

## ANTISTATIC FOOTWEAR:

**Antistatic footwear** is used to minimise electrostatic build-up by dissipating electrostatic charges.

reducing the risk of spark ignition or accidental shocks. However, antistatic footwear cannot guarantee

adequate protection against electric shock as it only introduces resistance between foot and floor. If the risk

of an electric shock has not been completely eliminated, additional measures to avoid this risk are essential.

Such measures, as well as the additional tests mentioned below, should be a routine part of the accident

prevention programme at the workplace.

Experience has shown that, for antistatic purposes, the discharge path through a product should normally

have an electrical resistance of less than **1000 M $\Omega$**  at any time throughout its useful life. A value of **100 k $\Omega$**

is specified as the lowest resistance limit of a product, when new, in order to ensure some limited protection

against dangerous electric shock or ignition in the event of any electrical apparatus becoming defective

when operating at voltages of up to 250 V. However, under certain conditions, users should be aware that

the footwear might give inadequate protection and additional provisions to protect the wearer should be

taken at all times.

The electrical resistance of this type of footwear can be changed significantly by flexing, contamination

or moisture. This footwear might not perform its intended function if worn in wet conditions. It is hence

necessary to ensure that the product is capable of fulfilling its designed function during its service life. It is

recommended that the user establish an

In-house test for electrical resistance, which is carried out at regular and frequent intervals.

**Class 1** footwear can absorb moisture and can become conductive if worn for prolonged periods in moist

and wet conditions. If the footwear is worn in conditions where the soiling material becomes contaminated,

wearers should always check the electrical properties of the footwear before entering a hazardous area.

Where the protection provided by the footwear.

In use, no insulating elements should be introduced between the inner sole of the footwear and the foot of

the wearer. If any insert is put between the inner sole and the foot, the combination footwear/insert should

be checked for its electrical properties.

## SHOE CARE TIPS

Follow these tips to increase your footwear's lifespan.

1. Clean your shoes regularly. Remove any dirt gently with damp cloth

or a stiff bristle brush

2. Clean your outsole regularly to prevent clogging

3. Do not use any caustic cleaning agents

4. Store your shoes in a dry, ventilated space

5. If your footwear is wet, let it dry naturally to prevent damage

6. Change your socks regularly for better hygiene

**WHEN TO REPLACE MY SHOES?**

The lifetime of shoe is not endless as shoes may become worn out or damaged. Here are some signs to

remind you that it is time to replace your shoes.

**Toe-cap:**

- The material above the composite toe-cap is abraded and the toe-cap is visible.

- Toe-cap is deformed by impact or compression accident.

The sole:

- The bond has either failed, the entire sole profile is abraded or broken.

- The steel mid-sole is broken or penetrated.

Shoe body (Shoe upper):

- Broken or torn

## WARRANTY

### RETURN, EXCHANGE & WARRANTY POLICY FOR STAFFIRE SAFETY SHOES

When running from zombies, non-defective shoes will increase your odds of survival. Here are our Return Policy

guidelines to help you exchange defective goods for battle-ready gear.

PS International Pte. Ltd. is the owner and operator of this website, safety.com.sg (hereinafter referred to as

"Website"). By ordering products through our website and authorised resellers, you agree to be bound by this Return

**WARRANTY INFORMATION**

All safety shoes come with a 6-months limited warranty against manufacturing defects when purchased. This gives

you peace of mind that your safety products will stand up to any zombie attack. Want to file a warranty? Return the

shoe to us, and follow the policy stated here.

### RETURN POLICY

Your satisfaction is our mission. You may return your purchase(s) made at safety.com.sg or any of our authorised

sales channels within 7 days of receipt of your order. Our Customer Service team is just an email or call away. They'll

help you process your return.

All items will be inspected upon return. If the product is found to be ineligible for return, the item will be rejected and

returned to you. Any additional postage/courier fees incurred in the process of sending the item back to us will have

to be borne by the customer.

Kindly note that products purchased at a discount/clearance price are not eligible for returns.

### EXCHANGE FOR DIFFERENT SIZE/COLOUR

Exchanges are subjected to stock availability and only available for size and/or colour of the same style. The

exchanges must be done within 7 days from the date of receipt of your order (including weekends). Footwear

returned must not show any visible signs of wear and tear and should be returned in its original packaging with tags

intact. Please note that exchanging for a different product is strictly not allowed.

### REPLACEMENT FOR DEFECTIVE PRODUCT(S)

We sincerely apologise for any incorrect or defective items received. Returned products are inspected by our

Quality Assurance Department. If there is any damage to the product as a result of a manufacturing defect or any

deviation from factory specifications, we will provide a 1-for-1 exchange for the shoes.

In the event that a one-to-one exchange of the original item is not available due to insufficient stock, we will be

recommending another product of equivalent value. We regret to inform you that no credit notes or refunds will be

### KINDLY NOTE THAT WE DO NOT PROVIDE A 1-FOR-1 EXCHANGE FOR:

- Products purchased at a discount/clearance price are not eligible for returns.

- Safety shoes in odd sizes (below size 5 and above size 11) and specially tailored shoes (or non-catalogued items), these products fall under the non-standard product category and they are not eligible for return and exchange.

- Products that were purchased from an unauthorised website or reseller.

- Products that were damaged by abuse or negligence (exposure to unknown chemicals caustic substances, open flame, high heat, etc.) Products that were damaged by misuse or activities other than its intended purpose.

- Any forms of wear and tear or damage caused to the product after wearing/washing are not considered a defect and will not be liable for any returns, exchange or refunds. It is the shoppers' responsibility to treat all products with care.

