



**PACAL SHOES S.L.U.**

## **MANUFACTURER'S TECHNICAL FILE**

**Reference of the product:** BLACKELECTRON II SP5208 NE

**Article code:** /

**Technical file index:** 01

**Last update:** September 2025

# IDENTIFICATION

Reference of the product:	BLACKELECTRON II SP5208 NE
Article Code:	/
Technical file index :	01
Last update :	September 2025

## Manufacturer

PACAL SHOES S.L.U.  
C/ Sor Josefa Alcorta 37 03204 Elche (Alicante)  
España  
Tel: 966 630 052 (ext.9122)  
Fax: /

## Factories

JIANGSU HONGXIN SECURITY TECHNOLOGY CO.,LTD  
NO. 28 WEST OF HONGZE LAKE STREET, ECONOMIC DEVELOPMENT ZONE, SIHONG COUNTY,  
SUQIAN CITY, JIANGSU PROVINCE  
CHINA  
Tel: 0527-86220230  
Fax: /

ZHEJIANG HONGXIN PPE CO.,LTD  
C-11, XINCHENG STREET INDUSTRIAL PARK, RUI'AN CITY, WENZHOU CITY, ZHEJIANG PROVINCE  
CHINA  
Tel: +86 0577-66880506  
Fax: /

# FOOTWEAR DESCRIPTION

## Footwear description

The classification of this footwear is I : Footwear made from leather and other materials, excluding all-rubber or all-polymeric footwear.

The design of this footwear is B : ankle boot.

## Visual description

General view :



Outsole view :



Reference of the mould : 8012

## Range of sizes

35-48

## Construction and material of outsole

Injection, PU/RUBBER DUAL DENSITY SOLE

## Field of use

construction industry, warehouse - for mechanical risk

## Risk assessment (Essential Health and Safety Requirement. Annex II - PPE Regulation)

		Applicable
§1	Requirements defined in the Annex II §1 are applicable to all PPE	<input checked="" type="checkbox"/>
§1.4	Manufacturer's instructions and information is available	<input checked="" type="checkbox"/>
§2.2	PPE is designed and manufactured in a way that perspiration resulting from use is minimised. Otherwise it must be equipped with means of absorbing perspiration.	<input checked="" type="checkbox"/>
§2.4	If it is known that the design performance of new PPE may be significantly affected by ageing, the month and year of manufacture and/or, if possible, the month and year of obsolescence must be indelibly and unambiguously marked on each item of PPE placed on the market and on its packaging.	<input checked="" type="checkbox"/>
§2.9	PPE incorporating components which can be adjusted or removed by the user	<input checked="" type="checkbox"/>
§2.12	PPE bearing one or more identification markings or indicators directly or indirectly relating to health and safety	<input checked="" type="checkbox"/>
§2.14	Multi-risk PPE	<input checked="" type="checkbox"/>
§3.1.1	The PPE is intended to protect against impact caused by falling or ejected objects and collisions of parts of the body with an obstacle	<input checked="" type="checkbox"/>
§3.1.2.1	The PPE is intended to protect against falls due to slipping	<input checked="" type="checkbox"/>
§3.2	The PPE is intended to protect against static compression of a part of the body	<input checked="" type="checkbox"/>
§3.3	The PPE is intended to protect against mechanical injuries	<input checked="" type="checkbox"/>
§3.6	Protection against heat and/or fire	<input checked="" type="checkbox"/>
§3.7	Protection against cold	<input checked="" type="checkbox"/>

