TECHNICAL DESCRIPTION PROXIMITY SPECIALISED FIRE-FIGHTING 5- PIECE SUIT EN-1486 TYPE 2 APPROVED

STYLE BETA 5 FIRETEX (identification code 10173)

DESCRIPTION

Aluminised 5 pieces overall, internally lined with wool fabric, Provided with pouch for breathing apparatus containment and protection. Wide shape, frontal opening fastened by press stud buttons covered by flap. Elastication at sleeves and legs bottoms. Trousers provided with adjustable braces and waist elastication. Boots are outlined for maximum confort, wearability and undress provided with frogs for adjustment and clinging. Soles made of high temperature resistance material, internally covered by wool and in the outer part by 100% KEVLAR bouclette. Five fingers gloves with long cuff and split leather reinforcements on the palm.

The hood has wide shape and allows use of mask and breathing apparatus. It is composed of an adjustable inner safety helmet according to UNI-EN 397 (-20°C / 440 Vac class) and a golden, antidazzle visor, thickness 5 mm. Elasticated armpit braces closed by press studs buttons are provided in three positions for hood proper setting. The overall is provided with carrying bag. The garment is manufactured in absolute absence of asbestos fibres. The overall outer layer is made of aluminised FIRETEX fibre glass fabric and lined with a wool fabric granting comfort during intervention.

The overall is a 3rd category safety equipment and CE approved on the base of EN 1486 Type 2 standards as proximity specialised fire-fighting suit.

The overall is available in S-M-L size.

Spare parts to be supplied separately on demand:

- COAT style BETA 5 FIRETEX code 10219
- TROUSERS style BETA 5 FIRETEX code 10220
- HOOD style BETA 5 FIRETEX code 1022100
- FOOTWEAR style BETA 5 FIRETEX code 1022200
- GLOVES code 1017200



ABRIDGED TECHNICAL DESCRIPTION

BETA-5 FIRETEX coverall, provided with **EC marking** showing the approval to sale according to Law Decree 475 dated 04/12/1992, in the accomplishment of the Council directive 89/686/CEE, **identified as 3rd category PPE**, **in conformity with technical specifications EN-1486 TYPE 2 for proximity fire-fighting interventions**.

PERFORMANCES OFFERED BY THE PPE

SUIT:

Requirement	Specification	Result	Conformity
Flame spreading EN-532 on assembled	conformity	Inflammability on edges: NO perforation: NO residual parts: NO flame persistence: NO afterglow: NO	conform
Convective heat index HTI (s) EN 367	HTI >/= 13	HTI ₂₄ = 14 seconds	conform
Radiant heat index t ₂ (s) at 40 KW EN 366 pre-treatment annex A EN 531	t ₂ >/= 60	t ₂ = 63 seconds	conform
Contact heat EN 702	$t_t > /=10$	300°C (Delta 10°) = 10.5 seconds	conform
Resistance to heat (%) EN 469 Annex A	< 5	No melting No hole formation No dripping No catching fire Dimensional stability Aluminised fabric: +0.7% length -0.0% width insulation felt: -1.5% length -0.0% width internal lining woollen fabric: -3.3% length -2.7% width Leather: -2,9% -2,0 glove palm inner lining: -6.5% -5.3	conform
Tensile strength (N) ISO 1421	>/= 600	Warp = 4131 N Weft = 3099 N	conform
Resistance to tearing (N) ISO 4674	>/=25	Warp = N.D. Weft = 228 N	conform

GLOVE:

Requirement	Result	Conformity EN 1486	Conformity EN 659
Abrasion resistance EN 388	823 cycles (n° of cycle)	Conform	conform
Resistance to cutting EN 388	10.1 on the palm 9.3 on the back	Conform	conform
Tearing strength EN 388	94,4 N (external fabric)	Conform	Conform
Resistance to perforation	269 N	Conform	
(palm)			conform
Dexterity EN 420	-	-	-
Heat transmission through exposition to flame EN 367 (palm)		Conform	Conform
Radiant heat transmission after repeated flexing EN366 (palm)	_	Conform	Conform
Contact heat transmission (palm)	$t_t = 13 \text{ sec.}$	Conform	Conform