

LIGHTWEIGHT BREATHABLE

MULTI HAZARD GORE-TEX® PYRAD® GARMENTS



MULTI-THREAT GARMENT SHIELDING AGAINST LIQUID CHEMICAL SPLASH AND A VARIETY OF THERMAL HAZARDS



**LIQUID CHEMICAL
PROTECTION**

Certified to
NFPA 1992



**HEAT AND FLAME
PROTECTION**

ASTM F1930 Flash
fire protection



**ARC RATED
PROTECTION**

ASTM F1506 CAT 3



LIGHTWEIGHT

Providing comfort
throughout a full
shift



BREATHABLE

Reduced heat
stress for the
wearer



**MOLTEN SPLASH
PROTECTION**

ASTM F955
test method



**WATER VAPOR
TRANSMISSION**

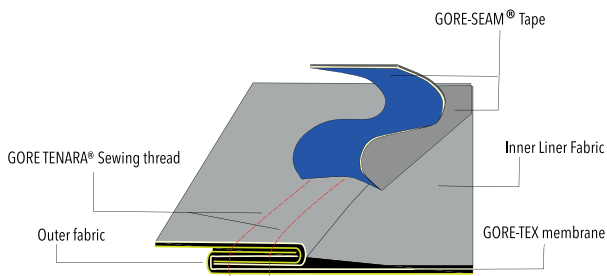
ASTM E96
Compliant

MULTI-HAZARD GORE-TEX® PYRAD® TECHNOLOGY FEATURES AND BENEFITS

- » Durable and extensive liquid chemical protection
- » Full taped seam-sealed garments with high manufacturing standards
- » Single garment providing protection from multiple hazards
- » NFPA 1990/1992 Certified chemical splash protection
- » Safety PPE to potentially mitigate heat stress
- » Increased safety with high visibility combined with multi-hazard chemical splash protection

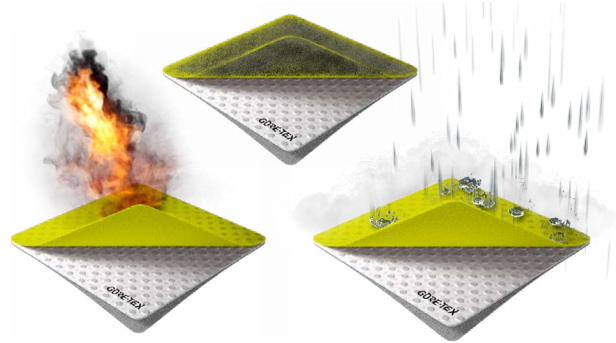
Resistant to Chemical Penetration Against a Wide Range of Industrial Liquid Chemicals

- » Tested in accordance with the minimum performance requirements of NFPA 1990/1992 standards and additional chemicals. (Refer to the Multi Hazard GORE-TEX® PYRAD® Fabric Chemical Penetration Resistant Data Sheet)
- » Breathable and durable chemical penetration resistant that allows perspiration to evaporate through the chemical barrier to the outside.
- » Garments can be safely washed without compromising chemical protection.
- » Seams are vulnerable areas prone to chemical penetration. Garments made with Multi Hazard GORE-TEX® PYRAD® fabric are finished with GORE-SEAM® Tape and sewn with GORE® TENARA® sewing thread, a specifically designed thread that is highly thermally stable and chemically inert, which prevents seams from failing during chemical splash incidents.



Fabric Technology is Engineered to Provide Optimal Protection Against Heat and Flame by Balancing Flame Resistance, Thermal Insulation and Thermal Stability.

- » During thermal hazards such as flame, arc flash or flash fire exposure the fabric:
- » Blocks heat flow
- » Stops flame propagation
- » Forms a carbonaceous char
- » Reduces the heat transfer to skin
- » Keeps integrity – No hole formation
- » Physical integrity of the laminate is maintained after heat and flame exposure



Breathability Benefits of Multi Hazard GORE-TEX® PYRAD® Garments

- » Breathable, flexible, and feel light weight
- » High breathability minimizes dangerous rise in body core temperature
- » Higher productivity compared to impermeable PPE
- » Allows freedom of movement
- » Garments can increase compliance while reducing worker heat stress and discomfort

SAFETY STANDARDS

- **NFPA 1990/1992**, Standard for Liquid Splash-Protective Ensembles and Ensemble Elements for Hazardous Materials - Specifies the minimum design, performance, testing, documentation, and certification requirements for the finished garment.
- **ASTM F1930**, Standard Test Method for Evaluation of Flame Resistant Clothing for Protection Against Flash Fire Clothing to protect against Flash Fire Simulations Using an Instrumented Manikin.
- **ASTM F955**, Standard Test method for Evaluating Heat Transfer Through Materials for Protective Clothing Upon Contact with Molten Substances
- **ASTM F2733**, Standard Specification for Flame-Resistant Rainwear for Protection Against Flame Hazards.

- **ASTM F1506**, Standard Performance Specification for Flame Resistant and Electric Arc Rated Protective Clothing Worn by Workers Exposed to Flames and Electric Arcs (Arc rated in accordance with ASTM F1959, ATPV ≥ 35 cal/cm²).
- **ANSI/ISEA 107**, American National Standard For High-Visibility Safety Apparel and Accessories - background material intended to be highly conspicuous in daytime and dawn/dusk conditions, combined with garment retroreflective for Type R Class 3 compliance.
- **ASTM E96**, Standard Test Methods for Water Vapor Transmission of Materials - Breathability, met requirements for procedures B and BW, Breathable.

- **ISO 11092 (ASTM F 1868)**, Standard Test method for Thermal Evaporative Resistance of Clothing Materials Using a Sweating Hot Plate, Resistance to Evaporative Heat transfer (RET < 18), Breathable.
- **Rain Tower Test** according to Gore Performance Standard, 22 inches of Rain per hour, assesses garment for waterproofness design and material performance.
- **OEKO-TEX® Standard 100**, Supplement for PPE and PPE material- Annex 4 product class II Certified
- Compliant with California Proposition 65

Technical information provided by W. L. Gore & Associates, Inc.
GORE-SEAM, GORE-TEX, PYRAD and designs are trademarks of W. L. Gore & Associates, Inc. © 2026 W. L. Gore & Associates, Inc.