

**Product catalog
2019**



**PROTECTIVE CLOTHING
ALUMINIZED**



FILIALE DE FIRECO
EUROMAST
MATS TELESCOPIQUES & MATERIELS INCENDIE



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FABRICS

SAFAL FABRIC (95% meta aramid + 5% para-aramid 350g/m²)

SAFAL fabric is the result of in-depth research and precise studies carried out by our technicians to maximize the performance and comfort of aluminized garments. Designed to facilitate work, SAFAL strikes the right balance between resistance to heat sources, contact with incandescent materials, and mechanical resistance, offering a level of comfort never seen before in aluminized clothing. Its softness and light weight significantly reduce the stress load typically experienced by workers wearing high-protection clothing. Tested for washing at 30°C.

AC370 K PREOX FABRIC (50% para-aramid + 50% preox 485g/m²)

Traditional fabric with excellent mechanical properties and good heat resistance.

SAFAL GREEN FABRIC (50% panox + 50% para-aramid 340 g/m²)

An evolution of the conventional SAFAL fabric. Without losing its core properties, this new fabric offers improved protection against molten metal splashes.

OXISTOP 325 Quilted Fabric

Composite that enhances resistance to convective and radiant heat.

Felt: 100% pre-oxidized, 200g/m².

Lining: 50% aramid and 50% FR viscose, 125g/m².

KEVLAR® FABRIC

100% para-aramid fiber coupled with 100% FR viscose, 750g/m²

BARRIER 845 100% para-aramid fiber coupled with 100% FR viscose, 750g/m²

Composite designed to improve heat resistance, manufactured exclusively for fire entry suits.

OXIFLAME 360 : 3 layers of 100% pre-oxidized felt, 120g/m²

OXISTOP 485 : 3 layers of 100% pre-oxidized felt, 120g/m² + 1 layer of lining (50% aramid / 50% FR viscose, 125g/m²)

CAPTION



SG

SAFAL FABRIC

P

AC370 K PREOX FABRIC

G

SAFAL GREEN FABRIC

OXI

MATELASSÉ OXISTOP 325 FABRIC

K

KEVLAR® FABRIC

BA

BARRIER 845 FABRIC QUILTED



Manufacturer →

Item code →

Composition →

Size →

Body measurements →
UNI EN 340



REA.BS-461249

SAFCO ITALIA S.R.L

Via Benedetto Castelli, 43
25064 Gussago BS

R. 17/010/024

C € 0624

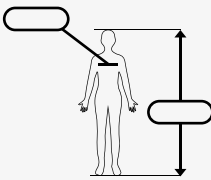
DPI DI III CATEGORIA / PPE OF III CATEGORY

GIACCA ST502 SAF

Tessuto alluminizzato: 50% Panox® e 50% para-aramide
Feltro: 100% preossidato
Fodera: 50% aramide e 50% viscosa FR

JACKET ST502 SAF

Fabric: 50% Panox® 50% para-aramide
Felt: 100% preox
Inner layer: 50% aramid - 50% viscose FR



L



A1-B2-C4-D3-E3-F2
UNI EN ISO 11612:2015



MADE IN ITALY

← Batch code

← CE marking and notified body for surveillance

← PPE protection category

← Pictogram

← Levels of protection

← Maintenance symbol

EPI-	Protection	Performance
A	Limited flame spread	A1-A2
B	Convective heat	B1-B3
C	Radiant heat	C1-C4
D	Large splashes of molten aluminum	D1-D3
E	Large splashes of molten iron	E1-E3
F	Contact heat	F1-F3



INDUSTRIAL CLOTHING EN 11612

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EN ISO 11612

HEAT AND FLAME PROTECTIVE CLOTHING

The objective of the standard is to provide minimum performance requirements for protective clothing against heat and flame that can be used for a wide range of work activities.

Many of the hazards are classified into three performance levels.

Level 1

To indicate exposure to a risk perceived as low.

Level 2

To indicate exposure to a risk perceived as medium.

Level 3

To indicate exposure to a risk perceived as high.

The level of personal protection to be provided depends on the outcome of the risk assessment, the employer's responsibility, and not on a manufacturing standard. The assessment must be carried out before the purchase decision is made. The type and level of protection of the clothing chosen should be based on the results of a risk assessment.

PURPOSE AND SCOPE OF APPLICATION

The standard specifies performance requirements for clothing that protects the body, except for the hands, from heat and fire. The standard applies to gaiters, hoods/helmets, and overshoes.

The requirements apply to clothing that can be worn for a wide range of end uses, where clothing with limited flame spread properties is required and where the user may be exposed to convective heat, radiant heat, contact heat, or molten metal splashes.

PERFORMANCE REQUIREMENTS FOR HEAT TRANSFER

GENERAL INFORMATION

For all uses, the minimum performance requirement must be at least one of the letters of the thermal transmission performance code, i.e., code letter B, code letter C, code letter D, code letter E, or code letter F, in addition to the mandatory minimum performance requirements of Section 6. The application of the performance requirements of this clause will be relevant depending on the manufacturer's intended use for the garment.

CONVECTIVE HEAT (CODE LETTER B)

When tested in accordance with ISO 9151, single-layer or multi-layer garments and/or ensembles designed to provide protection against convective heat must meet at least performance level B1 in Table 1. The number of samples specified in ISO 9151 must be tested, and performance must be classified based on the lowest result rounded to 0.1 s.

