



**Fire fighter coat and pants producing according to EN 469: 2005 the newest edition compliant and CE certified.**

1. Total weight of L-size will less than 3.50kgs (S, M, L, XL,XXL)
2. Color: Navy blue
3. Three layers materials design.
  - Outer fabric : Nomex IIIA, 200g/sqm, twill weave
  - Moisture Barrier: FR non woven Nomex/Kevlar coated PTFE membrane
  - Thermal Barrier: FR non woven Nomex/ Kevlar quilted to FR face cloth
4. Sewing thread: all sewing thread is Nomex thread.
5. Reflective tapes: 3M 9587# & 8935#

#### **Fire-coat:**

Out looking:

1. Closer design system: Emergency Escape Brass Centralized zipper with Velcro fastener to cover closely, storm flap width is more than 4 inch and length is more than 25 inch.
2. Pockets:
  - (1) Two patched pockets in front of bottom of coat, open up-ward, length and width is more than 25cmX21cm, flap cover on opening with Velcro fastener, and four corner is bar tacked as reinforcement stress point, 2 drainages on bottom.
  - (2) Two radio (transceiver pocket) pocket on the left and right of breast coat, dimensional size: 20cm (high) X 9cm (wide) X 6cm (thickness). Drainage on bottom corner, toward up opening covered with flap and sewed with Velcro length more than 60mm from bottom for adjustment purpose.
3. One concealed paper pockets under storm flap.
  - (1) One left inside pocket, opening 170mm±3%, inside with hang.

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4. Collar: Same materials as coat, and the collar can turn up and down. When collar turn up, Velcro on the throat protection can adjust the size. Hang loop in central coat with reinforcement bar-tacked sticking.
5. Wristband: Wristlet is fire-resistant material and fire-resistant elastic band and design in thumb hole in order to guarantee full wrists cover when arms raise over his hand.
6. Armpit at underarm: When arms raise up, the wrists will not fall down.
7. Bar-tacked stitches: Throat strap, collar protection, pocket, rack hoop are all stress point as reinforcement.
8. Total coat length: From collar to bottom coat, above 79cm and below 93 cm. (S-XXL)
9. Reflective tape: One roll of 2" 9587# (yellow/silver/yellow) tape hammed on front /back chest ; 2 rows on bottom of coat running over the down pockets ; one row on sleeves ; one vertical line on the central flap .  
Two verticals and one horizontal 2" 8935# (Silver) hammed on back of coat.
10. Water in current resistance design in the cuff.
11. Reinforcement of Neoprene Kevlar on shoulder, elbows, and cuffs.
12. Removable Outer shell Design.

## Fire over trouser

### Out looking

1. Suspender: Adjustable and Elastic waist over trouser with two cross stretch suspenders including adjustment accessories.
2. Centralized zipper in front pant and cover with storm flap with Velcro as protection
3. Pockets:
  - a) Two bellow pockets on the out-trouser with Velcro fastener and drainages on bottom at size of 21cmX17cmX3.5cm with cover flap.
  - b) One inside pocket on the inner of the trousers.
4. Knees pads made of neoprene Kevlar applied on trouser legs .
5. Waterproof material applied in bottom of inner lining to against water penetration from down to top is a fire-resistant material.
6. Reflective tape: Single roll 2" 3M' 9587# (Yellow/Silver/yellow) hammed around bottom of pant.
7. Zipper leg with reflective tape for Immobile outer shell design only.
8. Rip-stop fabric Reinforcement on the cuff.

## Performance level of Combination of Model

Parameter	Clause item acc. EN469:2005	Performance level
Heat transfer (flame)	Clause 6.2 and acc. EN367	Level Xf2
Heat transfer (radiation)	Clause 6.3 and acc. EN ISO 6942	Level Xr2
Resistance to water penetration	Clause 6.11 EN 20811	Level Y2
Water vapour resistance	Clause 6.12 EN 31092	Level Z2

size chart for the Fireman Suit (Mid East) (cm)					
	XXL	XL	L	M	S
length of Frock	93	90	87	83	79
chest	144	140	136	132	128
sleeve	66	65	60	56	53
length of trousers	108	106	104	102	100
waist	124	120	116	112	108
inside leg	74	73	72	70	68