

UNIQUE LEATHER...

PYROHIDE®

Our world class top-grade grain leather developed specifically for fire-fighters provides the first line of defence for hand protection.

PYROHIDE® is resistant to fire, heat, water, salt water, liquid chemicals (sulphuric acid, hydrochloric acid, caustic soda, ethanol) and Man Made Mineral Fibres (MMFS). It is highly tactile in wet and dry conditions and dries soft following normal use.

Manufactured in the UK by Southcombe Brothers using a proprietary formula, it is exclusive to our range of gloves.

When you require the best, look no further than PYROHIDE®.

CROSSTECH® GORE-TEX®

Your head-to-toe protective gear isn't complete without the right glove, a glove with thermal stability, abrasion resistance and superior liquid penetration resistance - performance features critical to the firefighter. W.L. Gore & Associates has been providing glove barriers to the fire glove industry since 1981 and their expertise in barrier technologies is well recognized, they have the unique capability to mix and blend laminate technologies according to very specific needs or desires.

Southcombe Brothers only use Gore inserts to provide liquid penetration resistance in their range of products and have since its launch in 1994 been proud to offer the next generation of glove membranes in the form of the CROSSTECH® glove insert. Sandwiched in a 3-layer glove construction - lining, barrier and PYROHIDE® outer shell - the CROSSTECH® glove insert gives users a highly abrasion-resistant, water and blood-borne pathogen proof barrier.

In testing designed to simulate field wear, gloves with CROSSTECH® glove inserts were put through 25 wash/dry cycles and emerged without a leak. That's five times better than competitive polyurethane-based products for durable waterproofness and abrasion resistance.

They also can withstand 3,000 abrasion cycles of barrier against shell, where most other barriers fail at 1000 cycles.

CROSSTECH® glove inserts didn't melt or degrade after high heat exposure too 500°F for 5 minutes and they didn't crack or become brittle after exposure to cold. They are precision-sealed using a proprietary, automated Gore™ sealing system and have special finger tabs that are stitched into the glove during assembly to eliminate liner pullout during glove donning and doffing. Gloves with CROSSTECH® glove inserts have the highest breathability of any protective emergency response glove on the market. Since moisture in your gloves can escape, your hands stay drier and more comfortable, and your gloves dry out faster between runs.

It took Gore technology to achieve the proper balance between protection and comfort, and make these fire-fighting glove inserts the preferred alternative over other glove barriers.

KEVLAR®

KEVLAR® is an advanced technology from Dupont that helps transform ordinary products into extraordinary ones. It combines high strength with light weight, and comfort with protection. Products made from KEVLAR® help those who use them to do more, to go further, to be even better at what they do.

KEVLAR® is 5 times stronger than steel on an equal weight basis, yet at the same time, is light weight, flexible and comfortable. It is this unique combination of attributes that enable those who use it to realise success, to perform to their fullest potential and to achieve their personal best.

Commercially introduced in the early 1970's, fibres of KEVLAR® consist of long molecular chains produced from poly-paraphenylene terephthalamide. The chains are highly oriented with strong interchain bonding which result in a unique combination of properties.

General features of KEVLAR®

- High cut resistance
- Flame resistant, self-extinguishing
- High abrasion resistance
- High tensile strength at low weight
- Low elongation to break high modulus (structural rigidity)
- Low electrical conductivity
- High chemical resistance
- Low thermal shrinkage
- High toughness
- Excellent dimensional stability

Today the story of KEVLAR® extends far beyond the Dupont laboratory. In almost 40 years since its discovery, KEVLAR® has played a significant role in many critical and diverse applications.

Southcombe Brothers use KEVLAR® yarns in both the lining materials and cuffing materials on their gloves to provide users with the very best in hand protection.

KEVLAR®. It's the power of performance.

NOMEX®

The inherently flame-resistant properties provided by NOMEX® mean that those who rely on it are safe and protected from the hazards they face on the job every day. It is that knowledge and sense of security that enables them to concentrate on the task at hand, and to make a substantial contribution to things that are important in our every day lives.

Advanced thermal technology was born more than 30 years ago when Dupont scientists created a fibre with an extraordinary combination of high-performance heat and flame resistant properties as well as superior textile characteristics. The high level of protection synonymous with NOMEX® fibres is engineered into their molecular structure. It does not come from chemical treatment. This means that the heat and flame resistance of garments made of NOMEX® is inherent and permanent, and does not wear or wash out. You can count on the protective performance of NOMEX® to last the life of a garment.

