

# GORE<sup>®</sup> CHEMPAK<sup>®</sup>

FABRIC

*RUGGEDIZED CLASS 3 SUIT*



## **Respond confidently to tactical and search & rescue operations in contaminated environments**

- Certified NFPA 1994, Class 3R and NFPA 1992 protection
- Excellent mobility in hazardous environments due to highly durable, form-fitting garment design
- Lower heat stress provided by a highly breathable suit, which allows for longer mission times when compared to an impermeable suit



## Durable Protection in Contaminated Environments

For CBRN responses that may include collapsed structures or confined spaces during tactical entry or search & rescue missions, you need a suit that can withstand the harsh surroundings found in these types of environments. The Ruggedized Class 3 suit made of GORE® CHEMPAK® selectively permeable fabric delivers extremely durable certified protection, even after exposure to field contaminants such as seawater, sweat, and hydraulic fluid. And for requirements identified in a federal government project, this suit provides a minimum of four hours of permeation protection. Reinforced and padded at critical stress points for a greater level of cut and puncture resistance, the suit's form-fitting, tactical design enables you to maneuver more confidently through tight spaces and rubble piles.

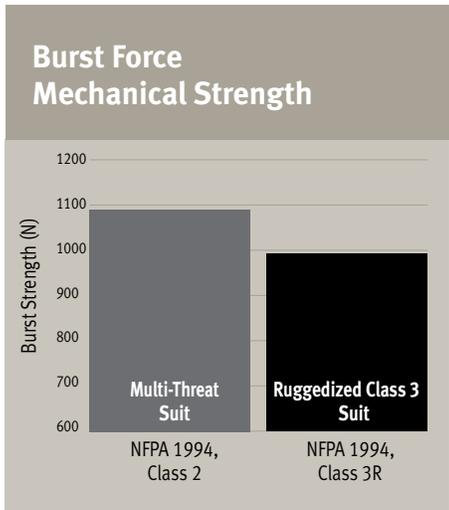
## Stay Actively Involved

Responding to large-scale events requires extended hours in environments where heat stress can often be an issue. Materials used in protective clothing can interfere with the flow of sweat vapor into the environment, also increasing heat stress. The evaporative resistance test (Ret), included in the 2018 edition of the NFPA 1994 Standard, measures material breathability. This test determines the amount of resistance sweat vapor encounters when passing through a fabric: the lower the resistance value, the more breathable the fabric is. When tested for NFPA 1994 component certification, the GORE® CHEMPAK® selectively permeable fabric measured almost 2.5 times lower than the value required to be certified. Because of its highly breathable barrier, the Ruggedized Class 3 suit enables you to stay actively involved significantly longer than an impermeable suit does.

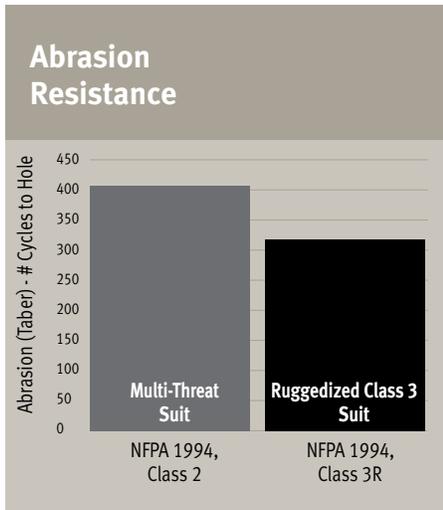
## Certified Protection

This reusable suit made of GORE® CHEMPAK® selectively permeable fabric is certified to Class 3R of the NFPA 1994 Standard and to the NFPA 1992 Standard. This certification and its AEL/SEL qualifications make the suit eligible for grant funding. Providing protection against liquid and vapor chemicals, radiological and biological particulates, liquid splash, blood, and emerging pharmaceuticals such as fentanyl, the Ruggedized Class 3 suit is ideal for tactical operations in CBRN warm-zone environments such as

- Technical search and rescue
- Fatality search and rescue
- Tactical entry
- Physical security
- Decon operations
- Warm-zone patrol
- Confined space rescue
- Contaminated casualty transport and handling



When examined for burst strength using the Mullen burst test, the Ruggedized Class 3 fabric demonstrated the durability of its construction and confirmed its use for rugged environments.



In the aggressive Taber test, the Ruggedized Class 3 fabric showed a high level of abrasion resistance to offer greater durability.

## The Gore Advantage

For more than 35 years, W. L. Gore & Associates has been trusted by federal, state, and local emergency response agencies throughout North America to protect their first responders. At Gore, we leverage our unparalleled expertise in materials and comfort science to create reliable and innovative products for the most critical applications in the most demanding environments. We work closely with end users to understand their needs, which enables us to engineer products that do what we say they will do. This is Gore's fitness-for-use philosophy.



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