

# GORE-TEX CROSSTECH<sup>®</sup> PARALLON<sup>®</sup> LINER SYSTEM

A REVOLUTIONARY SHIFT IN WHAT'S POSSIBLE

**GORE-TEX**  
PRODUCTS



Maintains thermal  
protection better  
when your  
gear gets wet



A new level of  
breathability  
beyond what is  
available today

## MORE THAN A SIMPLE ENHANCEMENT IN TURNOUT GEAR... IT'S A REVOLUTIONARY SHIFT IN WHAT'S POSSIBLE

The performance of traditional turnout gear usually requires a tradeoff between thermal protection and breathability. Increasing one typically means giving up some aspect of the other. Now it's possible to achieve unparalleled levels of breathability, while also preventing serious drops in thermal protection that can occur as your gear gets wet, particularly from sweat.

The new level of breathability and the enhanced thermal protection are only achievable with the GORE-TEX CROSSTECH® PARALLON® liner system — a unique multi-barrier liner system that physically replaces the moisture barrier and thermal liner in conventional gear.

### MORE CONSISTENT THERMAL PROTECTION

As you know, water in your turnout gear can significantly affect performance, potentially causing serious drops in thermal protection. In ordinary fire ground conditions, the unique multi-barrier configuration of the GORE-TEX CROSSTECH® PARALLON® liner system allows gear to maintain its thermal protection better when it gets wet. The result — gear that performs closer to when it was dry, providing a longer time to burn as tested in sub-flashover heat conditions consistent with the NFPA 1971 Standard.

### HIGHER BREATHABILITY TO MANAGE HEAT STRESS BETTER

The heat stress resulting from the environmental conditions in which you work can be severe and cause your body core temperature to rise — whether you are working an accident scene on an asphalt highway, venting a rooftop, or fighting a fire in the hot sun. Even seemingly small increases in your body core temperature can impair your performance, potentially affecting your safety and effectiveness.

While GORE-TEX CROSSTECH® moisture barriers provide the highest level of breathability in traditional turnout gear, the new GORE-TEX CROSSTECH® PARALLON® liner system offers the next level of performance. It provides the lowest resistance to your sweat vapor transmission through your turnout gear, enabling it to deliver unparalleled breathability across the broadest range of conditions. The result — a system that helps reduce the stress of working in turnout gear, helping to minimize the rise in body core temperature.

### MOST BREATHABLE. LESS HEAT STRESS. NO EQUIVALENT.

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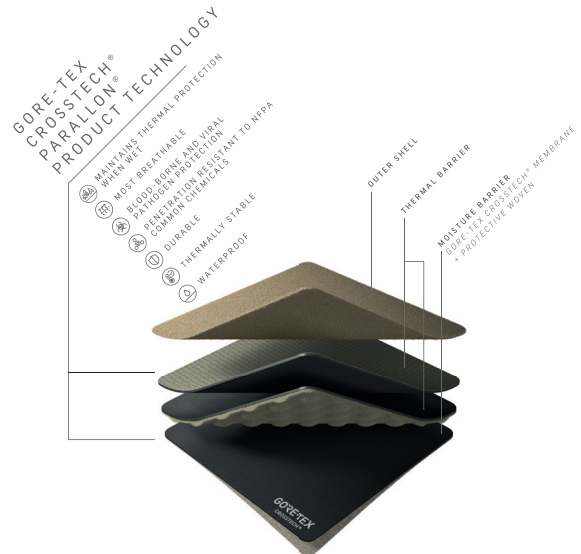
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Warning: No products, including garments and accessories, protect completely, even when new; their protective performance will decline with wear, tear, abrasion, and other damage associated with use.



GORE-TEX CROSSTECH® PARALLON® LINER SYSTEM

### MORE CONSISTENT THERMAL PROTECTION

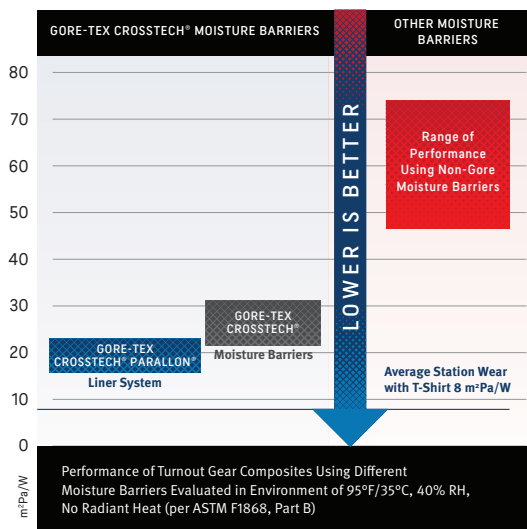
When your gear gets wet, particularly from sweat, the GORE-TEX CROSSTECH® PARALLON® liner system performs closer to when it was dry, minimizing the loss in thermal protection.

### INDICATED TIME TO 2ND DEGREE BURN (SEC)

Liner System	DRY		WET	% Loss in thermal protection
Conventional	280	>>	185	34%
GORE-TEX CROSSTECH® PARALLON®	301	>>	291	4%

Ordinary Fireground Heat Exposure (0.2 cal/cm²sec)

### HIGHEST BREATHABILITY IN BROAD CONDITIONS



When tested using the ASTM F1868, Part B method, GORE-TEX CROSSTECH® barrier technologies created less resistance to evaporative sweat transfer, enabling higher breathability when evaluated in the same outer shell and thermal liner combinations.