



RELIABLE AND PROFESSIONAL **FIREPROOF SOLUTIONS**



**Your Protective Power  
Against Flames!**



**We Are  
With You  
in the Most  
Difficult  
Missions!**





## Our Working Principles

By closely focusing on the technological developments in our sector, we constantly create innovative and functional fabrics, clothing and accessories, and we derive innovative products that comply with changing criteria of occupational safety.



## EU Regulation on PPE

According to Annex II of The Regulation (EU) 2016/425 CAT III PPE Standard, all of our products are CE certified. The purpose of the directive is to ensure the free movement of Personal Protective Equipment (PPE) in the European Community market by harmonizing it with the basic safety requirements set by the standards. In other words, this Regulation lays down the requirements for the design and manufacture of personal protective equipment (PPE).

It was created in order to protect the health and safety of users and to create rules about them. In this way, the free movement of products to be placed on the market is ensured within the European Union.



## Market Research

We design innovative products regarding the needs of end-users by conducting market researches.

Beginning in the early 1900s, our story continues as we proudly represent Turkish craftsmanship and vision all over the world.



## R&D

Research and Development is the core competence and a part of our strategy.

## Production Stage

We regard the quality standards at every stage of production.





**PRODUCTS**

**FIREPROOF**

<i>FIREFIGHTER OUTFITS</i> -----	<i>07-32</i>
<i>ALUMINIZED SUITS</i> -----	<i>33-36</i>
<i>CHEMICAL PROTECTIVE SUITS</i> -----	<i>37-38</i>
<i>FIREFIGHTER BOOTS</i> -----	<i>39-42</i>
<i>FIREFIGHTER GLOVES</i> -----	<i>43-46</i>
<i>FIREFIGHTER HELMETS</i> -----	<i>47-50</i>
<i>FIREFIGHTER ACCESSORIES</i> -----	<i>51-54</i>
<i>FIREFIGHTER EQUIPMENT</i> -----	<i>55-60</i>





A dramatic scene featuring a firefighter in full protective gear, including a helmet and a jacket with reflective yellow stripes. The firefighter stands with arms crossed in front of a building engulfed in flames at night. To the left, the side of a red fire truck is visible. The scene is filled with smoke and falling embers, creating a sense of urgency and danger.

# **FIREFIGHTER OUTFITS**



# FLAMEGUARD FIREFIGHTER OUTFIT - A



Flameguard® Firefighter Outfit Series is professional equipment designed for firefighters, providing superior protection against high temperatures and flames.

These outfits, which can withstand even the harshest conditions on the fire ground, protect their wearers against high temperatures and flames, keeping safety at the highest level. Flameguard® Firefighter Outfit Series meets international safety standards such as EN 469 and enables firefighters to safely fulfill their demanding tasks with its non-flammable, heat resistant, waterproof features.

In addition, these outfits offer long-lasting use with their strong seam construction and durable materials. Thanks to their strong insulation capabilities, Flameguard® outfits provide firefighters with protection against high temperatures and keep their body temperatures balanced. Moreover, with its ergonomic design, it offers flexible use without restricting mobility.

Flameguard® Firefighter Outfit Series, which provides maximum safety in firefighting, has been developed for firefighters to perform their duties safely.



## SPECIFICATIONS

- Removable inner liner so that the outer layer can be washed.
- Abrasion resistant shock absorbing reinforcement on arms, knees and shoulders.
- 50 mm Yellow-Grey-Yellow meta-aramid based non-flammable reflective stripes.
- A triangular 30 cm high piece at the back of the pants provides extra protection and support to the waist area, keeping the garment in place and increasing mobility.
- The anti-wicking barrier at the cuffs, jacket hem and pant leg effectively prevents external liquids from seeping in, protecting the wearer.



### OUTER LAYER:

75% meta-aramid + 23% para-aramid + 2% antistatic fiber (210 g/m<sup>2</sup>)



### INNER LAYER:

Aramid, Viscose FR (115 g/m<sup>2</sup>)



### MOISTURE BARRIER:

100% Aramid nonwoven fabric, PTFE membrane laminated (140 g/m<sup>2</sup>)



### HEAT BARRIER:

100% Aramid nonwoven fabric (150 g/m<sup>2</sup>)



### STANDARD:

EN 469: X2 Y2 X2



Y1005



Y1001



Y1002-D



Y1004







Y1004



Y1002





# FLAMEGUARD FIREFIGHTER OUTFIT - B



Flameguard® Firefighter Outfit Series offers safe protection for firefighters against high temperatures and flames.