### RETURN PROCESS

To initiate a return, please send us a Return Request email to [pdfs@safety.com.sg](mailto:pdfs@safety.com.sg) with the following information:

- Invoice and order number

- SKU(s) / Item(s) to be exchanged

- Reason for exchange, please state if it is an exchange for defective or non-defective shoes

- Exchange for defective shoes must be supported with pictures

Should you need any further clarification, please contact our local sales representatives for assistance, thank you.



## FEATURES



## USER INFORMATION

This safety footwear complies with the **EU Regulation 2016/425** on personal protective equipment and meets the requirements of the European standard **EN ISO 20345:2011**. It is certified by CTC, 4, rue Hermann Frenkel, 69367 Lyon Cedex 07, France (Notified Body 0075). EU declaration of conformity can be found at the following link.

<https://www.safety.com.sg/resources>

Safety footwear is designed to minimize the risk of injury by the wearer. It is designed to be used in conjunction with safe working environment and will not completely prevent injury if an accident occurs which exceeds the testing limits of EN ISO 20345:2011.

Safety footwear toecaps designed to give protection against impact when tested at an energy level of at least 200J and against compression when tested at a compression load of at least 15kN. This safety footwear protects the wear's toes against risk of injury from falling objects and crushing when worn in industrial and commercial environments where potential hazards occur.

## MARKINGS

Marking on footwear denotes that the footwear is licensed according to the following PPE guidelines:

Item	Examples of markings
Manufacturer's identification mark	WORKSafe
Number of European standard	EN ISO 20345:2011
Footwear size	5/39
Month and year of manufacturer	05/2022
Category of protection	S1
Additional property symbols, e.g. P (Penetration resistance)	P
CE mark	CE

## MARKING CATEGORIES OF SAFETY FOOTWEAR

Category	Class I*					Class II**			Hybrid footwear SBH
	SB	S1	S1P	S2	S3	SB	S4	S5	
Properties									
Safety Basic Requirement including Impact Resistant and Compression Resistant Toecap	X	X	X	X	X	X	X	X	Basic testing requirements refer to EN ISO 20345:2011 Annex A.
Closed Seat region		X	X	X	X			X	
Energy Absorption of Seat Region (E)		X	X	X	X			X	
Antistatic Properties (A)		X	X	X	X			X	
Resistance to Fuel Oil (FO)		X	X	X	X			X	
Penetration Resistant (P)			X		X			X	
Water Penetration and absorption (WRU)				X	X				
Cleated Outsole					X			X	

\* **Class I:** Footwear made from leather and other materials excluding all-rubber or all-polymeric footwear.

\*\* **Class II:** All-rubber (i.e. entirely vulcanised) or all-polymeric (i.e. entirely moulded) footwear.

**NOTE 1** For ease of marking, this table categorises safety footwear with the most widely used combinations of basic and additional requirements.

## ADDITIONAL REQUIREMENTS FOR SAFETY FOOTWEAR

Additional protection can be necessary for safety footwear depending upon risks to be encountered at workplace. In such cases, safety footwear shall conform to the appropriate additional requirements and corresponding markings given below.

Requirement	Classification		Symbol	
	Class I	Class II		
Whole footwear	Penetration resistance (1100N)	X	X	P
	Electrical properties			
	Partially conductive footwear (Max 100kΩ)	X	X	C
	Antistatic footwear (Range of 100kΩ to 1000MΩ)	X	X	A
	Electrically insulating footwear		X	See EN 50321
	Resistance to inimical environments			
	Heat insulation of sole complex	X	X	HI
	Cold insulation of sole complex	X	X	CI
	Energy absorption of seat region (20J)	X	X	E
	Water resistance	X		WR
	Metatarsal protection	X	X	M
	Ankle protection	X	X	AN
	Cut resistance	X	X	CR
Upper	Water penetration and absorption	X		WRU
Outsole	Resistance to hot contact	X	X	HRO
	Resistance to fuel oil	X	X	FO

### NOTE

The applicability of a requirement to a particular property is indicated by an X.

## PENETRATION RESISTANCE:

A non-metal, penetration-resistance insert is included. The penetration resistance of this footwear has been measured in the laboratory using a truncated nail of diameter 4.5mm and a force of 1100N. A higher force or nails of smaller diameter will increase the risk of penetration occurring. Consider alternatives if needed.

Both metal and non-metal inserts meet the minimum requirements for penetration resistance of the standard marked on this footwear but each have different attributes.

Non-metal may be lighter, more flexible and provide greater coverage area, but the penetration resistance may vary more depending on the shape of the sharp object/hazard (ie diameter, geometry, sharpness).

## SLIP RESISTANCE:

This safety footwear has been tested against EN ISO 20345:2011 for slip resistance and this is reflected by the SRC marking. This represents a generic test for assessing performance on water-based and oil-based contaminants.

Marking of Product for Slip Resistance Properties	Marking Code
Ceramic Tile with Sodium Lauryl Sulphate	SRA
Steel with Glycerol	SRB
Ceramic Tile with Sodium Lauryl Sulphate and Steel with Glycerol	SRC

\*Note: Slippage may still occur in certain environments.

Footwear resistant to slip on a ceramic tile floor with sodium lauryl sulphate shall fulfil the requirement.

Test Conditions	Coefficient of Friction
Condition A (forward heel slip)	≥0.28
Condition B (forward flat slip)	≥0.32

Footwear resistant to slip on a steel floor with Glycerine shall fulfil the requirement.

Test Conditions	Coefficient of Friction
Condition C (forward heel slip)	≥0.13
Condition D (forward flat slip)	≥0.18