Professionals all around the world count on their skills and savvy to prevail in the face of danger. That's why fire-fighters rely on NOMEX® as the vital link between what is possible and what is accomplished in essential thermal protection.

Southcombe Brothers use NOMEX® yarns in the cuffing materials and the sewing threads of their gloves to provide users with the very best in hand protection

NOMEX® enables you to perform when the heat is on.

VILOFT®

Viloft is fibre which is not only breathable but also offers excellent moisture management properties - moisture is transported away from the skin by the capillary action of the fibre - keeping the wearer fresh and dry.

Southcombe Brothers use Viloft® yarns in their seamless knitted linings to actively move moisture away from the hands

FINEST WORKMANSHIP COMBINED WITH QUALITY MATERIALS



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From a traditional craft industry to unique hi-tech leathers, Southcombe Brothers has specialised in quality glove making since 1847.

Our business thrives on new developments in glove-making.

Test/Property	Method/Standard	Min Requirements for EN 659:2003	Firemaster Ultra EN 659:2003	Firemaster 4 EN 659:2003	Firemaster 3 EN 659:2003	Firemaster 2 EN 659:2003	Firemax EN 659:2003	Firestar EN 659:2003	Wildland EN 659:2003	Non-structural EN 388:1994	Taskmaster Debris EN 388:1994
Abrasion	EN 388:1994	3	3	3	3	3	3	3	3	4	3
Blade Cut	EN 388:1994	2	5	4	4	2	2	3	5	5	5
Tear Resistance	EN 388:1994	3	4	4	4	3	4	4	4	4	4
Puncture Resistance	EN 388:1994	3	4	4	4	3	4	4	3	3	3
Burning Behaviour	EN 407:1994	4	4	4	4	4	4	4	4	4	4
Contact Heat	EN 702:1994	2	2	2	2	2	2	2	2	2	1
Convective Heat	EN 367:1992	3	4	4	4	4	4	4	4	4	4
Radiant Heat	EN 366:1993	1 (>18 secs)	2	2	2	2	2	2	1	1	1
Heat Resistance of the lining material	EN 659:2003	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
Sizing & Dexterity	EN 420:1994	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
Water Permeability	EN 344:1992	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
Seam breaking strength	ISO 5082:1982	Pass (> 3.50N)	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
Time for Removal	EN 659:2003	Pass (< 3 secs)	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
Whole Glove Integrity	ISO 15383	Pass (no leaks)	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
Resistance to Liquid Chemical Penetration	EN 366:1992	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass

WARNING No gloves can offer absolute protection, even when new and their protective performance will decline with wear, tear, abrasion and other damage associated with use. Conditions of use are outside of our control. Only wear a glove of the correct size. Inspect the glove for damage before use. Never wear a damaged glove, particularly when the leather outer shell has been pierced. Southcombe Brothers makes no guarantee of how the products will perform in actual use.



Southcombe Brothers Ltd
specialist glove suppliers since 1847

FIRE

PYROHIDE®

A unique collection of gloves designed specifically to meet the challenges that face fire-fighters. Hand-crafted from the highest quality protective materials such as PYROHIDE®, a world class fire, chemical and water resistant grain leather unique to Southcombe Brothers, Gore® membranes including CROSSTECH®, and NOMEX® and KEVLAR® yarns from Dupont. The Firemaster range has secured its place as the market leader for fire gloves accredited to EN659.



BS EN ISO 9001 Certificate No. 0871



...FOR OUR INNOVATIVE GLOVES



FIREMASTER ULTRA®

Quite simply this glove is a revolution in fire glove technology scoring high in levels of protection, comfort and dexterity. It is gauntlet length and has a unique curved finger design with roll tip finger tops which are re-inforced with strategically located highly abrasion and cut resistant coated KEVLAR® fabric.



- **PYROHIDE®** grain leather
- Increased heat resistance
- Gauntlet length
- Unique registered curved finger design with roll tip finger tops
- Abrasion resistant Silicon coated KEVLAR® re-enforcement patches
- NOMEX®/KEVLAR® knitted wristlet cuff
- **CROSSTECH®** pathogen resistant membrane
- Seamless knitted lining made from KEVLAR® with glass-fibre core
- Reflective Scotchlite binding
- Manufactured to EN659 (2003 edition)

COMPONENTS:

OUTER: 100% PYROHIDE® leather
INTERLINING: CROSSTECH® membrane
LINING: 100% KEVLAR® with glass-fibre
CUFF: 50% KEVLAR®/50% NOMEX®
THREAD: 100% NOMEX®
TRIM : Scotchlite Reflective Tape
PATCHES : 100% Silicone coated KEVLAR®

COLOURS:

Lime Green or Brown  

SIZE RANGE:

XXS (6) XS (7) S (8) M (9) L (10)
XL (11) XXL (12)

PATENTS:

The design is registered under Uk Registered Design Application No. 3010833 - Firemaster Ultra Gloves.

