

## TECHNICAL SPECIFICATIONS

### FIRE ENTRY SUIT STYLE ALFA 7 EN-1486 TYPE 3 Code 10171

#### PROTECTIVE ALUMINISED OVERALL FOR SPECIALISED ENTRY FIRE FIGHTING (FIRE ENTRY)



P. A.

Aluminised overall with pouch for holding and protection of breathing apparatus. Front fastening by metal zipper protected by flap closed by metal snaps.

Overboots are fixed to leg bottom and provided with adjustable straps and back regulation system by metal snaps; 400 mm. upper with same composition as the overall; soles made by high temperature resistance material covered in the inner part with wool and in the outer part by 100% KEVLAR bouclette.

The overall is composed of following detachable and independently replaceable parts:

**Single piece overall:** Protecting the body from neck to feet hands excluded.

**Hood:** suitable for the combined use of a full-face mask and breathing apparatus, provided with accident prevention helmet according to UNI-EN 397; tempered glass visor externally covered with anti-dazzling gold; under arm-pit elastic braces adjustable by means of press studs.

**Gloves:** Five-finger gloves total length 500mm

approx. with same composition as the overall.

The overall can be supplied with a carrying bag.

This PPE is manufactured with no asbestos or derived substances.

The overall is manufactured with:

- outer layer: aluminised glass fibre fabric (Firetex);
- thermal barrier: 5 layers aramid spun-laced ;
- lining: FR woven fabric.

Available sizes M-L



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## OVERALL PROTECTIVE PERFORMANCE

