

Certification of Safety Footwear

Obligations of users of safety Footwear

The obligations are set out in the **directive «PPE users» 89/656/EEC and related texts.**

Employers implement **all the collective means** for the protection of employees.

PPE provides **protection against residual risks.**

The employer ensures the adequacy of the PPE for the risks, in collaboration with the different internal committees of the company.

PPE that offers an appropriate level of protection is made available to the employees free of charge:

- compliance certified by the **CE marking**,
- complete **user manual** with each PPE,
- manufacturer's **declaration of compliance.**



Obligations of manufacturers of safety shoes

The manufacturers of safety Footwear must market products that comply with the essential requirements of the **European regulation 2016/425/EU.**

To do so, they are required to adhere to the following procedure.

- 1 Characterise the level of risk against which their safety footwear will protect the wearer. This will define the **certification rules.**
- 2 Define all risks precisely. This will set all necessary standards during the **certification process.**
- 3 The manufacturer will choose its **notified body.** Most safety footwear are category II. For category III safety shoes, an annual inspection system must be defined (module D with a notified body).
- 4 The manufacturer shall submit to the Notified Body a technical file which includes:
 - a full description of the manufacturing process (materials, place of assembly, etc.),
 - the results of the tests confirming the conformity of the products,
 - the final marking of the safety footwear,
 - the PPE instructions for use.
- 5 Once the notified body has issued an EU type-examination certificate number, the manufacturer:
 - issues its declaration of conformity,
 - affixes the CE mark to its production,
 - can market its safety footwear anywhere in the European Union and in many other countries,
 - remains at the disposal of the market control authorities.



Marking system for shoes and boots

The following markings have been developed to assist the consumer in choosing footwear:

EN ISO 20345 - EN ISO 20347 (*)			
	SB: • Basic requirements	SBH: • (hybrid show) Basic requirements	
CLASS I: LEATHER AND TEXTILE UPPER	S1: SB + • Back enclosed • antistatic properties • energy absorption from the heel		
	S2 : S1 + • Upper water penetration and absorption		
	S3: S2 + • Metallic perforated insert • sole lug	S3L: S2 + • Non-metallic perforated insert L tip • sole lug	S3S: S2 + • Non-metallic perforated insert S tip • sole lug
	S6 : S2 + • Fully waterproof shoes		
CLASS II: POLYMERS	S7: S3 + • Fully waterproof shoes	S7L: S3L + • Fully waterproof shoes	S7S: S3S + • Fully waterproof shoes
	S4: SB + • Fully waterproof shoes • Metallic perforated insert • sole lug		
	S5: S4+ • metal insert perforation • sole lug	S5L: S4 + • Non-metallic perforated insert L tip • sole lug	S5S: S4 + • Non-metallic perforated insert S tip • sole lug

(*) To obtain the marking corresponding to: EN ISO 20347 replace S with O

Select the standards of the safety footwear

EN ISO 13287	Shoes – Test method for slip resistance
EN ISO 20344	PPE – Test method for safety boots
EN ISO 20345	PPE – Safety boots
EN ISO 20347	PPE – Work shoes
EN ISO 20349	(sections 1 to 2) – Personal protective equipment – Shoes for protection against risks in foundries and welding
EN ISO 22568	(sections 1 to 4) – Requirements and test methods for end seals and inserts that are resistant to perforations

Additional requirements

HI: Heat insulation	LG: Ladder grip
CI: Cold insulation	SR: Slip resistance on slippery ground
M: Metatarsal protection	P: Metallic anti-penetration sole
AN: Malleolar protection	PL: Non-metallic anti-penetration sole, L tip
CR: Cut resistance	PS: Non-metallic anti-penetration sole, S tip
SC: Stone guard	WPA: Upper water penetration and absorption
E: Energy absorption from the heel	FO: Outsole resistant to fuel oil
WR: Water-resistant shoes	
C: Conductive shoe or boot	
A: Antistatic shoe or boot	
HRO: Heat resistant sole	

* Information from the CTC