PERFORMANCE LEVELS: HTI VALUE RANGE (A) 24

SEC.		
	Min.	Max.
B1	4,0	<10,0
B2	10,0	<20,0
B3	20,0	

a) HTI (heat transfer index) as defined in ISO 9151.

RADIANT HEAT (CODE LETTER C)

When tested in accordance with ISO 6942, Method B, at a heat flux density of 20 kW/m², single-layer or multi-layer garments and/or ensembles intended to provide protection against radiant heat must meet at least performance level C1 in Table 2. Tests on metallized materials shall be conducted after the pretreatment specified in Annex A. The number of samples specified in the standard shall be tested, and performance shall be classified based on the lowest individual result rounded to the nearest 0.1 second.

PERFORMANCE LEVELS

RHTI HEAT TRANSFER FACTOR (A) 24

SEC.		
	Min.	Max.
C1	7,0	<20
C2	20,0	<50
C3	50,0	<95
C4	95,0	

a) RHTI (radiant heat transfer index) as defined in ISO 6942.

SPLASHES OF MOLTEN ALUMINUM (CODE LETTER D)

When tested in accordance with ISO 9185 using molten aluminum, clothing and/or sets of clothing with one or more layers, declared suitable for providing protection against molten aluminum splashes, must at least achieve performance level D1 in Table 3.

Note 1 : Labels, badges, hardware, tactile and fastening attachments (such as Velcro), retro-reflective materials, etc. on clothing may affect the performance of the clothing and/or clothing assemblies.

Note 2 : It will normally provide acceptable performance against molten aluminum.

PERFORMANCE LEVELS

MOLTEN ALUMINUM SPLASHES

GR.		
	Min.	Max.
D1	100	<200
D2	200	<350
D3	350	

SPLASHES OF MOLTEN IRON (CODE LETTER E)

Lorsqu'ils sont testés conformément à la norme ISO 9185 en utilisant le fer en fusion, les vêtements à une ou plusieurs couches et/ou les ensembles de vêtements déclarés comme offrant une protection contre les éclaboussures de fer en fusion doivent satisfaire au moins au niveau de performance E1 du tableau 4.

Note 1 : Labels, badges, rigid accessories, hook-and-loop fasteners, retro-reflective materials, etc. on clothing may affect the performance of the clothing and/or clothing assemblies.

Note 2 : Acceptable performance with respect to molten iron normally ensures that a material will be acceptable with respect to molten copper, molten phosphor bronze, and molten brass.

PERFORMANCE LEVELS

MOLTEN IRON SPLASHES

SEC.		
	Min.	Max.
E1	60	<120
E2	120	<200
E3	200	

CONTACT HEAT (CODE LETTER F)

When tested in accordance with ISO 12127 at a temperature of 250 °C, single-layer or multi-layer garments and/or garment ensembles claimed to provide protection against contact heat must meet at least performance level F1 in Table 5. The number of samples specified in the standard must be tested, and performance must be classified based on the lowest individual result rounded to 0.1 s.

PERFORMANCE LEVELS

CONTACT HEAT

SEC.		
	Min.	Max.
F1	5,0	<10,0
F2	10,0	<15,0
F3	15,0	

Optional requirement - Protection against the thermal effects of an electric arc. Annex F provides guidance for users whose risk assessment establishes a requirement for protection against the thermal effects of an electric arc.

ST701 COMPLETE APPROACH SUIT

EPI-80.0106.129 **SG** + **OXI**

EPI-80.0106.104 **P** + **OXI**

Fully insulated set, consisting of:

ST701 full suit designed with back pocket for SCBA - Pocket for breathing apparatus.

Front opening with double internal closure by flap with Velcro® F.R. + protective strip Locked in turn with Velcro® F.R. Back model collar. Wide Korean-style sleeves.

The S111 helmet meets the requirements for use with a full face mask and backpack for SCBA.

SV200 panoramic visor (replaceable) made of polycarbonate certified to EN166, EN136, internally adjustable helmet in accordance with EN 397.

ST701 suits

Available sizes :

M **L** **XL** **XXL**

Fabrics :

SG + **OXI** **P** + **OXI**

Standard compliance : **EN 11612 : 2015**

Levels of protection : **A1B2C4D3E3F2** **SG+OXI**, **A1B2C4D3E3** **P+OXI**

EPI-80.0106.032 **SG+OXI** - EPI-80.0106.029 **P+OXI**

Overshoes S151



Available sizes : ONE SIZE

Fabrics : **SG** + **OXI** **P** + **OXI**

Standard compliance : EN 11612 : 2015

Levels of protection : **A1B2C4D3E3F2** ^{SG+OXI}; **A1B2C4D3E3** ^{P+OXI}

EPI-80.0106.011 ^{SG+OXI} - EPI-80.0106.041 ^{P+OXI}

111 Helmet



Available sizes: ONE SIZE

Fabrics : **SG** + **OXI** **P** + **OXI**

Standard compliance : EN 11612 : 2015

Levels of protection : **A1B2C4D3E3F2** ^{SG+OXI}; **A1B2C4D3E3** ^{P+OXI}

EPI-80.0106.031 ^{SG+OXI} - EPI-80.0106.047 ^{P+OXI}

S50/35 Gloves



Carrying bag / Hard case : Carrying bag / Hard case

Fabrics : **SG** + **OXI**

Standard compliance : EN 420; EN 388; EN 407 III Cat.

