



PROOF - FT PROTECTIVE LINE ENDURANCE PBI MATRIX

Article No.:

Jacket - 47114FT156 / Trouser - 53114FT156

Proof® fire fighting suits engineered not only to give maximum protection and durability with less stress and less fatigue. Designed to give way the human body moves, enabling you to push the limits of performance without restriction.

Proof Endurance PBI MATRIX meets CE Category III, EN 469:2005, EN 1149-5:2006, EN 342:2004 and EN 343:2004.



NAVY BLUE

BLACK

GOLD

URSPEC®



- Higher Mechanical Parameters
- High Heat Resistance
- Light material composition – High Comfort
- Tested on PYRO-MAN mannequin in USA (annex C complies with EN 469:2005)

CONSTRUCTION

Outer Layer: PBI MATRIX™ 205 g/m² - PETROGUARD

- Heat and Flame Resistant as well as abrasion resistant.
- Suitable for wet, dry, hot and cold conditions.

Moisture Barrier: GORE-TEX FIRE BLOCKER N, 140 g/m²

- Woven, knit, spunbonded or needlepunched substrates coated or laminated with Neoprene or Polytetrafluoroethylene (PTFE).
- Prevents water penetration and keeps fire fighters dry.

Thermal Barrier Layer: NOMEX® Comfort Grid 200 g/m² - SOFIDRY®

- Provides the main protection against the heat.

Reflective Trim: 3M™ Scotchlite™ reflective tape.

INTERNATIONAL STANDARDS

CE
1023



EN 469:2005/A1:2006



EN 1149-5:2008



EN 342:2004



EN 343:2003
+A1:2007

Complete Suit Meets EN 469 Standards

The performance requirements for clothing conforming to this standard include:

- Flame Spread (tested to ISO 15025)
- Convective Heat (tested to EN 367)
- Heat Resistance, (tested to ISO 17493:2000)
- Radiant Heat, (tested to ISO 6942)
- General performance requirements including tensile and tear strength, water repellence, dimensional stability, resistance to chemicals.

SIZES: Small to 4XL



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PROOF®

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JACKET STYLE & DESIGN

1. Two lower front slant pockets velcro closure
2. One chest pocket with flap velcro closure
3. Inset center pocket
4. Inside pocket
5. Hanging Throat Tab
6. Loops on chest and in the upper chest pockets
7. Elasticized wristlets with thumb loop
8. Inside zip & Velcro storm flap closure
9. Hanging loop
10. Reinforced shoulders
11. FR Reflective Tapes



