



## XFLEX STRUCTURAL FIREFIGHTING ENSEMBLE

XFlex is MSA Bristol's premium lightweight structural firefighting ensemble.

Ergonomically designed, the XFlex focuses on delivering maximum comfort for a vast range of male and female body types.

XFlex has distinctive sporting style which allows the ensemble to move with the firefighter attracting less resistance resulting in greater flexibility and less energy expenditure.

### JACKET

- A. Tapered body shape.
- B. Waist hem curved up at front and down at back delivering optimum coverage and overlap where needed.
- C. Shoulder yoke shaped for comfort, especially while wearing breathing apparatus.
- D. Under arm gussets paired with unique shoulder shape allow for full rotational arm movement.
- E. Double zip flap extends to neck with internal zip guard to protect throat.
- F. Stiff standalone collar providing full protection for the neck and throat with soft knitted inner collar.

G. Ergonomic 3D articulated elbow for greater flexion. SECURISKIN for increased abrasion resistance and durability

H. Hem of sleeve curved over back of hand for additional protection.

I. Deep return ensures gloves interface well inside the sleeve. Includes internal thumb loops.

J. Two large landscape pockets with drain holes, radio pocket, a pen pocket, torch holder and a hidden vertical pocket under zip flap.

K. American Specification 3M perforated triple trim with Trim Saver.

L. Inspection port with zip closure.

M. Hanging loop for storage.

N. Large logo / service branding area on the back of the jacket.

### TROUSERS

- O. Natural waistline at front with high curved back.
- P. Centrally placed double zip including hook and loop with press stud fastener.
- Q. Removable "H" pattern braces with unique webbing slide adjuster.
- R. Fully articulated, 3D knee shaping greater movement. SECURISKIN coating delivers durability and protection.

S. Large twin action pleat cargo pockets with drain holes.

T. American Specification 3M perforated triple trim with Trim Saver.

U. Extra large inspection port with zip closure.

V. Telescopic trouser cuff to minimise convective heat flow up the leg.

W. Leg opening designed for ease of donning.

X. Hanger loop for easy storage.

#### PRODUCT SPECIFICATIONS

|               |  |
|---------------|--|
| APPLICATION   | Structural Firefighting                                    |
| SIZES         | 28 Male   28 Female<br>Made to measure sizes are available |
| CERTIFICATION | AS 4967:2019   |

## CUSTOMISED TO MEET YOUR NEEDS

Pac Fire's standard XFlex ensemble comes with a Nomex 360™ outershell and GORE® PARALLON™ 600 moisture management system.

The XFlex design is completely customisable to meet a specific person or agencies requirements. Lead times will apply for these garments due to the highly customisable nature of XFlex.

## OUTERSHELL FABRIC NOMEX 360™

Nomex 360™ delivers comfort, mobility and protection while being durable. Filament Twill Technology, Nomex 360™ spun yarns and DuPont™ Kevlar® filament, ensure fabric strength and flexibility after direct flame exposure.

COMPOSITION: 73% Kevlar®, 14% Nomex®, 12% PBO, 1% Antistat  
WEIGHT: 170gsm  
DEVELOPED BY: Safety Components

## MOISTURE BARRIER GORE® PARALLON™ SYSTEM 600

The GORE® PARALLON™ quick dry system has been developed to mitigate the risks associated with moisture and heat stress by introducing a unique solution that incorporates a highly breathable Gore thermal barrier combined with a CROSSTECH® Moisture barrier.

This is a unique use of two membranes encapsulating a layer of thermal protection that maintains breathability while wicking moisture away from the skin and out through the ensemble, simultaneously preventing liquid penetration from the outside.

### PARTICULATE PROTECTION

GORE® have tested the PARALLON™ System against NFPA 1971 Edition 2018 particle penetration testing modified ASTM2299. Testing suggests a 99.9% efficiency in blocking potentially harmful particles from 0,10 to 1,0 µm as delivered and after 5 HLC according to ISO 6330 6N +F.

### BLOOD AND BODILY FLUID PROTECTION

PARALLON™ System provides 99.9% protection against harmful blood borne pathogen and viral penetration. PARALLON™ has been tested in accordance with ISO 16604/ASTM F 1671, procedure C, SOP-12-013. For this certification the laminate is tested for its resistance to blood borne pathogens using the bacteriophage PHI-X174 (same size as the smallest of the most dangerous pathogens).

Composition: Face / fabric 100% Aramid & content, 70% Aramid, 30% FR Viscom membrane based on EPTFE  
Weight: 370gsm  
Supplier: W. L. Gore & Associates, Inc.

## 3M™ FIRE COAT PERFORATED TRIPLE TRIM

3M Perforated Fire Coat Trim is designed to enhance the visibility of the firefighter in low-light conditions, particularly at night time, when illuminated by a light source such as vehicle headlights. The reflective surface is composed of wide angle, exposed retroreflective lenses integrally centered on a fluorescent lime yellow background and bonded with a polymer to a flame resistant, durable Aramid backing. 3M Perforated Fire Coat Trim is perforated by Reflective Fabrications Australia, known globally for their patented advanced perforation process and has good abrasion resistance.

Backing Film: Aramid  
Brightness: 500RA  
Supplier: 3M™