Levels of protection : **4443 ; 43334X**

EPI- 80.0301.028 L. 35cm

Carrying bag / Hard case



Size : 50x60x35 cm

EPI-80.0107.011

Size : 75x48x40 cm

Weight : 12,1 Kg

EPI- 80.0107.025

AVAILABLE ON REQUEST,
AT AN ADDITIONAL COST.

FIRE APPROACH SET AM

EPI-80.0106.105

The suit was originally designed for the Italian Air Force.
Aluminized, fully insulated suit consisting of :

Jacket with stand-up collar and Velcro FR collar closure.
Aramid/brass zipper with quick release.

Pants with elastic straps and buckles. Aramid/brass zipper.
Reinforced knees.

S50/35 Gloves



Available sizes : ONE SIZE

Fabrics :

SG + OXI

Standard compliance : EN 420; EN 388; EN 407 III Cat.

Levels of protection : 4443 ; 43334X

EPI- 80.0301.028 L. 35cm

AM Jacket



Available sizes : M L XL XXL

Fabrics : SG + OXI

Standard compliance : EN 11612 : 2015

Levels of protection : A1B2C4D3E3F2

EPI- 80.0106.120 SG + OXI

AM Pants



Available sizes : M L XL XXL

Fabrics : SG + OXI

Standard compliance: EN 11612 : 2015

Levels of protection : A1B2C4D3E3F2

EPI- 80.0106.123 SG + OXI

ST500 COMPLETE SET

EPI-80.0106.130

SG

EPI-80.0106.107

P

Unlined set consisting of :

Jacket with front opening, internal closure with flap secured by Velcro® FR and protective strip also secured by Velcro® FR. Mandarin collar, loose sleeves.

Front flap pants with Velcro® FR closure, adjustable elastic straps, bellows opening at the bottom of the leg closed with Velcro® FR.

ST500 Jacket



ST500 Pants



Available sizes :

M L XL XXL

Fabrics :

SG

P

Standard compliance : EN 11612 : 2015

Levels of protection : A1B1C3D3E3F1^{SG}; A1B1C3E3^P

EPI-80.0106.119^{SG} - EPI-80.0106.057^P

Available size :

M L XL XXL

Fabrics :

SG

P

Standard compliance : EN 11612 : 2015

Levels of protection : A1B1C3D3E3F1^{SG}; A1B1C3E3^P

EPI-80.0106.122^{SG} - EPI-80.0106.021^P

S150 Overboots



Available size : **ONE SIZE**

Fabrics :

SG

P

Standard compliance : **EN 11612 : 2015**

Levels of protection : **A1B1C3D3E3F1^{SG}; A1B1C3E3^P**

EPI-80.0106.012^{SG} - EPI-80.0106.043^P

S100 Helmet



Available size : **ONE SIZE**

Fabrics :

SG

P

Standard compliance : **EN 11612 : 2015**

Levels of protection : **A1B1C3D3E3F1^{SG}; A1B1C3E3^P**

EPI- 80.0106.067^{SG} - EPI- 80.0106.045^P

S50/35 Gloves



Available size : **ONE SIZE**

Fabrics :

SG

+

OXI

Standard compliance : **EN 420; EN 388; EN 407 III Cat.**

Levels of protection : **4443 ; 43334X**

EPI- 80.0301.028 L. 35cm

Carrying bag / Hard case



Dimensions : **50x60x35 cm**

EPI-80.0107.011

Dimensions : **75x48x40 cm**

Weight : **12,1 Kg**

EPI- 80.0107.025

DISPONIBLE SUR DEMANDE,
MOYENNANT UN SUPPLÉMENT.

ST501 COMPREHENSIVE APPROACH

EPI-80.0106.131 **SG** + **OXI** EPI-80.0106.109 **P** + **OXI**

Fully insulated set consisting of :

Jacket with front opening, false internal closure in Velcro® FR and protective strip also closed by Velcro® FR. Mandarin collar, sleeves allowing ease of movement.

Front flap pants with Velcro® FR closure, adjustable elastic straps, folding opening on the lower leg closed with Velcro® FR.

ST501 Jacket



ST501 Pants



Available sizes :

M **L** **XL** **XXL**

Fabrics :

SG + **OXI** **P** + **OXI**

Standard compliance : **EN 11612 : 2015**

Levels of protection : **A1B2C4D3E3F2** **SG+OXI**; **A1B2C4D3E3** **P+OXI**

EPI- 80.0106.118 **SG + OXI** - EPI- 80.0106.058 **P + OXI**

Available sizes :

M **L** **XL** **XXL**

Fabrics :