PPE CUSTOMIZATION PROGRAM



EN 471

Hi-Vis Reflective Striping



Logo placement option
Embroidery/Printed

SIZES: Small to 4XL

INTERNATIONAL STANDARDS



EN 469:2005/A1:2006



EN 1149-5:2008



EN 342:2004



EN 343:2003
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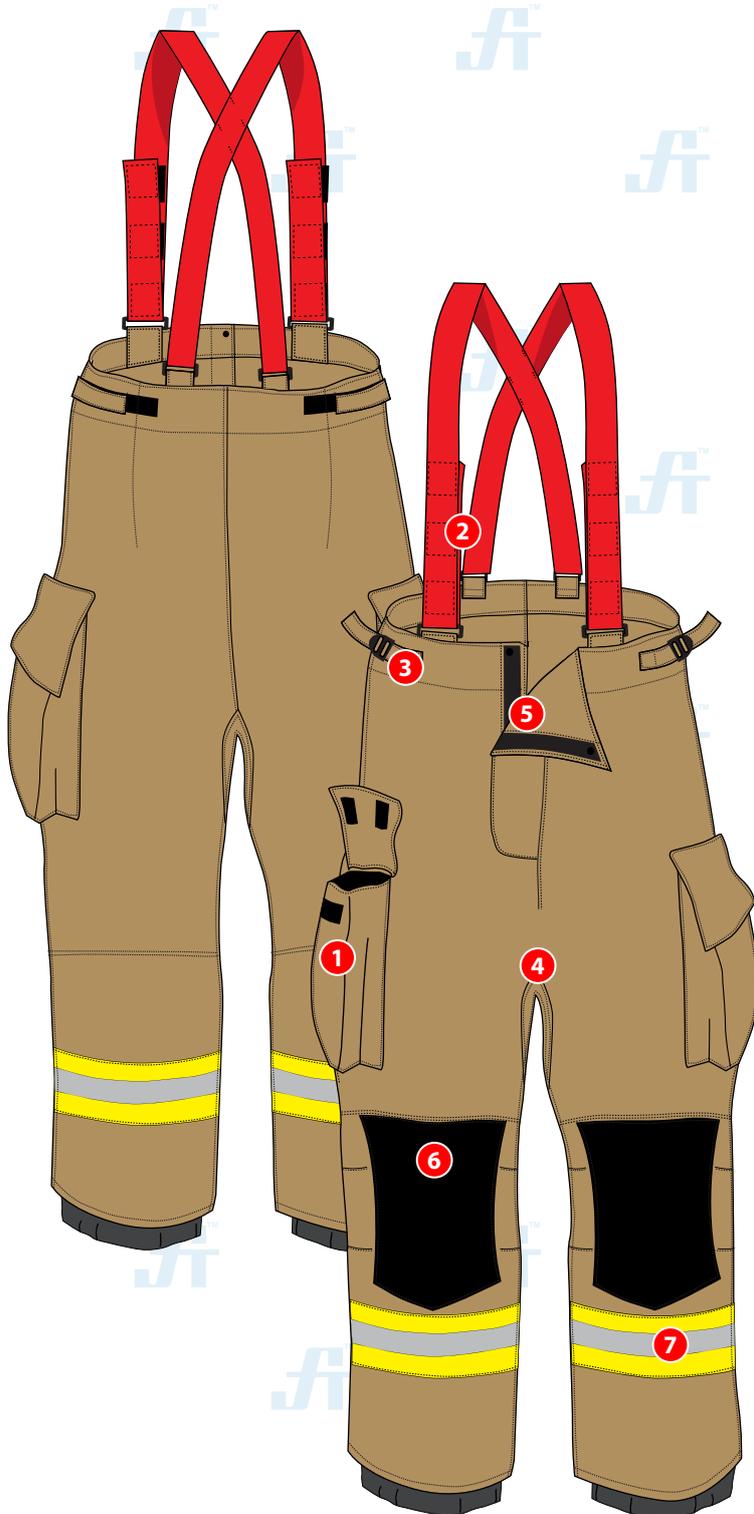
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PANT STYLE & DESIGN

1. Two side cargo pockets
2. Heavy duty elasticized cross suspender
3. Take up strap with Velcro for waist adjustments
4. Crotch gusset to increase movement
5. Velcro over flap with snap button closure
6. Reinforced knees
7. FR Reflective tapes