Meeting international safety standards such as EN 469, these outfits stand out with their non-flammable, heat resistant and waterproof features.

Strong stitching and durable materials ensure long-lasting use. Ergonomic design allows firefighters to move comfortably.

Flameguard® Firefighter Outfit Series is designed to keep safety at the highest level in firefighting.



## SPECIFICATIONS

- Abrasion resistant shock absorbing reinforcement on arms, knees and shoulders.
- 50 mm Orange-Grey-Orange meta-aramid based non-flammable reflective stripes.
- A triangular 30 cm high piece at the back of the pants provides extra protection and support to the waist area, keeping the garment in place and increasing mobility.
- The anti-wicking barrier at the cuffs, jacket hem and pant leg effectively prevents external liquids from seeping in, protecting the wearer.



### OUTER LAYER:

75% meta-aramid + 23% para-aramid + 2% antistatic fiber (210 g/m<sup>2</sup>)



### MOISTURE BARRIER:

100% Aramid nonwoven fabric, PTFE membrane laminated (140 g/m<sup>2</sup>)



### HEAT BARRIER:

100% Aramid nonwoven fabric (150 g/m<sup>2</sup>)



### INNER LAYER:

Aramid, Viscose FR (115 g/m<sup>2</sup>)



### STANDARD:

EN 469: X2 Y2 X2





TEST	TEST METHOD	SIGN
Heat Transfer (Flame)	ISO 9151	Xf2
Heat Transfer (Radiant)	ISO 6942	Xr2
Water Penetration Resistance	ISO 811	Y2
Water Vapor Permeability	ISO 11092	Z2







Y1001



Y1002-D





Y1007



Y1009



Y1008



23



24



# RAFF RESCUE

## SEARCH AND RESCUE SUIT



Raff Rescue® Search and Rescue Suits are manufactured in accordance with EN ISO 11612 and EN 1149-5 standards and are non-flammable.

These suits provide superior protection against high temperature and flame risks, while offering safe use with their antistatic properties.

Used in firefighting, technical rescue and similar challenging missions, Raff Rescue® suits provide comfort and freedom of movement to the user with its durable structure and ergonomic design.

It is produced with high quality fabrics and maintains its performance even in long-term use.



### SPECIFICATIONS

**Knee Reinforcement:** DuPont™ Nomex®/Kevlar® material, silicone-carbon coated for extra protection.

**Pockets:** 4 multi-purpose pockets, including a knife pocket, for functional use.

**Daytime Visibility:** High visibility in daytime conditions thanks to the segmented reflective strips used on the suits.

**Night Visibility:** 10 mm wide Photoluminescent strips provide 8 hours of high visibility in the dark, enhancing safety by providing maximum visibility even in low light and dark environments.



