

Technical specifications Fire-fighting footwear code 9561801

General Description

The structural firefighting boot style 9561801 is a safety footwear in conformity with EN 15090:2012 F2A CI AN HI₃ SRC. It is certified as 3rd category PPE.



The upper is made of: one piece vamp, linked to a 2 quarters by means of a triple stitching; a back stripe joined by triple seam to the vamp and the quarters; a collar made of veal leather; a bellows tongue. The boot height as measured from the heel base to the collar top is 250 mm +3%, in size 42. (all other sizes develop total height harmonically).

Waterproof and breathable hydrophilic PES lining (breathable membrane); taped seams.

Anatomical foot-bed, made of antistatic material (3mm width) and an antistatic nitrile rubber sole with an anti-perforation steel sole cemented into it.

The footwear is assembled by thermoplastic; the sole is glued to the upper by Ago Technique.

Range of sizes available: 36 - 48

Weight of the boot in size 41 (1.050 gr./ piece, 2.100 gr.

per pair)

Including safety toe cap, anti-penetration steel insert and metatarsal protection.

Composition

The footwear is composed of the following parts:

1. Upper
2. lining
3. Antistatic device
4. Heel counter
5. Toe-cap
6. Foot-bed
7. anatomical plantar
8. sole
9. Yarns and accessories

Upper

Bovine leather, black colour, aniline dyed; chrome tanned, waterproof treated 60 min. Thickness mm 2.0-2.2

Vamp

Same quality as the upper, joined to the quarters by double stitching.

Quarters

Same leather as the upper

Tongue and bellows

Full grain bovine leather, 1.0-1.3mm thick, black colour.
Padded with open cell foam rubber 3mm thick .

Collar

Full grain bovine leather , 1.0 – 1.3 mm thick, joined to the upper by double seam.
Expanded PU padding, 6 mm thick, breathable.

Bovine leather features

Full grain veal leather mm 2.0-2.2 thick
Resistance to tear: (EN 344 4.4.2):>120N
Tensile strength (UNI ISO 3376): $\geq 18\text{N/mm}^2$
Breaking strength (UNI ISO 3376) $\geq 50\%$
Dynamic waterproofness (UNI 8425) and (EN344 4.4.5)
Water penetration time: > 60 min.
Water absorption time after 60': < 30%
Water vapour permeability (EN 344 5.13) : > 4.0mg/cm² h
Water vapour coefficient (EN 3445.13): > 20/mg/cm²
PH (UNI ISO 4045) and (EN 344 4.4.7) : > 3.5

Lining

Functional layer made of hydrophilic PES; it is composed of 4 different layers, joined together by special glue points, to allow the foot to transpire. Outer material (in contact with the foot): non- woven fabric highly resistant to abrasion
Breathable and waterproof membrane
On the lining back part a leather stripe is sewn in order to protect it from abrasion. All seams are taped.



Lining composition

Outer material: non-woven 100% polyamide

Backing: 100% PES felt

Breathable and waterproof membrane in hydrophilic PES

Backing in monofilament 100% polyamide knitted fabric

Total lining weight: 360gr/m² +/- 20

Lining thickness: mm² +/-0.3

Resistance to tear (EN 344 4.5.2):>20N

Resistance to abrasion (EN 344 4.5.3): no perforation after 25,600 cycles with dry sample and after 12,800 cycles with wet sample.

Permeability to water steam: (Ret) (ISO 11092):<200 10⁻³ m² mbar/watt

Coefficient to water steam in 8h (EN 344 4.5.4):>30mg/cm²

Heel counter

It is made up of non-woven fabric, mm. 2,1 thickness, with thermal cohesive resins. It is thermal shaped, so as to assure an anatomic heel and it is inserted between the lining and the upper at the back of the boot, so as to increase the comfort. To protect the membrane, there is a soft-rubber stripe along the perimeter of the reinforced heel.

Toe-cap

It is made of steel; it is asymmetrical, with supporting base and treated against rust.

Overcap

Made in heat and fire resistant rubber thickness 1 mm.

Footbed

Anatomic, anti-static material, 2.5 mm thick.

