code scan provides complete chemical data plus extensive suit details.*

Rear entry design enhances frontal splash protection.

Nomex® or Kevlar® outer gloves must be worn for Class 1 and Class 2 compliance and a pair is included with every DuraChem 500 suit.

Adjustment straps at ankles, plus other unique design features.

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