SG + **OXI** **P** + **OXI**

Standard compliance : **EN 11612 : 2015**

Levels of protection : **A1B2C4D3E3F2** **SG+OXI**; **A1B2C4D3E3** **P+OXI**

EPI- 80.0106.121 **SG + OXI** EPI- 80.0106.062 **P + OXI**

S151 Overboots



Available sizes : **ONE SIZE**

Fabrics : **SG** + **OXI** **P** + **OXI**

Standard compliance : **EN 11612 : 2015**

Levels of protection : **A1B2C4D3E3F2** ^{SG+OXI}; **A1B2C4D3E3** ^{P+OXI}

EPI-80.0106.011 ^{SG+OXI} - EPI-80.0106.041 ^{P+OXI}

S101 Helmet



Available sizes : **ONE SIZE**

Fabrics : **SG** + **OXI** **P** + **OXI**

Standard compliance : **EN 11612 : 2015**

Levels of protection : **A1B2C4D3E3F2** ^{SG+OXI}; **A1B2C4D3E3** ^{P+OXI}

EPI- 80.0106.015 ^{SG+OXI} - EPI-80.0106.046 ^{P+OXI}

S50/35 Gloves



Available sizes : **One size**

Fabrics : **SG** + **OXI**

Standard compliance : **EN 420; EN 388; EN 407 III Cat.**

Levels of protection : **4443 ; 43334X**

EPI- 80.0301.028 L. 35cm

Carrying bag / Hard case



Dimensions : **50x60x35 cm**

EPI-80.0107.011

Dimensions : **75x48x40 cm**

Weight: **12,1 Kg**

EPI- 80.0107.025

DISPONIBLE SUR DEMANDE,
MOYENNANT UN SUPPLÉMENT.

COMPREHENSIVE APPROACH ST502

EPI-80.0106.132 **SG** + **OXI** EPI-80.0106.111 **P** + **OXI**

Fully insulated set consisting of :

Jacket designed with a rear backpack to accommodate breathing apparatus. Front opening, false internal closure in FR Velcro® and protective strip also closed by FR Velcro®. Mandarin collar, sleeves allowing ease of movement.

Front flap pants with Velcro® FR closure, adjustable elastic straps, fold-over opening at the bottom of the leg with Velcro® FR closure.

ST502 Jacket



ST501 Pants



Available sizes : **M** **L** **XL** **XXL**

Fabrics : **SG** + **OXI** **P** + **OXI**

Standard compliance : **EN 11612 : 2015**

Levels of protection : **A1B2C4D3E3F2** ^{SG+OXI}; **A1B2C4D3E3** ^{P+OXI}

EPI- 80.0106.117^{SG + OXI} - EPI- 80.0106.059^{P + OXI}

Available sizes : **M** **L** **XL** **XXL**

Fabrics : **SG** + **OXI** **P** + **OXI**

Standard compliance : **EN 11612 : 2015**

Levels of protection : **A1B2C4D3E3F2** ^{SG+OXI}; **A1B2C4D3E3** ^{P+OXI}

EPI- 80.0106.121^{SG + OXI} EPI- 80.0106.062^{P + OXI}

Overboots S151



Available sizes : One size

Fabrics : P + OXI SG + OXI

Standard compliance : EN 11612 : 2015

Levels of protection : **A1B2C4D3E3F2** ^{SG+OXI}; **A1B2C4D3E3** ^{P + OXI}

EPI-80.0106.011 ^{SG + OXI} - EPI-80.0106.041 ^{P + OXI}

S111 Helmet



Available sizes : One size

Fabrics : SG + OXI P + OXI

Standard compliance : EN 11612 : 2015

Levels of protection : **A1B2C4D3E3F2** ^{SG+OXI}; **A1B2C4D3E3** ^{P + OXI}

EPI-80.0106.031 ^{SG + OXI} - EPI-80.0106.047 ^{P + OXI}

S50/35 Gloves



Available sizes: One size

Fabrics : SG + OXI

Standard compliance : EN 420; EN 388; EN 407 III Cat.

Levels of protection : **4443** ; **43334X**

EPI- 80.0301.028 L. 35cm

Carrying bag / Hard case



Dimensions : 50x60x35 cm

EPI-80.0107.011

Dimensions : 75x48x40 cm

Weight: 12,1 Kg

EPI- 80.0107.025

AVAILABLE UPON REQUEST,
FOR AN ADDITIONAL FEE.

SC90 COAT

Unlined COAT with front opening. Features a false internal Velcro® FR closure and a protective strip also closed with Velcro® FR. Mandarin collar, sleeves allowing ease of movement. Total length: 118 cm (Size L)



Available sizes:



Fabrics :



Standard compliance : EN 11612 : 2015

Levels of protection :

A1B1C3D3E3F1^{SG} ; A1B1C3E3^P

EPI- 80.0106.089^{SG} - EPI- 80.0106.016^P

COAT SC91 COAT

MANTEAU sans doublure avec ouverture sur le devant. Doté d'une fausse fermeture Velcro® FR interne et d'une bande de protection également fermée par Velcro® FR. Col mandarin, manches permettant une grande liberté de mouvement. Total length : 118 cm (SIZE L)



Available sizes:



Fabrics :



Standard compliance : EN 11612 : 2015

Levels of protection :

A1B2C4D3E3F2^{SG+OXI} ; A1B2C4D3E3^{P+OXI}

EPI- 80.0106.116^{SG + OXI} - EPI- 80.0106.020^{P + OXI}

SC90+ COAT

Unlined COAT with front opening. Features a false internal Velcro® FR closure and a protective strip also closed with Velcro® FR. Mandarin collar, sleeves allowing ease of movement. Total length: 148 cm (Size L)



SC91+ COAT

Lined coat with front opening. Features a false internal Velcro® FR closure and a protective strip also closed with Velcro® FR. Mandarin collar, sleeves allowing ease of movement. Total length: 148 cm (size L)



Available sizes:

(M) (L) (XL) (XXL)

Fabrics :

SG P

Standard compliance : EN 11612 : 2015

Levels of protection :

A1B1C3D3E3F1^{SG} ; A1B1C3E3^P

EPI- 80.0106.090^{SG} - EPI- 80.0106.098^P

Available sizes:

(M) (L) (XL) (XXL)

Fabrics :

SG + OXI P + OXI

Standard compliance : EN 11612 : 2015

Levels of protection :

A1B2C4D3E3F2^{SG+OXI} ; A1B2C4D3E3^{P+OXI}

EPI- 80.0106.035^{SG + OXI} - EPI- 80.0106.100^{P + OXI}

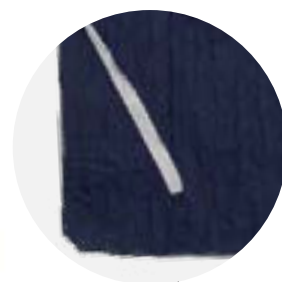
SGR800 APRON

Unlined apron with sleeves and shoulder pads made of aluminized fabric. Back closure with drawstrings.



SGR801 APRON

Lined apron with sleeves and shoulder pads made of aluminized fabric. Back closure with drawstrings.



Composé interne

Available sizes:



Fabrics :



Standard compliance : EN 11612 : 2015

Levels of protection :

A1B1C3D3E3F1^{SG} ; A1B1C3E3^P

EPI- 80.0106.092^{SG} - EPI- 80.0106.091^P

Available sizes:



Fabrics :



Standard compliance : EN 11612 : 2015

Levels of protection :

A1B2C4D3E3F2^{SG+OXI} ; A1B2C4D3E3^{P+OXI}

EPI- 80.0106.010^{SG + OXI} - EPI- 80.0106.093^{P + OXI}

SGR802 APRON

Unlined apron with sleeves and shoulder pads made of fire-resistant cotton. Back closure with drawstrings.



SGR70X100 APRON

Front-only protective apron with support and closure cords, width 70 cm, length 100 cm.



Available sizes:



Fabrics :



Standard compliance : EN 11612 : 2015

Levels of protection :

A1B1C3D3E3F1^{SG}

EPI- 80.0106.095^{SG}

Available sizes:



Fabrics :



Standard compliance : EN 11612 : 2015

Levels of protection :

A1B1C3D3E3F1^{SG} ; A1B1C3E3^P

EPI- 80.0106.096^{SG} - EPI- 80.0106.024^P

OVERBOOTS S151

Aluminized fabric overboots, insulated internally with OXI-STOP quilted fabric. 100% aramid sole reinforced with Velcro® F.R. closure at the back, Kevlar® thread stitching.



Available sizes: **One size**

Fabrics : **SG** + **OXI** **P** + **OXI**

Standard compliance : **EN 11612 : 2015**

Levels of protection : **A1B2C4D3E3F2**^{SG+OXI}; **A1B2C4D3E3**^{P + OXI}

EPI-80.0106.011^{SG + OXI} - EPI-80.0106.041^{P + OXI}

OVERBOOTS S150

Aluminized fabric overboots with removable lining. 100% aramid reinforced sole and back closure with Velcro® F.R. made of Kevlar® thread.



Available sizes: **One size**

Fabrics : **SG** **P**

Standard compliance : **EN 11612 : 2015**

Levels of protection :
A1B1C3D3E3F1^{SG}; **A1B1C3E3**^P

EPI- 80.0106.012^{SG} - EPI- 80.0106.043^P

VISORE

SGE40 GAITERS

Gaiters model SGE 40

- total height 40 cm
- with under-shoe laces
- Velcro® F.R. closure at the back



Available sizes: **One size**

Fabrics : **SG** **P**

Standard compliance : **EN 11612 : 2015**

Levels of protection :
A1B1C3D3E3F1^{SG}; **A1B1C3E3**^P

EPI- 80.0106.085^{SG} - EPI- 80.0106.025^P

SLEEVES

Sleeves made of unlined aluminized fabric.

- Total length 48 cm



Available sizes: **One size**

Fabrics : **SG** **P**

Standard compliance : **EN 11612 : 2015**

Levels of protection :
A1B1C3D3E3F1^{SG}; **A1B1C3E3**^P

EPI- 80.0106.088^{SG} - EPI- 80.0106.087^P



S111 HELMET

Helmet intégral isolé par un tissu matelassé ignifugé OXISTOP, conforme à l'utilisation d'un masque complet et du sac dorsal pour ARI, avec visière panoramique (remplaçable) en polycarbonate doré ou transparente certifiée EN166 et EN136, casque interne réglable selon EN 397, bretelles aisselles élastifiées avec fermeture Velcro® F.R réglable



Available sizes: **One size**

Fabrics : **SG** + **OXI** **P** + **OXI**

Standard compliance : **EN 11612**

Levels of protection : **A1B2C4D3E3F2**^{SG+OXI}; **A1B2C4D3E3**^{P + OXI}

EPI-80.0106.031^{SG + OXI} - EPI-80.0106.047^{P + OXI}

S101 / S100 HELMET

Full-face helmet insulated with fire-resistant OXISTOP quilted fabric, compatible with full-face masks and backpack respirators, with panoramic visor (replaceable) in gold or transparent polycarbonate, certified to EN166 and EN136, adjustable inner helmet in accordance with EN 397, elasticated underarm straps with adjustable Velcro® F.R fastening.