Anatomic removable plantar

The footwear is provided with an inner plantar; it is anti-static, against sweating, removable and washable. Shock absorber device rubber in the heel area.

Anti-static device

Anti-static device composed of the following elements:

zig-zag sewing (55mm long) made up of anti-static yarn.

waterproof and anti-static insert (dimensions 85mmx40mm)

Sole

It is made up of anti-skid rubber. The rubber is heat and fire resistant, with high content of acrylonitril and antistatic. It has long durability with shock absorption properties in the heel area. The shape of the tread and cleats prevents mud and little rocks from being kept. The heel is made lighter thanks to some quadrangular hollows, on the internal surface. An anti-perforation



steel layer is cemented into the sole.

Sole thickness (cleats excluded) is 7 mm. and cleats thickness is 5 mm. (total thickness 12 mm.)

Yarns

All sewings are made of para aramide thread, red colour.

Laces

PES yarn, black colour, 220 mm long.

Fastening

Quick fastening and release system by means of a central zipper. Adjusting device by 22 eyelet couples and a couple of side lace blockers.



 Protect S.p.A.

3rd category PPE, EC marked according to Law Decree 475 dated 04/12/1992 in compliance with European Directive 89/686/CEE.

In conformity with EN 15090:2012 F2A AN CI HI3 SRC



ISTITUTO GIORDANO

ORGANISMO NOTIFICATO CE N. 0407

CERTIFICATO DI ESAME CE DEL TIPO - MODULO B EC TYPE-EXAMINATION CERTIFICATE - MODULE B

N. MED-198 (IG-127-2016) rev. 0

Si certifica che il prodotto:

This is to certify that the product:

Denominazione del prodotto
Trade name of the product

Descrizione Item
Item

Richiedente
Applicant

PRO**Item A.1/3.4 - Equipaggiamento da vigile del
fuoco: stivali***Item A.1/3.4 - Fire-fighter's outfit: boots***ST PROTECT S.p.A.****Via Circonvallazione, 97 - 27043 BRONI (PV) - Italia**

è stato sottoposto alle prove identificate in allegato a questo certificato conformemente alla procedura
stabilita per lo schema modulo B della direttiva 96/98/CE come emendata dalla direttiva 2015/559/UE.

*it has been submitted to tests identified in the annex to this certificate, in compliance with the module B scheme of directive
96/98/EC as amended by directive 2015/559/EU.*

**Il presente certificato perde di validità se il fabbricante apporta qualsiasi cambiamento o modifica
all'equipaggiamento approvato, senza comunicarlo all'Istituto Giordano S.p.A. per approvazione.**

*This certificate will not be valid if the manufacturer makes any changes or modifications to the approved equipment,
which have not been notified to and agreed with Istituto Giordano S.p.A.*

Rilasciato a Bellaria-Igea Marina - Italia il 23/06/2016*Issued in Bellaria-Igea Marina - Italy on***Prima emissione il 23/06/2016***First issue on***Valido fino al 22/06/2021***Expiry date*

Firmato digitalmente da GIORDANO SARA LORENZA

Il Direttore Tecnico
Technical Director

L'Amministratore Delegato
Chief Executive Officer

Dott. Ing. Giuseppe Persano Adorno

Dott. Arch. Sara Lorenza Giordano

L'originale del presente documento è costituito da un documento informatico con apposta firma digitale ai sensi del DPR 513/97.
The original of this document consists of an electronic document with a digital signature affixed pursuant to DPR (Presidential Decree) 513/97.

*Note: questo certificato rimane valido fino a scadenza se non annullato o revocato, posto che le condizioni elencate in allegato vengano rispettate e
che il prodotto mantenga le sue prestazioni in esercizio / Notes: this certificate remains valid until expiry unless cancelled or revoked, provided the conditions in the attached sche-
dule are complied with and the equipment remains satisfactory in service.*

*Se i regolamenti o le norme dovessero essere emendati durante il periodo di validità del certificato, il prodotto dovrà essere riapprovato prima di es-
sere posto a bordo di navi a cui si applicano i regolamenti o le norme emendate / Should the specified regulations or standards be amended during the validity of this certi-
ficate, the product(s) is/are to be reapproved prior to it/they being placed on board vessels to which the amended regulations or standards apply.*

Il presente certificato è composto da n. 1 foglio e n. 1 allegato / The present certificate consists of a main page and one annex.