**OUTER LAYER:**

93% meta-aramid + 5% para-aramid + 2% antistatic fiber, 230 g/m<sup>2</sup>



**STANDARD:**

EN ISO 11612 - EN 1149-5



Y1011



27



Y1012



28



Y1013





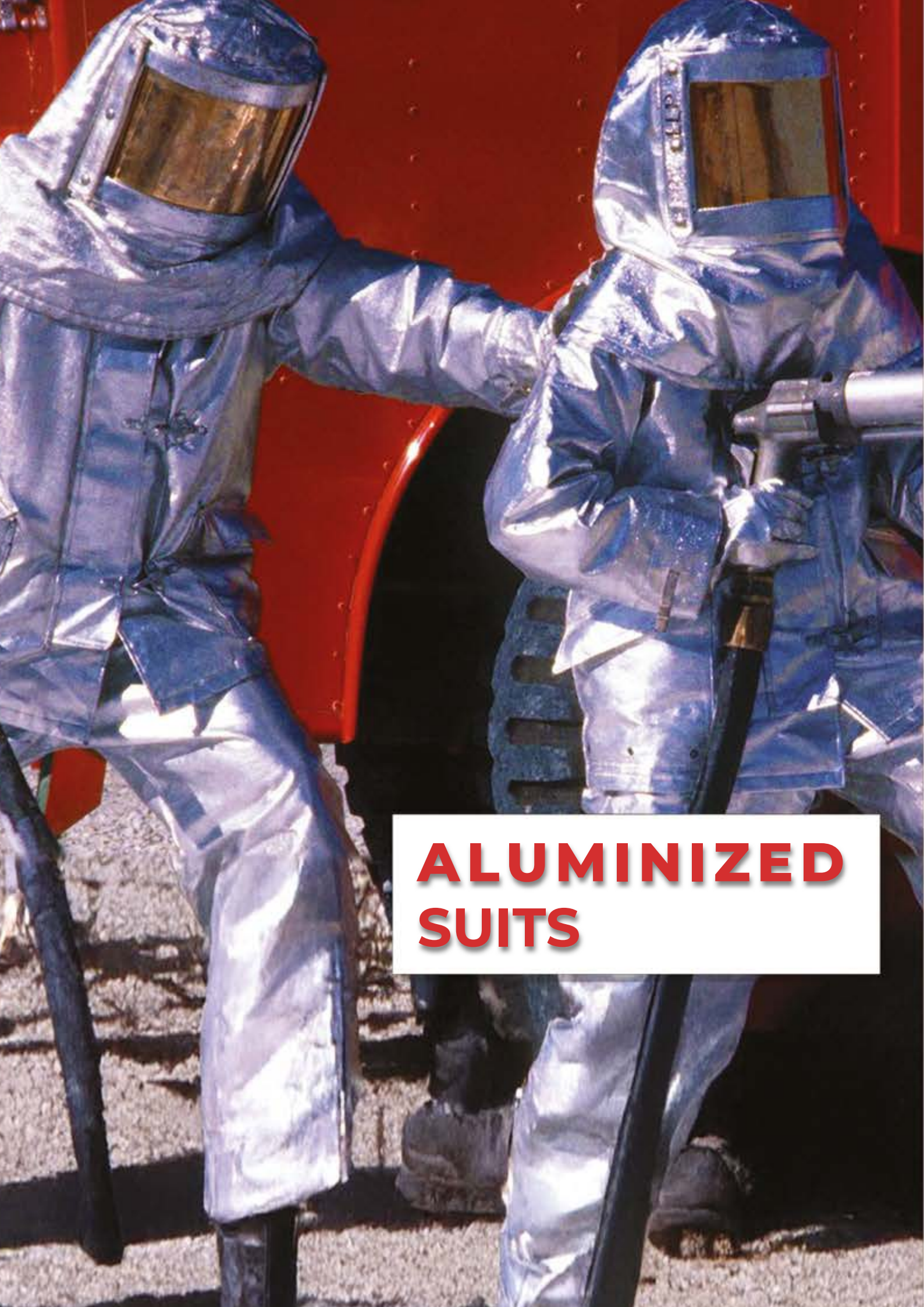


Y1005



Y1010





**ALUMINIZED  
SUITS**



Y2003

Y7002



Y2002

Y2004





# RAFF HEAT SHIELD

## ALUMINIZED SUIT



Raff Heat Shield® Fire Proximity Suit is designed to offer safe protection against high temperatures and flames.

Meeting international safety standards such as EN 1486, this suit is non-flammable and heat resistant with aluminized preox-aramid layers.

Durable stitching and high-performance materials ensure long-lasting use. Its ergonomic design offers the user comfortable mobility and aims to maximize safety and efficiency in firefighting. The series provides superior protection in harsh fire conditions.



### SPECIFICATIONS

- Coat:** Suitable for wearing an internal breathing apparatus, with a front zipper and a velcro placket on the zipper.
- Hood:** Detachable from the coat, provides panoramic visibility and protects the neck, chest and shoulder areas.
- Pants:** Adjustable straps and the cuffs are gathered with elastic.
- Gloves:** Five-fingered gloves, matching the layers of the suit.
- Gaiters:** With firefighter boots in accordance with the EN 15090 standard.



**OUTER LAYER:**  
Aluminized preox-aramid



**MOISTURE BARRIER:**  
Amide / Melamine Nonwoven (Nonwoven fabric)



**HEAT BARRIER:**  
Flame retardant fabric (FR)



**STANDARD:**  
EN 1486



A person is shown from the waist up, wearing a bright yellow chemical protective suit. They are also wearing a full-face respirator with a large, grey, cylindrical filter canister attached to the sides. The person's arms are crossed. The background is a blurred outdoor setting with some industrial structures.

