

**TECHNICAL SPECIFICATION
PROXIMITY SPECIALISED FIRE-FIGHTING 5- PIECE SUIT
ISO 15538 APPROVED**

STYLE BETA 5 FIRETEX (identification code 10173)

DESCRIPTION

Aluminised five piece overall made up of aluminised fabric FIRETEX, and internally lined with wool fabric.

Jacket : wide shape, frontal snaps fastening, zipper protected by flap, elastic at the bottom sleeves and pouch to hold the breathing apparatus.

Trousers: wide shape, adjustable suspenders, elastic bottom legs and waist.

Booties: shaped to ensure the maximal practicality, adjustable straps for a better fitting to the legs, soles made of stratified material with insulated rubber, external cover made of anti-slipping and anti-cutting KEVLAR® bouclette fabric.

Five fingers gloves long gauntlet style.

Hood: wide shape, usable with full-face mask and delivery system, internal safety helmet according to EN-397 classes –20°C –440 Vac, golden temperate glass visor with a thickness of 5 mm, adjustable elastic suspenders to fix the hood under the shoulders.

The overall is delivered in a practical carry-bag with information notes for use and maintenance.

Asbestos fibres or by-products are not used in the manufacture of the overall.

The overall is externally made up of an aluminised glass fibre fabric called “FIRETEX” and it’s insulated with aramidic felt and internally lined with wool fabric.

Available sizes S-M-L.

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, as per Council directive 89/686/CEE, **identified as 3rd category PPE, in conformity with technical specifications ISO 15538 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 \geq 13	HTI ₂₄ = 16,7 seconds	conform
Radiant heat index t _r (s) at 40 KW ISO 6942 pre-treatment annex A EN 531	RHTI ₂₄ \geq 60	RHTI ₂₄ = 71,2 seconds	conform
Contact heat EN 702	t _i \geq 10	300° C (Delta 10°) = 13.5 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% insulation felt: < 1% length < 1% width internal lining: < 1% length < 1% width	conform
Tensile strength (N) ISO 1421	\geq 600	Warp = 4426 N Weft = 2132 N	conform
Resistance to tearing (N) ISO 4674	\geq 25	Warp = 177 N Weft = 212 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 (palm)	269 N	Conform	conform
Dexterity EN 420	-	-	-
Heat transmission through exposition to flame EN 367 (palm)	HTI ₁₂ = 17 sec. HTI ₂₄ = 22 sec.	Conform	Conform
Radiant heat transmission after repeated flexing EN366 (palm)	t ₂ = 93 sec.	Conform	Conform
Contact heat transmission (palm)	t _t = 13 sec.	Conform	Conform