ORGANISMO NOTIFICATO CE N. 0407

ALLEGATO AL CERTIFICATO
ANNEX TO THE CERTIFICATE
N. MED-198 (IG-127-2016) rev. 0

Norme di prova <i>Specified standard</i>	EN 15090 (2012).
Regole della Convenzione SOLAS 74 emendata <i>Regulation SOLAS 74 as amended</i>	Reg. II-2/10; ris. IMO MSC.36 (63) (Codice HSC 1994), 7; ris. IMO MSC.97 (73) (Codice HSC 2000), 7 ; ris. IMO MSC.98 (73) (Codice FSS), 3
Documentazione approvata <i>Approval documentation</i>	<p>Scheda tecnica "Scheda prodotto 95618 01". <i>Technical specification "Scheda prodotto 95618 01".</i></p> <p>Rapporto di prova CIMAC n. 20095186 del 30/10/2009. <i>Test report CIMAC No. 20095186 of 30/10/2009.</i></p> <p>Rapporto di prova PFI n. 140683 01 86 del 17/07/2015. <i>Test report PFI No. 140683 01 86 of 17/07/2015.</i></p> <p>Rapporto di prova PFI n. 140683 02 86 del 17/07/2015. <i>Test report PFI No. 140683 02 86 of 17/07/2015.</i></p> <p>Rapporto di prova PFI n. 1303434 05 20 01/02 86 del 24/05/2013. <i>Test report PFI No. 1303434 05 20 01/02 86 of 24/05/2013.</i></p> <p>Documentazione tecnica del prodotto allegata al rapporto sopra citato. <i>Technical documentation of the product attached to the test reports aforementioned.</i></p>
Restrizioni <i>Restrictions</i>	<p>Calzature antistatiche, utilizzabili quando è necessario dissipare le cariche elettrostatiche per evitare il rischio d'incendio. Non garantiscono protezione contro le scosse elettriche. Se tale rischio non è stato completamente eliminato, è essenziale ricorrere a misure aggiuntive.</p> <p><i>Antistatic footwear to be used if it is necessary to dissipate electrostatic charges, thus avoiding the risk of spark ignition. They cannot guarantee an adequate protection against electric shock. If this risk has not been completely eliminated, additional measures to avoid it are essential.</i></p>
Descrizione prodotto <i>Product description</i>	<p>Stivale in pelle pieno fiore di vitellone anfibio (spessore 2,0 ÷ 2,2 mm) con suola in gomma monoblocco nitrilica antistatica e antiscivolo e lamina in acciaio antiperforazione trattata antiruggine.</p> <p><i>Full grain calf amphibious leather boot (thickness: 2,0-2,2 mm) with nitrile antistatic and antislip one piece rubber sole and with anti-perforation steel foil treated against rust.</i></p>
Fabbricante <i>Manufacturer</i>	S.C. Isatis srl Buhusi - Bacau (Romania)



ORGANISMO NOTIFICATO CE N. 0407

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Note/Notes:

Questo attestato e la documentazione richiamata al p.to 5 del Modulo B allegato B della Direttiva 96/98/CE, devono essere conservate per dieci anni dall'ultima data di fabbricazione del prodotto.

This certificate and the documents referred to at p.to 5 of Module B in Annex B of Directive 96/98/EC, should be stored for ten years after the last product has been manufactured.

La validità del presente attestato è subordinata al rispetto del regolamento dell'Istituto Giordano "REG-MED", alle condizioni generali di contratto per la certificazione dell'Istituto Giordano S.p.A. ed ai requisiti pertinenti della Direttiva Marine Equipment.

The validity of this certificate is subject to compliance with Istituto Giordano "REG-MED" Rules, the Istituto Giordano S.p.A. general conditions of contract for certification and the relevant requirements of Marine Equipment Directive.