Available sizes: **One size**

Fabrics : **SG** + **OXI** **P** + **OXI** **SG** **P**

Standard compliance : **EN 11612**

Levels of protection : **A1B2C4D3E3F2**^{SG+OXI}; **A1B2C4D3E3**^{P + OXI}; **A1B1C3D3E3F1**^{SG}; **A1B1C3E3**^P

S100: EPI-80.0106.114^{SG} - EPI-80.0106.045^P

S101: EPI-80.0106.015^{SG + OXI} - EPI-80.0106.046^{P + OXI}

PROTECTIVE SHUTTER

Aluminized fabric protective cover.



Available sizes: **One size**

Fabrics : **SG**

Standard compliance : **EN 11612 : 2015**

Livello di protezione

Levels Protection: **A1B1C3D3E3F1**^{SG}

EPI- 80.0106.136^{SG}

SV200 VISORE

Transparent 4 mm polycarbonate or gold visor for S100, S101, S111, and S203 helmets, size 280x175 mm.



Available sizes: **One size**

Standard compliance : **EN166 ; EN136**

EPI-80.0204.040^(GOLDEN) - EPI-80.0204.039^(TRANSPARENT)





PROXIMITY AND FIRE PENETRATION SET

P. 32 CLOTHING IN 1486

P. 34 S200 SET

P. 35 S205 SET

EN 1486

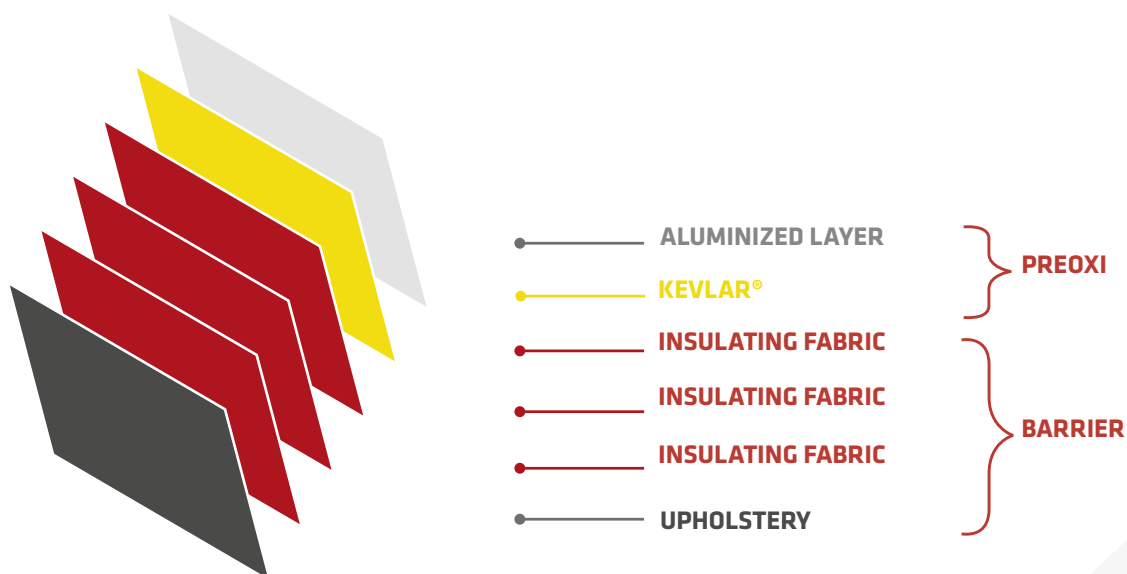
REFLECTIVE CLOTHING FOR SPECIAL FOREST FIREFIGHTING OPERATIONS DESIGNED SPECIFICALLY FOR FIREFIGHTERS

These garments must provide maximum protection against surrounding flames and intense radiant heat (approaching and passing through flames) and in specific high-risk firefighting and rescue operations. The garments must protect the entire body, including the head, hands, and feet.

The helmet, gloves, and overshoes must provide the same protection against flames and heat as the clothing. The helmet must be compatible with EN 443, EN 397, and EN 14052 protective helmets.

The visor must exceed the optical and mechanical requirements of standards EN 166 and EN 136.

Overboots must be designed to be worn over safety shoes that comply with standards EN 15090 and EN ISO 20345, and there must be space inside the breathing apparatus for them.



All garments must be made with a multi-layer structure: a reflective aluminized outer layer, several layers of thermal barrier, and a lining, to ensure complete thermal insulation for short periods of time.

All materials used in the assembly of the garments, when subjected to the ISO 17493 test (255 degrees for 5 minutes), must not catch fire, melt, or shrink.

The minimum requirements for the assembled garment must be met :

- Radiant heat test EN ISO 6942 RHT124 equal to or greater than 120 sec.
- Convective heat test EN ISO 367 RHT124 equal to or greater than 21 sec.
- Contact heat test EN 702 (300°C) tt equal to or greater than 15 sec.
- Tensile strength of outer material equal to or greater than 600 N.
- Tensile strength of inner material equal to or greater than 350 N.
- Tensile strength of outer material seams equal to or greater than 300 N.
- Tensile strength of inner material seams equal to or greater than 180 N.
- Other joints of 90 N or more N
- Tear resistance of 25 N or more
- Surface wetting : index 4 (1 to 5)

S200 COMPLETE SET

EPI-80.0106.112

Aluminized coverall consisting of :

S204 full coverall designed with a rear pocket to hold the breathing apparatus. Helmet suitable for use with a full face mask and a back pocket for ARI. Panoramic visor (replaceable) made of gold-colored polycarbonate certified to EN166 and EN136. Adjustable inner helmet in accordance with EN 397.