# **CHEMICAL PROTECTIVE SUITS**







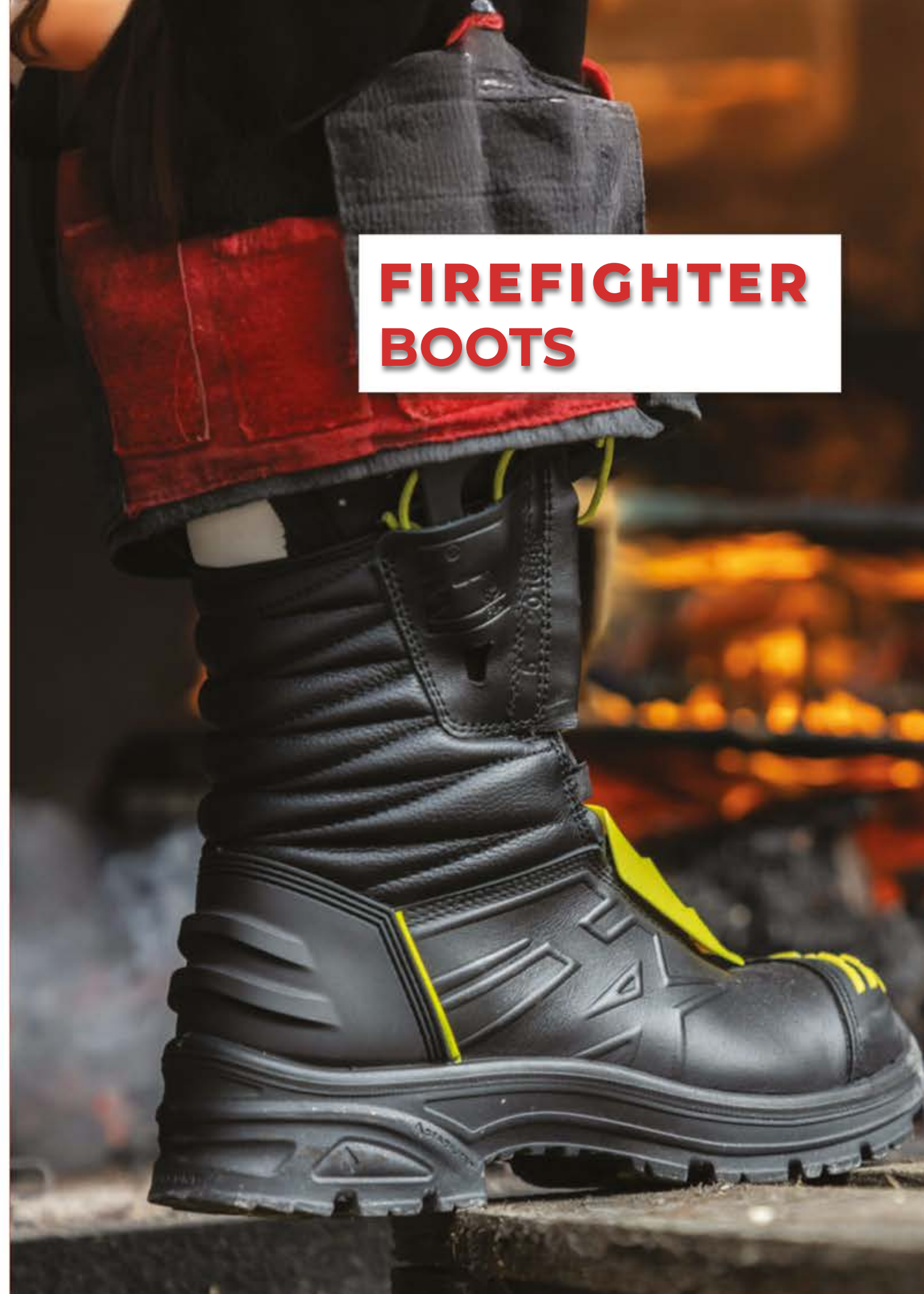
Y6001

Y6002



Y6003

## **FIREFIGHTER BOOTS**





# RAFF FIRE BOOTS

## FIREFIGHTER BOOTS



**Tigar Firefighter Boots** are desined to ensure the safety and comfort of firefighting personnel in the most demanding conditions. Resistant to flame, heat, water, acid, alkali, oil and petroleum derivatives, these boots offer superior performance with vulcanized rubber compounds.