FIREMASTER IV®

Building on the reputation and strengths of the two earlier Firemaster models, this glove is the first design in the range to move away from the more basic gunn pattern of its predecessors. It is made in a full inseam design with curved fingers offering higher levels of fit and comfort as well as protection.



- **PYROHIDE®** grain leather
- Increased heat resistance
- Curved finger full inseam design
- Full leather palm patch
- NOMEX®/KEVLAR® knitted wristlet cuff
- **CROSSTECH®** pathogen resistant membrane
- Seamless knitted lining made from KEVLAR® with glass-fibre core
- Manufactured to EN659 (2003 edition)

COMPONENTS:

OUTER: 100% PYROHIDE® leather
INTERLINING: CROSSTECH® membrane
LINING: 100% KEVLAR® with glass-fibre
CUFF: 50% KEVLAR®/50% NOMEX®
THREAD: 100% NOMEX®

COLOURS:

Lime Green 

SIZE RANGE:

XXS (6) XS (7) S (8) M (9) L (10)
XL (11) XXL (12)
Bespoke sizes available

FIREMASTER III®

Bringing additional product benefits to the fire glove market, this model was the first to have our seamless knitted lining made from a KEVLAR® yarn with a glass-fibre core providing the wearer with high levels of cut resistant protection. It was also the first glove in our range to include KEVLAR® as well as NOMEX® in the wristlet cuff.



- **PYROHIDE®** grain leather
- Gunn pattern
- Leather palm patch
- NOMEX®/KEVLAR® knitted wristlet cuff
- **CROSSTECH®** pathogen resistant membrane
- Seamless knitted lining made from KEVLAR® with glass-fibre core
- Manufactured to EN659 (2003 edition)

COMPONENTS:

OUTER: 100% PYROHIDE® leather
INTERLINING: CROSSTECH® membrane
LINING: 100% KEVLAR® with glass-fibre
CUFF: 50% KEVLAR®/50% NOMEX®
THREAD: 100% NOMEX®

COLOURS:

Lime Green 

SIZE RANGE:

XXS (6) XS (7) S (8) M (9) L (10)
XL (11) XXL (12)
Bespoke sizes available

FIREMASTER II®

The benchmark by which all EN 659 accredited gloves are now measured, this model was launched in 1997 and still outperforms most products currently on the market. Protective and yet highly dexterous, it offers a total glove solution to fire brigades looking for both quality and value for money.



- **PYROHIDE®** grain leather
- Gunn pattern
- Leather palm patch
- NOMEX® knitted wristlet cuff
- **CROSSTECH®** pathogen resistant membrane
- Full cut and sew lining made from a brushed KEVLAR® and cotton blend
- Manufactured to EN659 (2003 edition)

COMPONENTS:

OUTER: 100% PYROHIDE® leather
INTERLINING: CROSSTECH® membrane
LINING: 65% KEVLAR®, 35% cotton
CUFF: 100% NOMEX®
THREAD: 100% NOMEX®

COLOURS:

Lime Green 

SIZE RANGE:

XXS (6) XS (7) S (8) M (9) L (10)
XL (11) XXL (12)
Bespoke sizes available

FIREMAX™

Designed specifically for high levels of dexterity, this glove uses strategically located coated KEVLAR® fabric to provide the wearer with additional protection against heat and sharps while at the same time helping to extend the life expectancy of the glove.



- **PYROHIDE®** grain leather
- Gunn pattern
- Abrasion resistant silicone coated KEVLAR® re-enforcement patches
- NOMEX®/KEVLAR® knitted wristlet cuff
- **GORE-TEX®** MVP membrane
- Full cut and sew lining made from KEVLAR®
- Manufactured to EN659 (2003 edition)

COMPONENTS:

OUTER: 100% PYROHIDE® leather
INTERLINING: GORE-TEX® MVP membrane
LINING: 100% KEVLAR®
CUFF: 50% KEVLAR®/50% NOMEX®
THREAD: 100% NOMEX®
PATCHES : 100% Silicone coated KEVLAR®

COLOURS:

Black 

SIZE RANGE:

XS (7) S (8) M (9) L (10) XL (11)

FIRESTAR®

Our entry model with a GORE-TEX® Moisture Vapour Permeable (MVP) membrane carrying many benefits of the higher specked designs in our range but at a competitive price, the Firestar is intended to be used across the wide range of tasks performed by the modern fire-fighter.