S202 overboots fully insulated with a non-fireproof padded compound. 10% para-aramid reinforced sole. Rear closure with Velcro® F.R.

S203 full-face helmet insulated internally with shapes for use with a full-face mask and a back pocket for ARI. Equipped with a panoramic visor (replaceable) in gold polycarbonate certified to EN166, adjustable inner helmet.



Set S204

Available sizes :

M/L XL/XXL

Fabrics :

P + BA

Standard compliance : EN 1486 : 2008

Levels of protection : III Cat.

EPI-80.0106.075^P + BA845

S202 Overboots



Available sizes : One size

Fabrics :



Standard compliance : EN 1486 : 2008

Levels of protection : III Cat.

EPI-80.0106.077^P + BA845

203 Helmet



Available sizes: One size

Fabrics :



Standard compliance : EN 1486 : 2008

Levels of protection : III Cat.

EPI-80.0106.076^P + BA845

S201 Gloves



Available sizes : One size

Fabrics :



Standard compliance : EN 1486 : 2008

Levels of protection : III Cat.

EPI- 80.0301.024^P + BA845

Carrying bag / Hard case



Dimensions : 50x60x50 cm

EPI-80.0107.012

Dimensions : 75x48x40 cm

Weight : 12,1 Kg

EPI- 80.0107.025

DISPONIBLE SUR DEMANDE,
MOYENNANT UN SUPPLÉMENT.

COMPLETE SET S205

EPI-80.0106.113

Aluminized coverall consisting of :

Jacket designed with a rear backpack to accommodate the breathing apparatus. Front opening, false internal closure in FR Velcro® and protective strip also closed with FR Velcro®. Mandarin collar, sleeves allowing ease of movement.

Front flap pants with Velcro® FR closure, adjustable elastic straps, fold-over opening at the bottom of the leg with toggle closure and Velcro® FR.



S206 Jacket

Available sizes :

M/L

XL/XXL

Fabrics :

P

+

BA

Standard compliance : EN 1486 : 2008

Levels of protection : III Cat.

EPI- 80.0106.008^P + BA845

S207 Pants

Available sizes :

M/L

XL/XXL

Fabrics :

P

+

BA

Standard compliance : EN 1486 : 2008

Levels of protection : III Cat.

EPI- 80.0106.009^P + BA845

S202 Overboots



Available sizes : One size

Fabrics :



Standard compliance : EN 1486 : 2008

Levels of protection : III Cat.

EPI-80.0106.077^P + BA845

S203 Helmet



Available sizes : One size

Fabrics :



Standard compliance : EN 1486 : 2008

Levels of protection : III Cat.

EPI-80.0106.076^P + BA845

S201 Gloves



Available sizes : One size

Fabrics :



Standard compliance : EN 1486 : 2008

Levels of protection : III Cat.

EPI- 80.0301.024^P + BA845

Carrying bag / Hard case



Dimensions : 50x60x50 cm

EPI-80.0107.012

Dimensions : 75x48x40 cm

Weight: 12,1 Kg

EPI- 80.0107.025

DISPONIBLE SUR DEMANDE,
MOYENNANT UN SUPPLÉMENT.





PROTECTIVE GLOVES IN (420 - 407 - 388)

P. 42	PROTECTIVE GLOVES
P. 44	SAF-TEX GLOVES
P. 46	SIZE GUIDE

PROTECTIVE GLOVES

Heat-resistant gloves protect hands from contact, convective and radiant heat, and small splashes or large projections of molten metal.

All heat-resistant gloves must comply with :

- The general basic requirements defined in standard EN 420, specifying: manufacturer references and product marking, material safety (e.g., material pH), dimensional conformity, dexterity, glove composition, packaging, storage, and washing, and technical documentation ensuring these characteristics.
- The requirements of EN 407 for thermal protection, specifying: resistance to flammability, resistance to contact heat, convective heat, radiant heat, resistance to small splashes of molten metal and, in the case of heat-resistant gloves used in work involving mechanical risks, they must also meet the requirements of standard EN 388 on mechanical risks, specifying: resistance to abrasion, shearing, fraying, and perforation.

Based on the results obtained during specific technical tests, each type of glove is assigned a level of protection indicated by a pictogram that identifies the type of risk. The level of protection is indicated by a letter that identifies the performance and by numbers from 1 to 5 that establish the degree of resistance, as shown in the following tables.