# FOOTWEAR CONSTITUTION

	Reference	Material	Color
UPPER	HX-LEA-S	1.6-1.8MM COW FULL GRAIN SMOOTH LEATHER	BLACK
	HX-PLA	PLASTIC EYELET	BLACK
COLLAR	HX-LEA-S	1.6-1.8MM COW FULL GRAIN SMOOTH LEATHER (PATCH)	BLACK
	HX-UL2	1.4-1.6MM COW SUEDE SPLIT LEATHER	ORANGE
	HX-PU-SFT	SMOOTH SOFT PU	BLACK
TONGUE	HX-PU-SFT	TONGUE & GUSSET: SMOOTH SOFT PU	BLACK
	HX-LEA-S	1.6-1.8MM COW FULL GRAIN SMOOTH LEATHER	BLACK
VAMP LINING	HX-LA	NON-WOVEN FABRIC	GREY
QUARTER LINING	K208	K208 MESH (QUARTER/ HEEL AREA LINING)	BLACK
INSOLE	HX-NM-INSERT	NON-METALLIC ANTI-PENETRATION INSERT/ INSOLE	WHITE/BLUE
INSOCK	HX-INSK-H	K208 MESH + HI-POLY FOAM PERFORATED & REMOVABLE INSOCK	BLACK
OUTSOLE	8012	PU MID SOLE+RUBBER OUTER SOLE	BLACK/ ORANGE
TOE CAP	604	COMPOSITE TOECAP	WHITE
INSERT	HX-NM-INSERT	NON-METALLIC ANTI-PENETRATION INSERT/ INSOLE	WHITE/BLUE

# PROTECTION SCOPE

## Basic requirements

This product has been designed to be a safety footwear.

The applicable basic requirements are detailed in the following standard(s):

- EN ISO 20345:2022+A1:2024 Safety footwear

This product is a category II PPE.

At the date of the certificate, the product is in compliance with Annex XVII of the European REACh regulation (n° 1907/2006 and revisions)

## Additional requirements

The claimed additional requirements are :

- Closed seat region
- Cleated outsole
- Perforation resistance (non-metallic insert type PL)
- Heat insulation
- Cold insulation
- Slip resistance (ceramic tile with glycerine)
- Outsole :Resistance to hot contact
- Outsole : Fuel oil resistance

# MARKING - PACKAGING

## Information marked on the footwear

- \* Logo of the Manufacturer
- \* Logo **CE**
- \* Manufacturer's name or commercial brand
- \* Manufacturer's postal address
- \* Manufacturer's type designation
- \* Size
- \* At least year and month of footwear manufacture
- \* The number and year of the applicable specific standard(s)
- \* The appropriate codes of marking according to the applicable requirements and additional protection and performance claimed

## Marking example



The location of the marking is : back side of tongue

Method of marking on the footwear: Stitch

## Packaging

COLOR BOX,TEN PAIRS IN ONE CARTON

## References of test reports performed in order to verify the compliance with the requirements of the technical rules:

<u>References</u>	<u>References</u>
D200913662_2	D241029210_1
D201117889_1	D241130813_2
D211123073_1	D250306661_1
D211123127_1	D250307368_1
D211224594_1	D250412312_1
D211224868_1	D250515459_1
D230717060_1	D250519044_1
D240925277_2	D250622369_1
D241028933_2	GZHT91062430
	GZHT91223059

## MEANS OF CONTROL

1.To control the quality of raw materials follow the methods below:

We asked our suppliers to test their upper leather for Cr VI, PH and DMFu by themselves; asked lining suppliers to check tear strength, especially abrasion resistance; and the suppliers for toecaps and insert need to test impact/compression and penetration resistance for their components...after all raw material can reach relevant requirement, we will accept them and use in mass production.

2. During development, we will take some samples to check the main physical properties, such as impact, compression, slip resistance, antistatic and so forth, in order that we can control the quality from development and will avoid some additional troubles in the following steps; if the result can meet requirement, we will process forward; otherwise we need pay more attention to development for the better shoes;

3. We control the whole procedure from cutting to package. Every step, relevant QC will check the quality, the semi-finished goods and finished shoes will be discarded if cannot reach requirement of quality. Of course we take some samples from line to test bond strength, impact ect to confirm the mass production are under control. Finally, before shipment, the QC will perform the final inspection randomly, the shoes will be delivered in case the result is acceptable.

4. When do bulk the production each batch, we shall pick up some shoes from producing site randomly to test impact, compression, penetration, antistatics, leather CR VI.... to control the quality to match the requirment of standard EN ISO 20345:2022+A1:2024.”

### **PPE subject to ageing :**

The design performance of this product can be affected by ageing. The peremption period is estimated at 3 years when stored in appropriate conditions (humidity, temperature, clean , ventilated, light). Before use, the footwear shall be visually controlled, in case of deterioration the footwear must be scrapped (abrasion, cut, tear...).

### **Declaration of conformity :**

The EU declaration of conformity can be accessed on the website: [www.paredessequidad.com](http://www.paredessequidad.com)