

Basic and additional markings

SB - Safety Basic, Any product claiming compliance with EN ISO 20345:2011 offers mechanical protection to the toes 200J impact resistance and 15,000N compression force.

E - Energy absorption of the seat region. Offers some cushioning in the heel region to reduce fatigue and transferred force to the heel and ankle during activities.

FO - Fuel oil resistance of the outsole. A resistance to damage and swelling of the outsole when in contact with common hydrocarbons such as petrol.

Closed seat region. The heel area of the shoe or boot is closed to the elements and debris. There is no marking requirements but this property forms part of the Short cut codes.

Cleated outsole. The heel and forepart area of the footwear includes a tread. There is no marking associated with this but this property forms part of the Short cut codes

OB - Occupational Basic, Any product claiming compliance with EN ISO 20347:2012 offers NO protection to the toes but must include one or more protective features.

P - Perforation resistance. A resistance to sole penetration of nails and sharp objects. The claim is limited to a maximum force and specific nail shapes

A - Antistatic. A dissipation of static away from the user to reduce sparking risk. Footwear imparts a resistance between 0.1 & 1000MΩ and offers limited resistance to mains voltage

C - Conductive footwear. Conduction of all static away from the user for users in explosive atmospheres. Resistance of 0.1MΩ or less. Offers NO resistance to mains voltage.

WRU - Water resistant upper. A limit resistance to water penetration through the upper panels. The footwear may not include holes and decorative stitching but seams are not sealed

SRA - Slip resistance on tiled floor surface Sodium Luaryl sulphate (soapy water) lubricant. Representative of most work places with aqueous (water based) lubricants.

SRB - Slip resistance on Steel floor surface Glycerol lubricant. Representative of more challenging indoor only work place surfaces with a viscous oil like lubricants.

SRC - Both SRA and SRB have been met. This does not indicate best performance. Suitable for work places where the surface & lubricants cannot be predicted/controlled.

HRO - Heat resistance of the outsole. Resistance to a short term hot contact with the outsole up to 300°C for 1 minute. The sole will not be damaged

HI - Heat Insulation. The footwear resists the transfer of heat to the inner surface up to 150°C for 30 minutes, inner temperature rise shall be less than 22°C

CI - Cold Insulation. The footwear resists the transfer of cold to the inner surface up to -17°C for 30 minutes, inner temperature drop shall be less than 10°C

Electrical insulation - Test to EN 50321-1:2018. Wellington boots offering protection against the risk of working on live electrical instalations (AC or AC/DC with multiple levels)

AN - Ankle protection. Footwear includes a guard in the ankle to resist transferred forces to the ankle bone. Will offer protection to the ankle to bumps with hand tools for example.

WR - Water resistance. The whole footwear has resistance to water penetration. This is a limited claim of 80 minutes flexing in water. Products marked WATERPROOF must claim WR.

M - Metatarsal impact. The footwear incorporates a guard fitted over the top of the foot to resist impacts from falling objects behind the toe cap up to 100J impact energy. (not EN ISO 20347)

CR - Cut Resistant upper. Upper of the boot is resistant to cutting by sharp objects. This is only available on boots (not shoes) and protection extends a limited height up the boot leg.

SBH/OBH - Hybrid footwear. Uppers lower part rubber or polymeric, top part leather or fabric.

SBH - with toe protection to EN ISO 20345 and **OBH** - with no toe protection EN ISO 20347.

Shortcut marking codes for common properties

Safety footwear
EN ISO 20345:2011

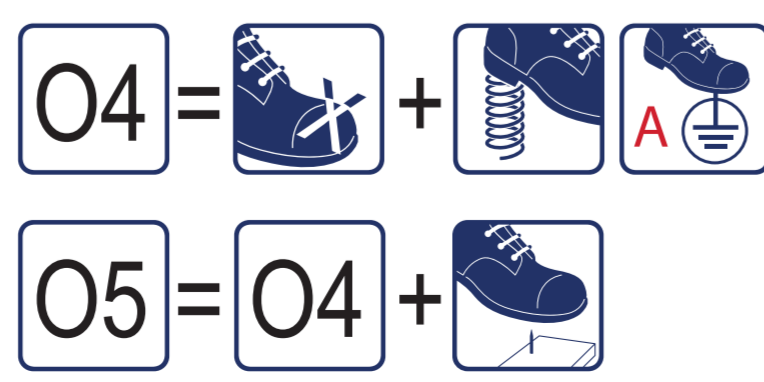
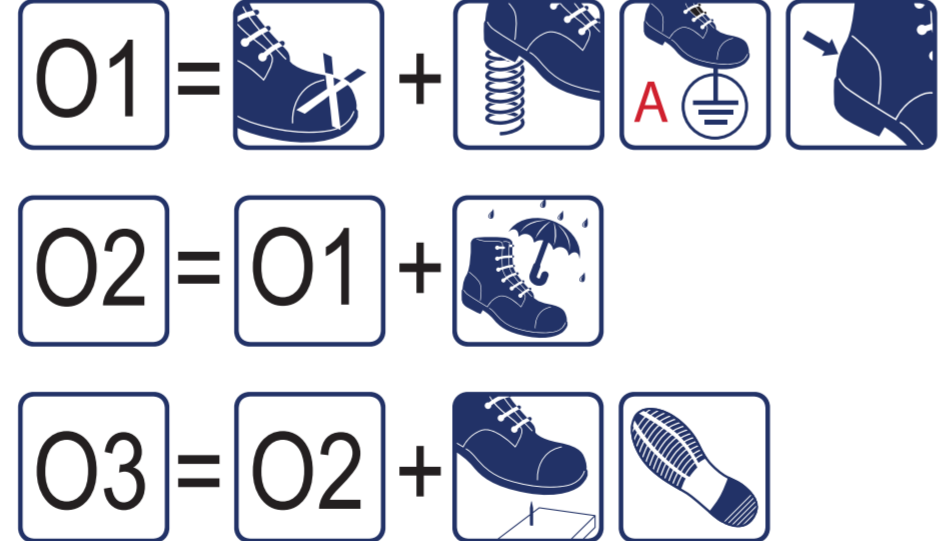
Classification I footwear - upper of leather or fabric



Classification II footwear - Moulded all rubber or polymeric construction



Occupational footwear
EN ISO 20347:2012



A suitable marking format for safety footwear is shown below. This depiction is an example only and would be permanently attached to the footwear for example via stitching and must remain legible throughout the foreseeable life of the footwear. The example shows DUAL marking and requires certification with both an EU27 Notified body and a UK Approved body.

