

3-LAYER MOISTURE BARRIER

Rugged durability backed by a five-year warranty



Testing using the Gelbo Flex Tester allowed Gore to show that CROSSTECH® 3-Layer Moisture Barrier retained its liquid penetration resistance after repeated flexing and twisting.

- Rugged durability from a three-layer construction — backed by a five-year limited warranty
- Excellent reduction of heat stress
- Superior thermal protection, even after exposure to high heat
- Penetration protection against blood, body fluids, NFPA common chemicals, and water



CROSSTECH® 3-Layer Moisture Barrier



crosstech.com

Rugged durability – protection that lasts

Durability so rugged we stand behind it with a five-year warranty

Some departments and firefighters are really tough on their gear — the first to respond, always engaged, and the last to leave. If this is you, CROSSTECH® 3-layer moisture barrier is the solution for you — delivering rugged, long-lasting protection without sacrificing superior penetration protection against blood, body fluids, NFPA common chemicals, and water. The 3-layer construction of this moisture barrier is so durable that it comes with a five-year limited warranty. This rugged barrier, combined with our limited warranty, makes it easier for your department to comply with the 2008 edition of the NFPA 1851 standard.

Outstanding Heat Stress Reduction

Lower levels of heat stress decrease your level of fatigue, which in turn increases alertness and improves your performance. That's why one of your biggest challenges is to remain protected while still using breathable fabrics that help minimize heat stress. Thanks to its highly breathable design, CROSSTECH® 3-layer moisture barrier exceeds the NFPA 1971 total heat loss requirement.

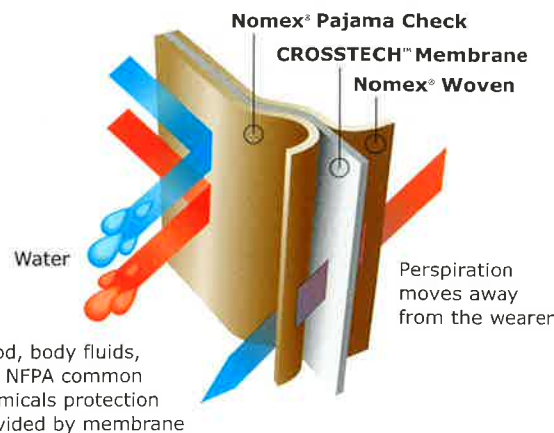
Superior thermal protection after extended exposure to extreme temperatures

Reliable thermal stability is essential in a moisture barrier — you don't want to compromise your protection or the barrier's breathability simply because it has been exposed to high heat. Unlike with some moisture barriers, testing showed that CROSSTECH® 3-layer moisture barrier withstood high heat exposure and still delivered excellent thermal protection.

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 Cl).

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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