



**ENGINEERED PROTECTION
IN EVERY LAYER**



BEHIND EVERY HERO IS THE FABRIC THAT PROTECTS THEM

With over 95 years of innovation, Stedfast develops and manufactures advanced barrier technologies engineered to meet the extreme operational demands of fire and rescue services.

For nearly a century, we have led the way with innovative coated and laminated barriers—delivering integrated protection across the entire clothing system—from moisture barriers to particulate hoods and high-abrasion reinforcements.

Stedair® waterproof, breathable technologies and Stedfast coated fabrics provide durable protection against liquids, chemicals, particulates, and heat-related hazards—meeting the requirements of EN 469, AS/NZS 4967, and OEKO-TEX® Standard 100.

ENGINEERED FOR SAFETY, PERFORMANCE, AND DURABILITY.



Thermal & Flame Protection



Water/Liquid Barrier



Breathable (RET)



Chemical Resistance



Durability

HEAD-TO-TOE PROTECTION

MOISTURE BARRIERS

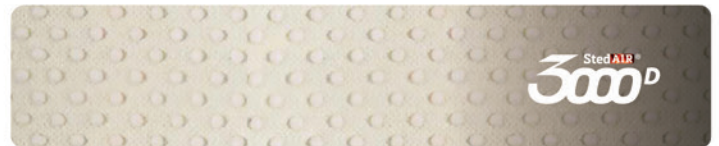


Moisture barriers are a critical layer within firefighter protective systems, engineered to deliver high levels of breathability while blocking water, chemicals, and pathogens—enabling heat and moisture vapour to escape and helping reduce heat stress while maintaining protection and durability.

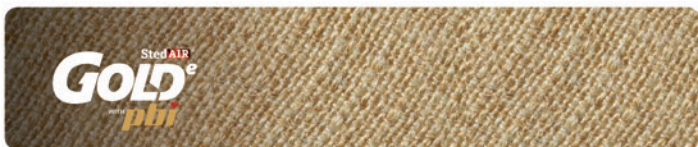
Designed for garments certified to EN469/AS496



Stedair® 3000® — Designed for fire and rescue services wearing EN469/ AS4967 firefighter protective clothing, Stedair® 3000e has a meta-aramid/para-aramid non-woven substrate laminated to a breathable ePTFE membrane. The product has unmatched Ret (breathability) and therefore comfort in comparison to competitors.



Stedair® 3000P/ 3000P lightweight — Designed for Fire and Rescue Services wearing EN469/AS4967 gear. Meta-aramid/para-aramid non-woven spun lace substrate laminated to a breathable ePTFE membrane with additional silicone dots on the surface of the non-woven. Silicone dots create an air layer between the thermal liner and the moisture barrier, resulting in a lighter-weight, more breathable garment. We now have two versions: 250 gsm and 300 gsm.



Stedair® GOLD® — The woven face fabric is comprised of the ultimate blend of Nomex®, Kevlar®, and PBI®. The combination of FR fibres creates the most flame and heat-resistant moisture barrier in the marketplace, along with unmatched durability. Meets and exceeds the requirements of EN 469 Level 2 and AS 4967.



STEDAIR® Waffle XP164 — Designed for Fire and Rescue Services wearing EN469/AS4967 gear. Hydro-entangled meta-aramid/para-aramid face fabric laminated to a bi-component PTFE/PU membrane, delivering hydrophilic and oleophobic performance for enhanced moisture management and improved seam tape durability. The waffle construction creates an air layer within the system to improve breathability and comfort without (ISO 16604 / ASTM F1671 / ASTM F1670).

STEDSHIELD^{fr}
by Stedfast

STEDSHIELD® FR REINFORCEMENT FABRIC STRENGTH WOVEN IN EVERY LAYER

Durable para-aramid reinforcement fabric developed for high-abrasion areas such as knees, cuffs, elbows, and shoulders enhances durability and extends its useful life while maintaining the flexibility firefighters need for full mobility.

Made from durable para-aramid fibers, Stedshield® FR offers excellent resistance to heat, abrasion, and wear, ensuring reliable performance in the demanding conditions of structural firefighting. Stedshield® FR provides exceptional durability without compromising flexibility. It maintains its strength over time while offering the freedom of movement needed for critical tasks.

Engineered for use in garments meeting:
EN 469 | EN 15614 | NFPA 1970 (2025)

PARTICULATE BLOCKING PROTECTION

Stedfast leads the industry in advanced particulate-blocking hood technologies, offering an air-permeable barrier with up to 99.9% blocking efficiency against hazardous particulates found in fireground smoke.