Levels of protection EN 407		2	3	4	5
A	Flame resistance time of ignition and incandescence	< 20 S Not required	< 10 S < 120 S	< 3 S < 25 S	< 2 S < 5 S
B	Contact heat resistance	100 C [∞] > 15 S	350 C [∞] > 15 S	350 C [∞] > 15 S	500 C [∞] > 15 S
C	Resistance to convective heat	> 4 S	> 7 S	> 10 S	> 18 S
D	Resistance to radiant heat	> 5 S	> 30 S	> 90 S	> 150 S
E	Resistance to small splashes of molten metal	> 5 S	> 15 S	> 25 S	> 35 S
F	Resistance to large projections of molten metal	30g	60g	120g	200g

Levels of protection EN 388		1	2	3	4	5
A	Abrasion resistance (no. of cycles)	100	500	2000	8000	
B	Blade cutting resistance (factor)	1,2	2,5	5	10	20
C	Tear resistance (Newton)	10	25	50	75	
D	Puncture resistance (Newton)	20	60	100	150	

S20 GLOVES

Heat-resistant 5-finger gloves made from 100% para-aramid fiber, lined on the inside with FR TNT fabric.

S40 GLOVES

5-finger glove made entirely of Safal aluminized fabric. Internal insulation with FIRESTOP fire-resistant fabric. Seams sewn with aramid fiber.

The product can be manufactured from pre-oxidized para-aramid.

EPI- 80.0301.001^{L. 28cm} - EPI- 80.0301.002^{L. 35cm}
EPI- 80.0301.003^{L. 40cm} - EPI- 80.0301.004^{L. 50cm}
EPI- 80.0301.005^{L. 60cm}

Fabrics : SG + OXI

EPI- 80.0301.031^{L. 35cm}

EPI- 80.0301.034^{L. 50cm}

EPI- 80.0301.029^{L. 40cm} EPI-
80.0301.033^{L. 45cm}

EPI- 80.0301.035^{L. 60cm}



Available sizes : One size

Fabrics :

K

Standard compliance : EN 420; EN 388; EN 407 III Cat.

Levels of protection : 2142; 423X3X

Available sizes : One size

Fabrics :

SG + OXI

Standard compliance : EN 420; EN 388; EN 407 III Cat.

Levels of protection : 4443 ; 43334X

S50 GLOVES

5-finger glove made of 100% para-aramid SAFAL Palm, 100% para-aramid back and cuff, aluminized interior and insulated with FIRESTOP fire-resistant fabric. Aramid fiber stitching.

The product can be manufactured in pre-oxidized para-aramid.

Fabrics : SG + OXI

EPI- 80.0301.028^L. 35cm

EPI- 80.0301.032^L. 40cm

EPI- 80.0301.036^L. 45cm

EPI- 80.0301.037^L. 50cm

EPI- 80.0301.038^L. 60cm



Available sizes : One size

Fabrics :



Standard compliance : EN 420; EN 388; EN 407 III Cat.

Levels of protection : 4443 ; 43334X

S201 GLOVES

S201 3-finger gloves, made from pre-oxidized aluminized para-aramid fiber, 485 g/m². Inner insulation made from 6 layers of quilted carbon fiber, totaling 720 g/m², and lining made from 50% meta-aramid and 50% viscose.

Velcro® F.R. fastening strap on the forearm Length 40cm.

EPI- 80.0301.024^P + BA845



Available sizes : One size

Fabrics :



Standard compliance : EN 1486 : 2008

Levels of protection : III Cat.

SIZE GUIDE

GLOVES SIZES

How to measure your hand to get the right size :

- Measure your hand with a tape measure by wrapping it around your hand at the joints.
- Close your fist to get the size in cm of the back of your hand.
- Check the measurements in the table and find the size.



SIZE	S	M	L	XL	XXL	XXXL
SIZE	6	7	8	9	10	11
CM	19,8-21,0	21,0-22,2	22,2-23,4	23,4-24,6	24,6-25,8	25,8-27
INCHES	7,8-8,3	8,3-8,7	8,7-9,2	9,2-9,7	9,7-10,2	10,2-10,6

TABLEAU DE CONVERSION

SIZE		XS		S		M		L		XL		XXL		3XL		4XL
COUNTRY	IT	40	42	44	46	48	50	52	54	56	58	60	62	64	66	
COUNTRY	FR	36	38	40	42	44	46	48	50	52	54	56	58	60	62	
COUNTRY	D	34	36	38	40	42	44	46	48	50	52	54	56	58	60	
COUNTRY	UK	8	10	12	14	16	18	20	22	24	26	28	30	32	34	
COUNTRY	ESP	38	40	42	44	46	48	50	52	52	56	58	60	62	64	
COUNTRY	U.S.A.	6	8	10	12	14	16	18	20	22	24	28	30	32	34	

CLOTHING SIZE

Sizes are defined in accordance with standard EN 340, in this table of measurements indicated in cm.

Jacket MEASUREMENT IN CM.

SIZE	S	M	L	XL	XXL	XXXL
Total length	82,50	84,50	86,50	88,50	90,50	92,50
Chest measurement	134,50	140,50	146,50	152,50	158,50	164,50
Sleeve length	80,50	82,50	84,50	86,50	88,50	90,50

Pants MEASUREMENT IN CM.

SIZE	S	M	L	XL	XXL	XXXL
Total length	99,50	101,50	103,50	105,50	107,50	109,50
Inseam length	70,00	72,00	74,00	76,00	78,00	80,00
Waist size	100,00	104,00	108,00	114,00	120,00	126,00

BODY DIMENSIONS ACCORDING TO STANDARD EN 340

SIZE	S	M	L	XL	XXL	XXXL
Total length	166-174	172-180	180-188	188-196	196-204	204-212
Waist size	82-90	90-98	98-106	106-114	114-122	122-130

Tolerance $\pm 3\%$ on all dimensions



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