Il marchio di conformità ("timoncino") può essere affisso sull'equipaggiamento approvato ed il Fabbricante può emettere la dichiarazione di conformità solo se il modulo di controllo della produzione (D, E o F) è certificato da un Organismo Notificato, come prescritto nell'allegato B della Direttiva.

The mark of conformity ("wheelmark") may only be affixed to the above type approved equipment and a Manufacturer's declaration of conformity issued when the production-control phase module (D, E, or F) of annex B of the Directive is fully complied with and controlled by a written inspection agreement with a Notified Body.



YYYY/XX

YYYY

Numero dell'Organismo Notificato incaricato per il modulo di sorveglianza*Notified Body number undertaking surveillance module*

XX

Ultime due cifre dell'anno di apposizione del marchio*Last two digits of year mark affixed.*

Bellaria-Igea Marina - Italia, 23/06/2016

EU-Type Examination Certificate for Personal Protective Equipment (PPE)	
Name and address of certificate holder: SACI S.R.L. Contrada Pietralunga S.N.C. IT – 94014 Nicosia	no. 1901189 02 86 KP <small>Certificate Number</small> Issue date: 2019-02-05 Valid until: * 2024-02-04
Name and address of manufacturer: SACI S.R.L. Contrada Pietralunga S.N.C. IT – 94014 Nicosia	Description of PPE: Footwear for firefighters according DIN EN 15090 Type: FIRE BEST Category: F2A, HI₃ + pictogram, SRC, CI, AN Certification Category: ** III Applied standards: DIN EN 15090:2012 (EN 15090:2012) DIN EN ISO 20344:2013 (EN ISO 20344:2011) DIN EN ISO 20345:2012 (EN ISO 20345:2011)

* Validity according to EU Regulation 2016/425, Annex V, 6.1

** according EU Regulation 2016/425 for Personal Protective Equipment, Article 19

See annex for type-identical articles!

Testing laboratory [expertises]:		
PFI [1810599-01/02-20-01, 1708301-01-20-01, 1708301-02-20-01, 1708301-03-20-01, 1606451-01-20-01, 1606451-02-20-01, 1600813-01/02-20-01, 1606160-01-20-01, 1505577-01/02-20-01, 1406470-01/02-20-01, 1303433-01/03-20-01, 1303434-05-20-01/02, 1205769-01-20-01, 1108458-01-00-01, 1010325-01-00-01, 1107136-01/04-20-01, 1305937-01-00-01, 1407131-01-00-01] CIMAC [RP 20104744, RP20111741, RP20112852] AUVA [PB 2019-5253-STP 4750]		
Remarks:	<input checked="" type="checkbox"/> Monitoring of Product Modul C2	Monitoring of Quality System Modul D
Contract 1807239-81-86, PFI ID 0193 from 2020-02-04 only valid with the actual valid Monitoring Confirmation		
The registration number of the Notified Body (0193) must be added to the CE marking.		

The tested type complies with the essential requirements of
Annex II of EU Regulation 2016/425 (Personal Protective Equipment)

 Dr. Markus Scherer Certifier PPE	 Prüf- und Forschungsinstitut Pirmasens e.V. Certification Body Notified Body according to EU Regulation 2016/425 ID: 0193	 Dr. Sigurd Riemer Department Manager Certification Body
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EU-Type Examination Certificate for Personal Protective Equipment (PPE)

Description of type:	no.	1901189 02 86	KP
	Certificate Number		
	Issue date:	2019-02-05	
	Valid until: *	2024-02-04	

Type:	FIRE BEST
Category / Protective Function:	F2A, HI₃ + pictogram, SRC, CI, AN
Make:	Direct-moulded
Size range:	36 - 48
Outsole:	Rubbersole, Trek 1, col. black
	
Toe Cap:	Steel toe cap Safit 604
Insole:	Textile, Tessiltoschi K18.0/3 Slim AS MQ, col. white
Insock:	Full insock, textile, Samac Plus 620, col. grey
Anti penetration insert:	Non-metallic insert, Tessiltoschi K18.0/3 Slim AS MQ