

# PERSONAL PROTECTIVE EQUIPMENT FOOTWEAR



The fundamental principle of occupational health and safety is that occupational hazards should be eliminated at the source. When other safety measures have been adopted, but the hazard still exists, the use of PPE is required.

Where there is danger of foot injuries, the workers shall wear adequate protection against workplace hazards. Proper selection of PPE footwear is important to minimize risk of injuries.

## PPE FOOTWEAR TESTING STANDARDS

There are various PPE footwear standards published. The three most common PPE footwear standards are EN ISO 20345, EN ISO 20346, and EN ISO 20347.



TESTING STANDARDS	TYPE OF FOOTWEAR
EN ISO 20345	PPE - Safety Footwear
EN ISO 20346	PPE - Protective Footwear
EN ISO 20347	PPE - Occupational Footwear
EN ISO 20349	PPE - Footwear protecting against thermal risks and molten metal splashes as found in foundries and welding - Requirements and test method
EN 13634	Protective footwear for motorcycle riders - Requirements and test methods
EN 13832-1	Footwear protecting against chemicals - Part 1: Terminology and test methods
EN 13832-2	Footwear protecting against chemicals - Part 2: Requirements for footwear resistant to chemicals under laboratory conditions
EN 13832-3	Footwear protecting against chemicals - Part 3: Requirements for footwear highly resistant to chemicals under laboratory conditions
EN 15090	Footwear for firefighters
EN ISO 17249	Safety footwear with resistance to chain saw cutting
EN 50321	Electrically insulating footwear for working on low voltage installations



## PPE DIRECTIVE 89/686/EEC

The European Union initiated Directive 89/686/EEC in order to ensure equally safe products throughout the European Union. Footwear manufacturers shall obtain PPE certification from a Notified Body before they can affix the CE mark on the product.

The CE marking for PPE is a declaration that the Basic Health and Safety Requirements of the Directive have been met. To achieve this it is necessary to meet the requirements of the applicable EN standard listed above. In some cases the relevant conformity assessment procedures have to be in compliance.

## WHY CHOOSE SGS?

SGS's PPE solutions provide one stop testing and certification services for safety, occupational and protective footwear.

### 1. TESTING

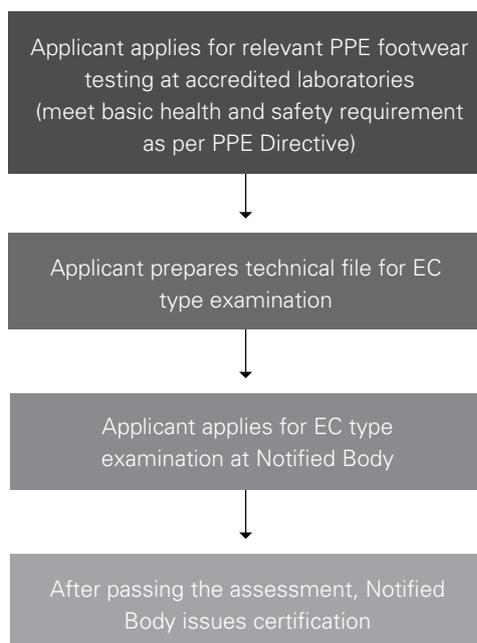
SGS has laboratories which are accredited to conduct many types of PPE footwear testing. After completion of testing, SGS laboratories provide assistance to manufacturer in compiling technical files and coordinate with Notified Bodies for application of EC type examination.

### 2. CERTIFICATION

SGS United Kingdom Limited is a Notified Body (0120) approved to provide certification for EC type examination under Article 10 of the Directive. SGS United Kingdom Limited also provides Article 11 certification for complex footwear using local auditors for the annual factory audits.

## ROUTE TO CE MARKING

To enable CE marking for PPE footwear, the steps involved are illustrated below.



For high risk footwear protection (Category III complex design) e.g. high voltage, high temperature or chemicals, certification of the manufacturing site is also required.

## CONTACT

For further details, please contact our regional office or your usual SGS contact.

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