**Tigar Firefighter Boots** are an ideal choice to maximize the safety and performance of firefighting personnel by offering a combination of high protection and comfort.



### SPECIFICATIONS

**Material:** Made of vulcanized rubber resistant to acid, alkali, oil and petroleum derivatives.

**Sole and Toe Protection:** Steel sole and steel toe protection to increase resistance to mechanical impact.

**Visibility:** High visibility with contrasting black and yellow colors.

**Durability:** Rubber boots offer long-lasting abrasion resistance whereas rapid wear occurs in leather boots.

**Flexibility:** Thanks to the outer surface made of flexible rubber material, it will not crack or open.

**Easy Wear:** Two handles for easy donning of the boot.

**Abrasion Resistance:** Extra durability and excellent abrasion resistance.

**Ergonomic Design:** Ergonomically designed to reduce the load on the heels.

**Sizes:** Different size options between 39-47.



**STANDARD:** EN 15090:2012, EN 50321:1999, HRN EN ISO 20345:2012, Hlg SRA, Class 0 certificates.



# **FIREFIGHTER GLOVES**



Y7002



Y7003



Y7004



Y7005



Y7001



Y7006





# RAFF FIRE GLOVES

## FIREFIGHTER GLOVES

Y7007



**The HYSAFETY STRUCTURAL 7885** firefighter glove is resistant to high heat and flames and is made of European Kevlar®/Aramid materials.

Kevlar® knit liner and flame resistant moisture barrier provide protection against chemicals and pathogens. The high-mobility finger design and reflective strip on the wrist increase safety.



### SPECIFICATIONS

**Cuff:** Kevlar® knit provides extra protection.

**Seams:** Kevlar® seams.

**Reflective Strip:** Provides visibility at the knuckle.

**Fingers:** High mobility.

**Wrist Band:** Velcro adjustable.

**Palm Coating:** Kevlar® silicone coating.

**Available Sizes:** XXS - XXXL.



**OUTER LAYER:**

Made of Kevlar®/Aramid of European origin, it is heat resistant, non-flammable and has high abrasion resistance, tear and puncture resistance.



**BASE LINING:**

Kevlar® knit is heat resistant and breathable.



**MOISTURE BARRIER:**

Non-flammable, durable and breathable barrier provides protection against chemicals and blood pathogens.



**STANDARD:**

CE, EN388:2016, EN659 (EN659:2003+11:2008/AC:2009) standards.





## **FIREFIGHTER HELMETS**

Y5001



Y5002



# RAFF FIRE HELMETS

## FIREFIGHTER HELMETS



The PAB Fire Compact Firefighter Helmet is designed to ensure the safety and comfort of firefighting personnel in the most demanding conditions.

Offering superior protection against high temperature, mechanical impact and chemical agents, this helmet is made of European origin high temperature resistant thermoplastic material.

The helmet's integrated flip-down visor and inner goggles have an anti-scratch and anti-fog coating for clear visibility in extreme conditions. The PAB Fire Compact provides high visibility in low light conditions thanks to its reflective strips, while its 3-point chin strap with fire resistant aramid tape increases safety.

The aluminum-coated neck guard protects the user from extra heat and flames. Combining high protection and ergonomic design, the PAB Fire Compact is an ideal choice for firefighters, allowing them to work safely and comfortably even in the most demanding missions.



### SPECIFICATIONS

**New Design:** Innovative material selection and manufacturing technology provide high protection and easy handling.

**Performance:** Extreme temperature resistance: Withstands 10 seconds of flame contact up to 1000°C. Long-term temperature resistance: Subjected to 14 kW/m<sup>2</sup> radiant heat test up to 250°C (30 minutes). High mechanical impact resistance. Low temperature classification: -30°C.

**Safety:** Electrical insulation capacity: Class E2. Reflective strips for effective visibility in low light conditions. 3-point chin strap with fire resistant aramid tape to prevent skin irritation. Chemical resistance according to EN 443 standard.

**Neck Protection:** Choice of aluminum-coated fiber, Nomex®, genuine leather or Holland-style impregnated wool.

**Comfort:** Easily replaceable and washable inner pads. Integrated adjustment system (52-64 cm). Quick interior release from the outside with the "Push to Release" button. Wide range of accessories.

