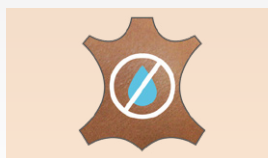


# ALUFERRO 49 S3 • ALTAS TEMPERATURAS

## NEGRO PU/TPU



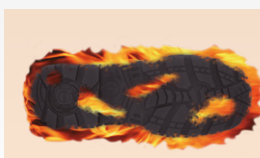
**WATER-REPELLENT  
NATURAL FULL  
GRAIN LEATHER**



**COMPOSITE TOECAP  
200 J**



**NON-METALLIC  
ANTI-PERFORATION  
MIDSOLE**



**NITRILE RUBBER  
OUTSOLE for  
High Temperatures  
+300°C**



**ANTIHEAT INSOLE**  
Antistatic,  
Antibacterial



# ALUFERRO 49 S3

## NEGRO



Regulation	EN ISO 20345:2011 - EN ISO 20349:2010
Certification	S3 + WG + AL + FE + CI + HI + AN + HRO + SRC
Class	I
Category	II
Size (Continental)	35-48
Colour	Black
Design / Kind	Boot / Type B
Electrical Resistance	Antistatic
Closure System	Leather Turn Up Collar with Velcro, Interior Laces and Bellows.

<b>UPPER MATERIAL</b>	Water-Repellent and Fireproof Natural Full Grain Leather
-----------------------	--

<b>TOECAP</b>	"Fiberplast" Composite 200 J.
<b>MIDSOLE</b>	Non-metallic anti-perforation
<b>OUTSOLE</b>	PU + Nitrile Rubber for High Temperatures +300°C

### DESCRIPTION OF COMPONENTS

Lining	Covered Coagulated Fabric
Insole	AntiHeat, AntiStatic, AntiBacterial and Anti-Fungal.
Upper-Sole Union	Direct Injection to the Upper.

technology **PANTER**

# Optimal Sole



EXTRA CUSHIONING AND STABILITY

**NEW OUTSOLE DEVELOPMENT WITH  
IMPROVED CUSHOMING AND ENERGY RETURN**

PROVIDES AN  
***Improved cushioning***

PROVIDES A  
***Better stability***

MORE  
***Flexible***

MORE  
***Lightweight***



**OPTIMAL SOLE  
POLYURETHANE**

## **BENEFITS FOR THE USER**

- Turns the kinetic energy of each step into impetus for the next step.
- Enhances the comfort:

Balanced distribution of foot pressures.  
Less muscle fatigue.  
Reduction of lumbar pain.  
Less risk of injuries.



certificate

**Oeko-Tex**

FREE OF HARMFUL SUBSTANCES

CONTROL OF HARMFUL SUBSTANCES

**OEKO-TEX®**  
CONFIDENCE IN TEXTILES  
**STANDARD 100**



2015OK0066 AITEX

Tested for harmful substances.  
[www.oeko-tex.com/standard100](http://www.oeko-tex.com/standard100)



**ALL THE PANTER  
FOOTWEAR  
MODELS HAVE BEEN  
MANUFACTURED USING  
HYPOALLERGENIC  
FABRICS**

**Antibacterial  
and anti-fungal**

**100% Breathable**

**Ecological and recyclable**

**Long-lasting durability**

**Improves comfort**

## BENEFITS FOR THE USER

All the textiles employed in PANTER footwear are in accordance with the Standard 100 OEKO-TEX (confidence in textiles). This certification guarantees that all the textiles employed are exempt from substances that might be harmful for the humans or the environment.

All the utilized materials have been treated to avoid the bacteria and fungus proliferation that may cause infections, bad smells or skin problems.

*technology* **PANTER®**

# Metal Free

WITHOUT METALLIC ELEMENTS

## ADVANTAGES

- **40% LIGHTER**

A lower weight is achieved with a metal free toe cap and sole, this brings greater comfort and relief to the foot.

- **50% MORE FLEXIBLE**

We achieve a more flexible and comfortable footwear with a metal free insole, taking into account a factor as important as the natural flexion of the foot.

- **100% METAL FREE**

PANTER® metal-free safety footwear is free of metal elements both inside (puncture-proof textile sole, anti impact plastic toe cap) and outside the shoe (textil or plastic D-rings, non-metallic ornaments, etc)

- **IMPROVED THERMAL INSULATION**

Metals are not good thermal insulators, whereas composites and fiberglass get a significant improvement in thermal insulation, protecting against heat or cold.

- **NON-MAGNETIC**

We obtained a non-magnetic shoe made of non-metallic materials, so that it is not detected in metal detectors.

- **ANTISTATIC**

We also obtained a shoe without static electricity, thus increasing the comfort of the user.

- **IMPACT'S RESPONSE**

Another very important characteristic is the response of the material after an impact. This type of material, unlike steel, recovers its shape after impact thanks to the elastic memory. This is very important in case of entrapment as it facilitates the removal of the foot.

- **CORROSION RESISTANT**

There is no risk of oxidation as it is a non-metallic material.