

Fibre Positioning Technology

TITAN

Innovative Heat and Flame Retardant Fabric

For Fire Fighters & Emergency Professionals Globally



HAINSWORTH®
PROTECTIVE FABRICS

Spring Valley Mills, Stanningley, Pudsey, West Yorkshire LS28 6DW United Kingdom

hainsworthprotectives.co.uk

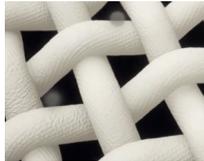
TITAN is a dynamic **patented construction that combines the high performance of DuPont Nomex® and DuPont Kevlar® by carefully positioning the different fibres within the garment to deliver a fabric that maximises comfort, **thermal protection** and durability.**

Design that Saves

Heat stress is the biggest single global threat to your health. TITAN through Fibre Placement Technology ensures you stay safe by being...

Breathable

Open and breathable structure to maximise flow of perspiration vapour through the moisture barrier.

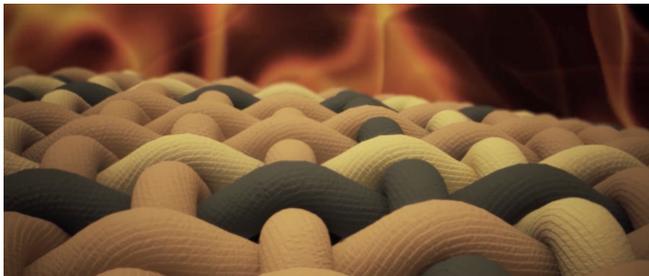


Lightweight & Flexible

The softness, lightweight and flexibility of the fabric means you are not wasting valuable energy moving in your PPE kit.

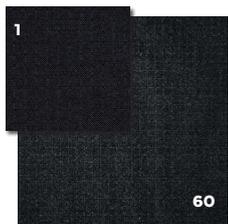
Protection that Shows

During exposure to intense heat and flame, TITAN's innovative Fibre Positioning Technology creates insulating air pockets within your garment – a process known as 'Active Air Entrapment'. The air held in the pockets created, acts to insulate you from the heat and flame ensuring you stay safer for longer.



Quality that Lasts

Use of only the best fibres and yarns woven together using Fibre Placement Technology, mean that TITAN fabric maximises durability, extending the wear life of your garment.



*Fabric sample after number of washes

- Excellent Abrasion Resistance
- UV Stability
- Superb Colour Fastness



TITAN 1220



A premium 220gsm outer shell fabric featuring Nomex® and Kevlar®. TITAN 1220 is a highly breathable fabric designed primarily as an outer shell for structural fire fighter garments, reducing the risk of heat stress by keeping you cool and comfortable, whatever the situation.

TITAN 1241



A premium 175g outer shell fabric featuring Nomex® and Kevlar®. At only 175gsm, and featuring an open breathable structure, TITAN 1241 is used as an outer shell fabric in riot police coveralls, technical rescue, and EMS protective gear, where maximum comfort and flexibility are paramount.

TITAN 1250



A premium 270gsm fabric featuring Nomex® and Kevlar®. TITAN 1250 is a highly breathable fabric, used both as an outer shell fabric for structural fire fighter garments, and as a single layer fabric in riot police coveralls.

TITAN 1260



A premium 220gsm fabric and featuring Aramid yarns and Pbi®. TITAN 1260 is a highly breathable fabric used as an outer shell fabric for structural fire fighter garments. Like its stable mates TITAN 1220 and TITAN 1250, this fabric features the dynamic and innovative 'Active Air Entrapment'. The inclusion of Pbi® fibre increases thermal integrity, ensuring that, after cooling, the fabric remains flexible and intact, and does not break open after flashover.

TITAN fabrics comply with international standards including:
Structural Firefighting - EN469 - NFPA 1971 - AS/NZS 4967
Technical Rescue and EMS - NFPA 1951 - NFPA 1999
Police - BS7971-10.