- **PYROHIDE®** grain leather
- Gunn pattern
- Suede leather palm patch
- NOMEX®/KEVLAR® knitted wristlet cuff
- **GORE-TEX®** MVP membrane
- Seamless knitted lining made from KEVLAR® with glass-fibre core
- Manufactured to EN659 (2003 edition)

COMPONENTS:

OUTER: 100% PYROHIDE® leather
INTERLINING: GORE-TEX® MVP membrane
LINING: 100% KEVLAR® with glass-fibre
CUFF: 50% KEVLAR® / 50% NOMEX®
THREAD: 100% NOMEX®

COLOURS:

Gold 

SIZE RANGE:

XS (7) S (8) M (9) L (10) XL (11)
Bespoke sizes available

FIREMASTER WILDLAND GLOVE®

Designed specifically for open moor land and wildland fire fighting duties, this glove is light weight yet protective and conforms to the EN 659 (2003 edition) standard for fire gloves. Our model has a NOMEX® Delta TA fabric back and a PYROHIDE® leather palm with a wristlet cuff and a seamless knitted KEVLAR® lining.



- **PYROHIDE®** grain leather palm
- NOMEX® Delta TA fabric back
- Internal KEVLAR® knuckle patch
- NOMEX®/KEVLAR® knitted wristlet cuff
- KEVLAR® cut resistant knuckle patch
- Seamless knitted lining made from KEVLAR® with glass-fibre core
- Manufactured to EN659 (2003 edition)

COMPONENTS:

OUTER PALM: 100% PYROHIDE® leather
OUTER BACK: 100% NOMEX® Delta TA
LINING: 100% KEVLAR® with glass-fibre
CUFF: 50% KEVLAR® / 50% NOMEX®
THREAD: 100% NOMEX®

COLOURS:

Lime Green/Navy Blue  

SIZE RANGE:

XS (7) S (8) M (9) L (10) XL (11)

FIREMASTER NON - STRUCTURAL GLOVE®

Designed to be hard wearing and protect the wearer from cuts and abrasions, yet at the same time providing high levels of touch sensitivity, dexterity and comfort, this glove is ideal for search and rescue operations, extrications and site clearance. It must not be worn for structural fire-fighting.



- **PYROHIDE®** grain leather palm
- Hard wearing cotton or leather back
- Curved finger full inseam design
- Abrasion resistant silicone coated KEVLAR® re-enforcement patches
- Acrylic knitted wristlet cuff
- Seamless knitted lining made from KEVLAR® with glass-fibre core
- Manufactured to EN 388 (1994 edition)

COMPONENTS:

OUTER PALM: 100% PYROHIDE® leather
OUTER BACK: 100% cotton / leather
LINING: 100% KEVLAR® with glass-fibre
CUFF: 100% Acrylic
THREAD: 100% cotton
PATCHES : 100% Silicone coated KEVLAR®

COLOURS:

Lime Green/Black  

SIZE RANGE:

XS (7) S (8) M (9) L (10) XL (11)

TASKMASTER DEBRIS GLOVE™

Used by many brigades for MVA's and general debris clearance, this design comes with a PYROHIDE® palm and a seamless knitted lining made from a KEVLAR® yarn with a glass-fibre core providing the wearer with high levels of cut resistant protection as well as abrasion resistance.



- **PYROHIDE®** grain leather palm
- Hard wearing cotton fabric back
- Gunn pattern
- Acrylic knitted wristlet cuff
- Seamless knitted lining made from KEVLAR® with glass-fibre core
- Manufactured to EN 388 (1994 edition)

COMPONENTS:

OUTER PALM: 100% PYROHIDE® leather
OUTER BACK: 100% cotton
LINING: 100% KEVLAR® with glass-fibre
CUFF: 100% Acrylic
THREAD: 100% cotton

COLOURS:

Lime Green/Blue  

SIZE RANGE:

S (8) M (9) L (10) XL (11)

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Southcombe Brothers Ltd. claim industrial design rights over the combination of materials used and the patterns for their products.

Southcombe Brothers Ltd. reserve the right to alter the design and combination of materials used within the EN 659 (2003 edition) accreditation without notice.

OUR TECHNICALLY ADVANCED RANGE OF FIRE GLOVES