Combining high filtration efficiency with outstanding breathability and a unique construction, Stedair® Prevent barriers deliver exceptional comfort, flexibility, and protection for firefighters.

Fireground particulates—often in the 0.1-1 micron range—pose a persistent exposure risk. These ultra-fine particles can penetrate protective systems at critical interface areas such as the neck and jawline.

TWO TECHNOLOGIES DELIVERY PROTECTION WITHOUT COMPROMISE

StedAIR®
PREVENT

Proven in the Field.

Stedair® Prevent is an air-permeable particulate barrier engineered to deliver high filtration efficiency while maintaining breathability.

- 99.9% particulate blocking efficiency
- Air-permeable construction for enhanced comfort and reduced heat stress
- Designed for integration into hoods and interface zones
- Proven performance across global fire service applications

StedAIR®
PREVENT
CLEAR

PFAS-Free.

Stedair® Prevent CLEAR -the next-generation, PFAS-free particulate barrier delivering high-efficiency particle blocking while maintaining breathability and durability.

- Maintains 99% particulate blocking efficiency
- Retains performance after 100 wash cycles
- Breathable construction for wearer comfort
- Prevent CLEAR delivers equivalent protection and durability to traditional technologies while supporting OEM transition to more sustainable material platforms.

Certified:

NFPA 1970-2025 edition
Oeko-Tex® Standard 100

DURABILITY WITHOUT COMPROMISE

Stedair® particulate barrier technologies are engineered for long-term performance under repeated use and washing cycles—maintaining protective integrity while supporting garment longevity and lifecycle value.

WILDLAND PREVENT

Prevent
StedAIR WILDLAND

Lightweight Particulate Protection for Wildland Applications

Particulate-blocking, flame-resistant material engineered for wildland firefighting protective clothing, where breathability, mobility, and extended wear performance are critical.

Meta-aramid / para-aramid / FR viscose woven substrate
Integrated particulate-blocking membrane technology
Air-permeable and breathable construction

OEKO-TEX® compliant
Compliant with EN 15384 / AS 4824

BECAUSE SAFETY ISN'T OPTIONAL IT'S BUILT IN

Moisture management is built into every Stedair® barrier, helping reduce heat stress and maintain performance in demanding conditions.

Engineered to manage moisture vapour while maintaining protection—where breathability and protection work together without compromise.

STEDAIR® ADVANCED BARRIER TECHNOLOGY

CHEMICAL RESISTANCE

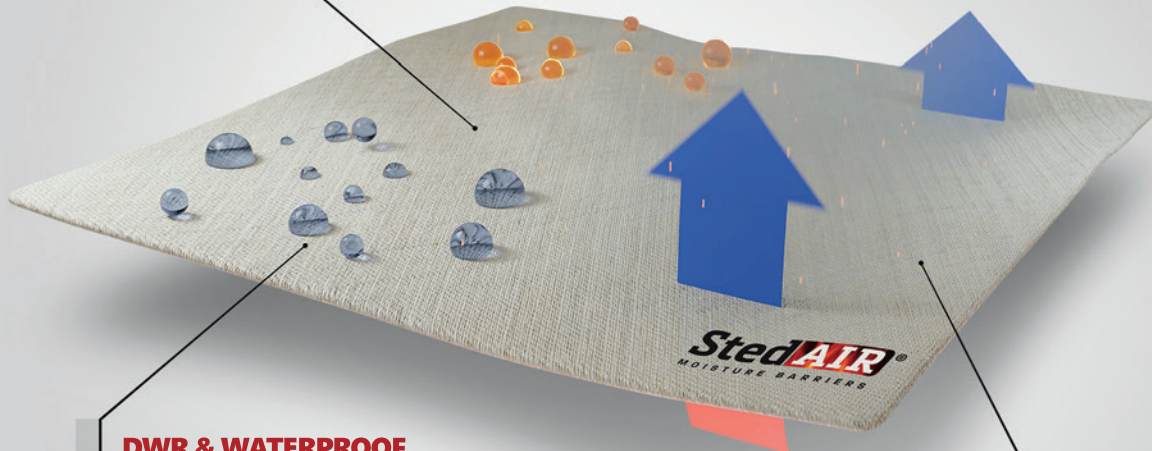
Penetration resistant against blood, body fluids, and common chemicals.

DWR & WATERPROOF

Engineered for performance to repel water and contaminants.

BREATHABLE

Exceptional breathability reducing heat stress.



NFPA 1970-2025/EN 469/AS 4967



TOGETHER WE PROTECT



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Stedfast
ADVANCED BARRIER TECHNOLOGIES