**Weight:** Basic configuration (without neck protection): 1165 g ± 30 g. Basic configuration (with aluminum neck guard): 1220 g ± 30 g. High-tech materials. High temperature resistant thermoplastic shell.

**Outer Visor:** Anti-scratch and anti-fog coated (EN 14458).

**Inner Goggles:** Anti-scratch and anti-fog coated (EN 166 and EN 14458).



#### MATERIAL:

High temperature resistant thermoplastic shell.



#### STANDARD:

EN 443:2008, EN 14458:2004, EN 166:2004 certified and MED approved.





## **FIREFIGHTER ACCESSORIES**



Y8001



Y8003



Y4001



Y8002



Y8012



Y8001-M



# RAFF FIRE HOODS

## FIREFIGHTER HOODS



Raff Fire Hood® is a high performance protective hood designed to protect the head, face, nape and neck of firefighting personnel from the effects of heat and flame.

Produced in accordance with the EN 13911:2017 standard, this hood has a double-layer structure made of a mixture of heat resistant and non-flammable aramid fibers and kernal & viscose fibers. Raff Fire Hood®, which can be easily put on and taken off thanks to its elastic structure, offers maximum flexibility to the user, while the sewing threads are made of 100% aramid material. The seams have a flexible and non-expanding structure and do not disturb the user. Produced in standard sizes, this product provides superior protection during firefighting.



### SPECIFICATIONS

**Seams:** Flexible, durable seams with 100% aramid thread.

**Hood:** Elastic, removable and ergonomically designed.

**Collar:** High protection neck area.

**Putting on / Taking off:** Easy to use elastic structure.

**Sizes:** Standard size.



**MATERIALS:**

50% Meta-Aramid + 49% Viscose FR + 1% Anti-Static - DARK BLUE  
93% Para-Aramid + 3% Meta-Aramid + 2% Anti-Static - GOLD



**NUMBER OF LAYERS:**

2



**STANDARD:**

EN 13911:2017





Y8011



Y8011-C



Y8009-C



Y8009



Y8010



Y8008



Y8004



Y8014



Y8016



## **FIREFIGHTER EQUIPMENT**



# RAFF OXYTECH

## STEEL TUBE BREATHING SYSTEM



Raff Oxytech® Steel Tube Breathing System is a high-performance breathing apparatus designed to ensure the safety of personnel working in firefighting, search & rescue and hazardous environments. This set provides users with fresh air and prevents exposure to smoke, gases and harmful particles.

It has been developed to provide reliable protection in harsh working conditions and is characterized by easy operation and maintenance.



### SPECIFICATIONS

**Tube Material:** High pressure air cylinder made of durable steel.

**Tube Capacity:** 6 liter capacity provides long term use.

**Working Pressure:** 300 bar.

**Usage Time:** Average usage time is 60 minutes (may vary according to intensity of use).

**Mask:** Ergonomically designed, it completely covers the face and provides perfect sealing.

**Regulator:** Pressure regulator ensures constant and reliable airflow.

**Weight:** Lightweight design increases mobility during use.

### Application Areas:

Firefighting, industrial accidents, working with hazardous materials.



# RAFF OXYTECH

## COMPOSITE TUBE BREATHING SYSTEM



Raff Oxytech® Composite Tube Breathing System is a high-performance breathing apparatus designed to ensure the safety of personnel working in firefighting, search & rescue and hazardous environments.

This set provides users with fresh air and prevents exposure to smoke, gases and harmful particles. It has been developed to provide reliable protection in harsh working conditions and is characterized by easy operation and maintenance.

### SPECIFICATIONS

**Tube Material:** High pressure air cylinder made of durable steel.

**Tube Capacity:** 6 liter capacity provides long term use.

**Working Pressure:** 300 bar.

**Usage Time:** Average usage time is 60 minutes (may vary according to intensity of use).

**Mask:** Ergonomically designed, it completely covers the face and provides perfect sealing.

**Regulator:** Pressure regulator ensures constant and reliable airflow.

**Weight:** Lightweight design increases mobility during use.

### Application Areas:

Firefighting, industrial accidents, working with hazardous materials.



*since 1900...*



Website Catalogue:



RAFF Website:



**+90 535 052 68 22**

[www.raff.com.tr](http://www.raff.com.tr) / [info@raff.com.tr](mailto:info@raff.com.tr)

Fatih Cad. Ihlamur Sk. No:2 Kat:1 **Güngören/ İSTANBUL**