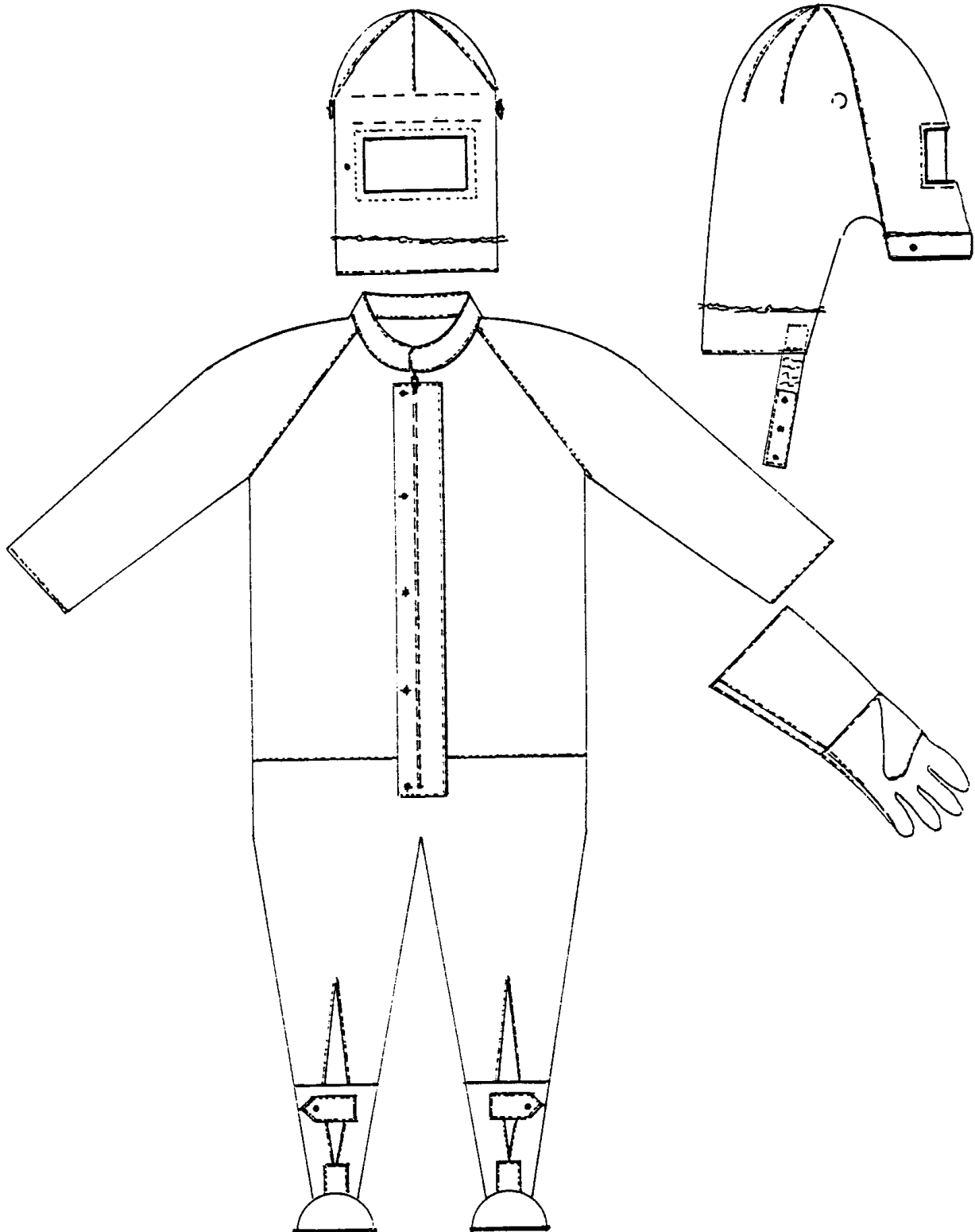
### SUIT

Requirement	Specification	Result	Conformity
Flame propagation EN-532 on assembled	conformity	Inflammability on edges: NO perforation: NO residual parts: NO flame persistence: NO afterglow: NO	<b>conform</b>
Convective heat index HTI (s) EN 367	Type 1 :HTI $\geq$ 4 Type 2 :HTI $\geq$ 13 Type 3 :HTI $\geq$ 21	HTI <sub>24</sub> = 33 seconds	<b>conform</b> <b>TYPE 3</b>
Radiant heat index t <sub>2</sub> (s) at 40 KW EN 366 pre-treatment annex A EN 531	Type 1 : RHTI <sub>24</sub> $\geq$ 30 Type 2 : RHTI <sub>24</sub> $\geq$ 60 Type 3 : RHTI <sub>24</sub> $\geq$ 120	RHTI <sub>24</sub> = 197,9 seconds	<b>conform</b> <b>TYPE 3</b>
Contact heat EN 702	Type 1 : Ze $\geq$ 6 Type 2 : Ze $\geq$ 10 Type 3 : Ze $\geq$ 15	300° C (Delta 10°) = 50 seconds	<b>conform</b> <b>TYPE 3</b>
Resistance to heat (%) EN 469 Annex A	< 5	No melting No hole formation No dripping No catching fire Dimensional stability Alumised fabric = 0% Thermal felt: < 1% length. < 1% width internal lining: < 1 % < 1 %	<b>conform</b>
Resistance to traction (N) ISO 1421	$\geq$ 600	Warp = 4426 N Weft = 2132 N	<b>conform</b>
Resistance to tearing (N) ISO 4674	$\geq$ 25	Warp = 177 N Weft = 212 N	<b>conform</b>
Abrasion ( EN 388 -6.1)	$\geq$ level 2 (500 cycles)	(800 cycles) level 2	<b>conform</b>
Resistance to cutting (EN 388 - 6.2)	$\geq$ level 2	(index 11,7) level 4	<b>conform</b>
Resistance to perforation (EN 388 - 6.4)	$\geq$ level 2 (60 N)	(index 177 N) level 4	<b>conform</b>

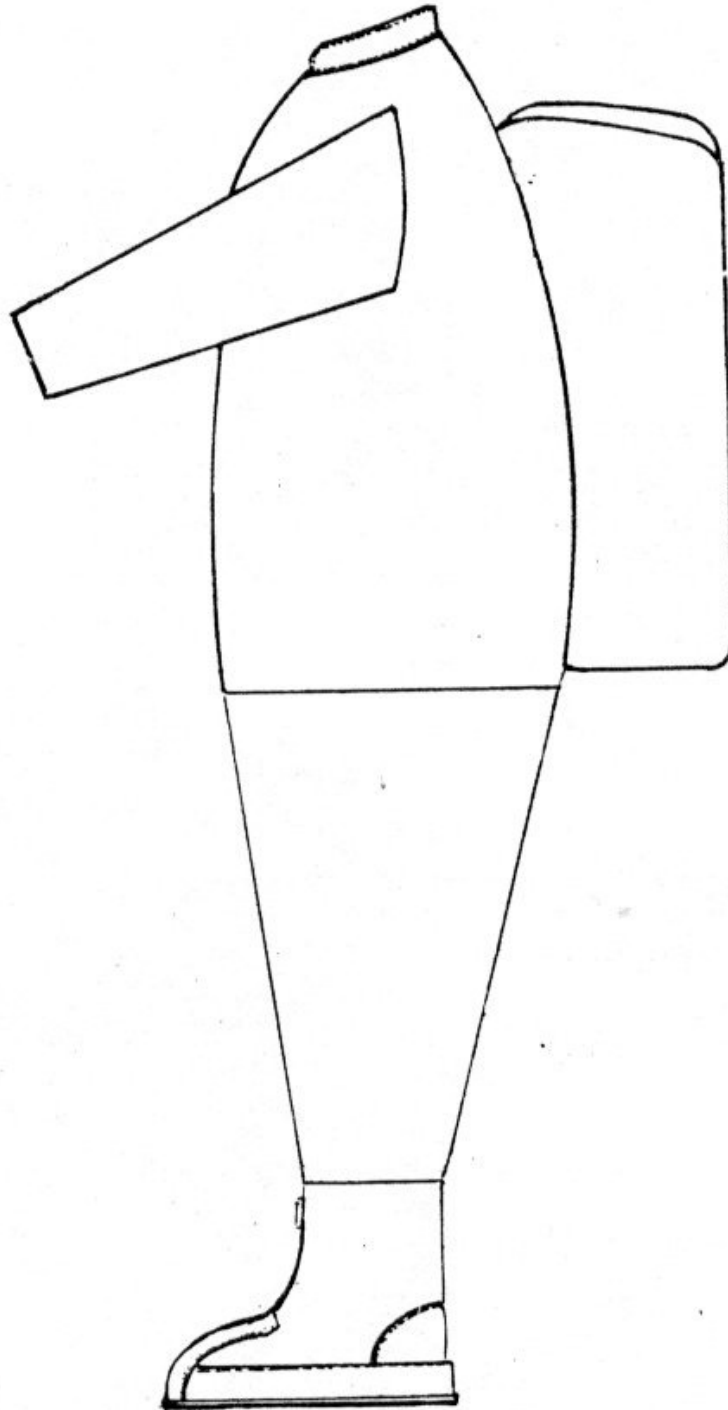
All further features fulfil the minimal requirements according to the technical specification used as reference..

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DRAWINGS



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