

BLACK MOISTURE BARRIER

Improved durability in a highly breathable,
two-layer moisture barrier



- High breathability for reduced heat stress
- Enhanced durability backed by a 3.5-year limited warranty
- Remained thermally stable, even after exposure to extreme heat
- Long-lasting protection against blood, body fluids, NFPA common chemicals, and water



CROSSTECH® Black Moisture Barrier



crosstech.com

The latest generation of highly breathable moisture barriers

High breathability for reduced heat stress

Based on our latest technology, CROSSTECH® black moisture barrier maintains the same high level of breathability as our original two-layer barrier, with the added benefit of more durable protection in a wide range of environmental conditions. CROSSTECH® black moisture barrier has a high total heat loss (THL), which means you experience less heat stress and fatigue.

Improved durability backed by a 3.5-year warranty

Moisture barriers should protect you against liquid penetration on every call, not just the first few. Field testing showed that CROSSTECH® black moisture barrier remained significantly more liquid-proof and less prone to damage, delivering excellent breathability and protection call after call after call. This new level of durability is backed by a 3.5-year limited warranty to help you comply with the 2008 edition of the NFPA 1851 standard.

Excellent thermal stability

Just because most moisture barriers used in North America meet the minimum performance requirements specified in NFPA 1971 (2007 edition), they don't all perform equally. Engineered to provide long-lasting protection and breathability, CROSSTECH® black moisture barrier maintained its high breathability and waterproof protection even after exposure to extreme heat.

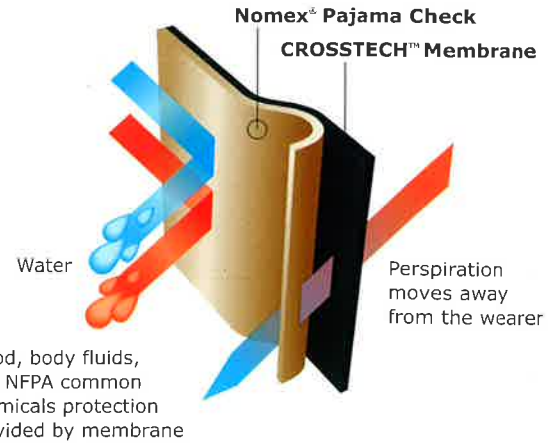
Long-lasting protection against liquid penetration

As you work at an emergency scene, some of the most dangerous hazards are the ones you cannot see, and exposure to NFPA common chemicals, blood, and body fluids is a serious concern. Testing showed that CROSSTECH® black moisture barrier provided a level of protection that exceeds the current NFPA 1971 standard — even after 25 wash/dry cycles and 5 thermal exposures.

The Gore Advantage

Having turnout gear that withstands the challenging conditions in which you work depends on the quality of the fabrics' construction and the manufacturing process of the gear. For 30 years, W. L. Gore & Associates has been a pioneer in developing high-performance moisture barriers for fire, EMS, military, law enforcement, and ChemBio applications. At Gore, we work closely with our gear manufacturers from initial design through rigorous laboratory testing, field trials, and final product performance — all to ensure that the moisture barrier in your turnout gear does what we say it will do.

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Revised NFPA 1851 Standard, 2008 Edition, Emphasizes Durability

The 2008 edition of the NFPA 1851 standard places a new emphasis on the durability of turnout gear. The new NFPA 1851 standard requires a more rigorous inspection of the overall garment, specifically for the liner systems. W. L. Gore & Associates has developed an informational guide to address the implications of compliance with this updated NFPA standard. This comprehensive guide shows how to complete inspections, testing, and repairs of CROSSTECH® Products and GORE® Moisture Barriers to help fire and safety professionals comply with the revised standards.

The Total Heat Loss (THL) Test replicates human heat interaction with the composite system to measure the moisture barrier's breathability. The sweating guarded hot plate simulates the heat and moisture transfer from the body surface through clothing material(s) to the environment.



Meets or Exceeds Standards

NFPA 1971 (2007 Edition) Standard on Protective Ensembles for Structural Fire Fighting and Proximity Fire Fighting Component recognized by Underwriters Laboratories

CAN/CGSB 155.1 (2001 Edition) Firefighters' Protective Clothing for Protection Against Heat and Flame Component recognized by Underwriters Laboratories

*Common chemicals include battery acid (37% sulfuric), ASTM Ref. Fuel C (unleaded gasoline surrogate), hydraulic fluid (phosphate ester), aqueous film-forming foam (AFFF), and swimming pool chlorine solution (65% free Cl₂).

WARNING: No products, including garments, footwear, and gloves, protect completely, even when new; their protective performance will decline with wear, tear, abrasion, and other damage associated with use.

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