PPE CUSTOMIZATION PROGRAM



EN 471
Hi-Vis Reflective Striping

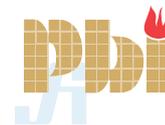


Logo placement option
Embroidery/Printed

SIZES: Small to 4XL

INTERNATIONAL STANDARDS

 1023	 EN 469:2005/A1:2006	 EN 1149-5:2008	 EN 342:AC:2008	 EN 343:2004 +A1:2008/AC:2010
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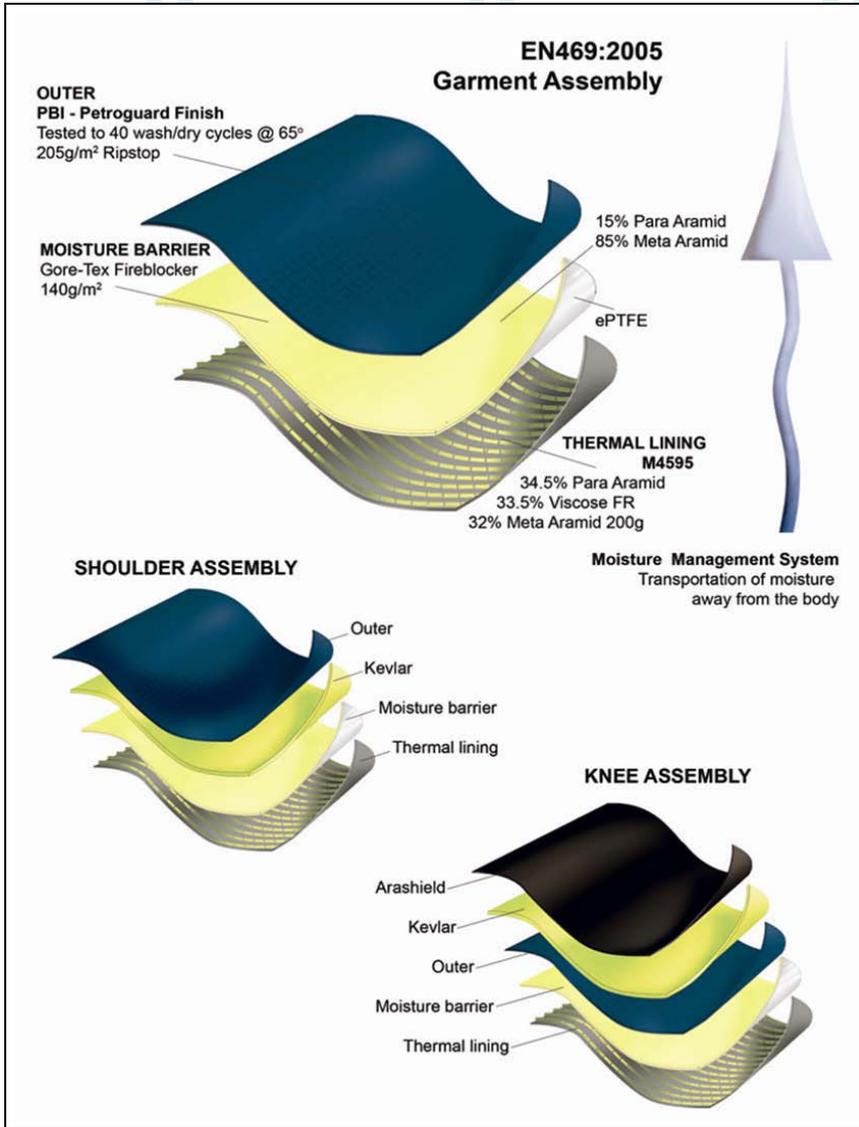




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It is DuPont™ programme for European partners of the company who fulfil the highest quality of products when Nomex® materials are used. Products which meet the defined technical parameters, high standard for customers, are authorized to use the logo and label. This system includes produces of fibre, spinners, weavers and garment producers.



It is an outer shell from the company PBI Performance Products, INC. This product is made of approx. 58% of aramid fibre, 40% of PBI and 2% of antistatic fibre. PBI Matrix® uses inwrought grid with aramid filaments. It is characteristic for its extremely high mechanical parameters and very good heat resistance and stability. It is mainly used for outershell of intervention garments for firefighters.



It is breathable membrane on the base of PTFE produced by the company W.L. GORE which mainly ensures water and resistance. It is mechanically and chemically resistant, with lower flammability, comfortable in all extreme situations. It is mainly used in firefighter's garments and garments for industrial workers.

Assembly performance table after 40 wash/dry cycle @ 60°C			
Heat transfer - radiation	HTI ₂₄ = 22	HTI ₂₄ - 12=7.5	Level 2
Heat transfer - flame	RHTI ₂₄ = 19.4	RHTI ₂₄ - 12=5.6	Level 2
Water vapour resistance	Ret = 18.3m ² ,Pa/W		Level 2
Resistnace to water penetration (moisture barrier and seams)	Level 2		
Resistnace to penetration by liquid chemicals	Chemicals	Penetration	Repellency
	40% NaOH	Nil	99.7%
	36% HCl	Nil	98.4%
	30% H ₂ SO ₄	Nil	99.1%
	100% o-xylene	Nil	93.2%
Total weight	545gm ²		

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