

TOUGH GRITT | COMFORT FITT™



SAFETY BOOTS

www.grittgear.co.za

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CLASSIFICATION

S1:

- STEEL TOE CAP WITH IMPACT
- **PROTECTION OF 200 JOULES**
- SAFETY BASIC
- CLOSED SEAT REGION
- ANTISTATIC
- ENERGY ABSORPTION OF SEAT REGION ANTISTATIC
- FUEL OIL RESISTANT OUTSOLES

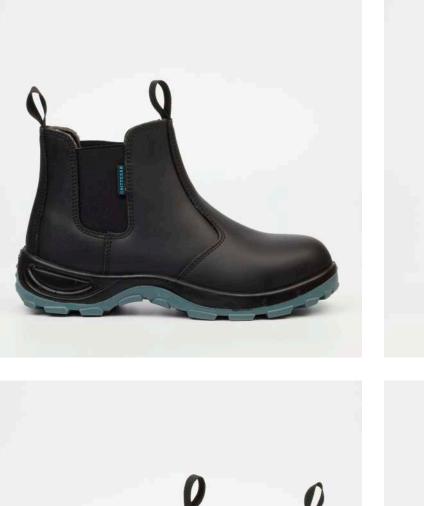
S1P:

- STEEL TOE CAP WITH IMPACT **PROTECTION OF 200 JOULES**
- STEEL MIDSOLE
- SAFETY BASIC
- CLOSED SEAT REGION

- - ENERGY ABSORPTION OF SEAT REGION
 - FUEL OIL RESISTANT OUTSOLES
 - WATER RESISTANT OF UPPER

S3:

- STEEL TOE CAP WITH IMPACT
- PROTECTION OF 200 JOULES
- STEEL MIDSOLE
- SAFETY BASIC
- CLOSED SEAT REGION
- ANTISTATIC
- ENERGY ABSORPTION OF SEAT REGION
- FUEL OIL RESISTANT OUTSOLES
- WATER RESISTANT OF UPPER
- PENETRATION RESISTANT OF OUTSOLE
- CLEATED OUTSOLE





MANGANO

SMOOTH COW LEATHER

SPECIFICATIONS:

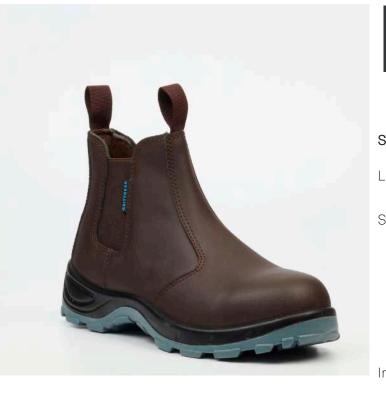
Lining:	Air Mesh
Sole:	Dual density Polyurethane with aesthetically designed dual colour outsole; Shock absorber; Extra grip Oil resistant; Antistatic and Slip restistant
Insole:	Infused foam; Antistatic Removeable sock
Upper:	Steel toe cap with impact Protection of 200 joules
COLOURS:	BLACK
	CHOCOLATE
SIZES:	3-13











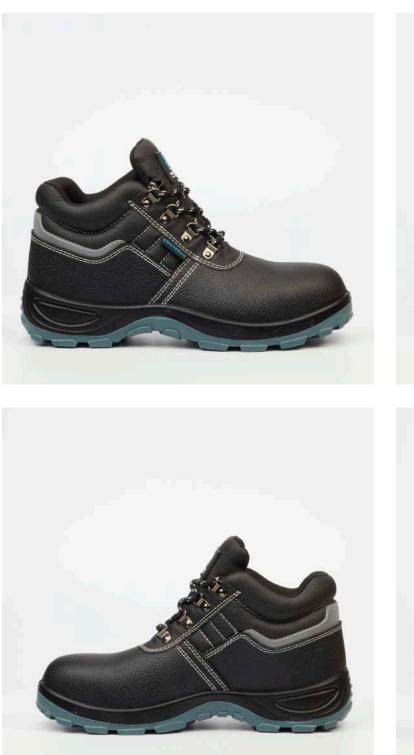


MANGANO

SMOOTH COW LEATHER

Lining:	Air Mesh
Sole:	Dual density Polyurethane with aesthetically designed dual colour outsole; Shock absorber; Extra grip Oil resistant; Antistatic and Slip restistant
Insole:	Infused foam; Antistatic Removeable sock
Upper:	Steel toe cap with impact Protec tion of 200 joules
COLOURS:	BLACK
	CHOCOLATE
SIZES:	3-13







DOLOMITE

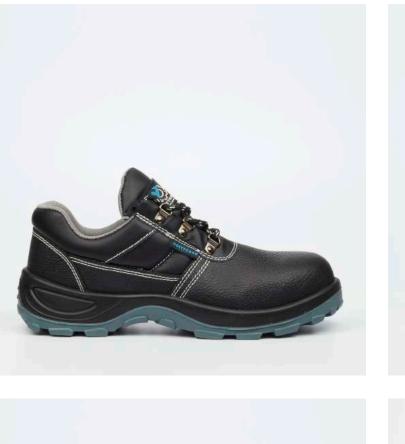
SPLIT COW LEATHER

SPECIFICATIONS:

Lining:	Air Mesh
Sole:	Dual density Polyurethane with aesthetically designed dual colour outsole; Shock absorber; Extra grip Oil resistant; Antistati and Slip restistant
Eyelets:	Metal loop eyelets
Insole:	Infused foam; Antistatic Removeable sock
Upper:	Steel toe cap with impact Protec tion of 200 joules; Reflector tape
COLOURS:	BLACK
SIZES:	3-13

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ISO CE









MAGNESITE

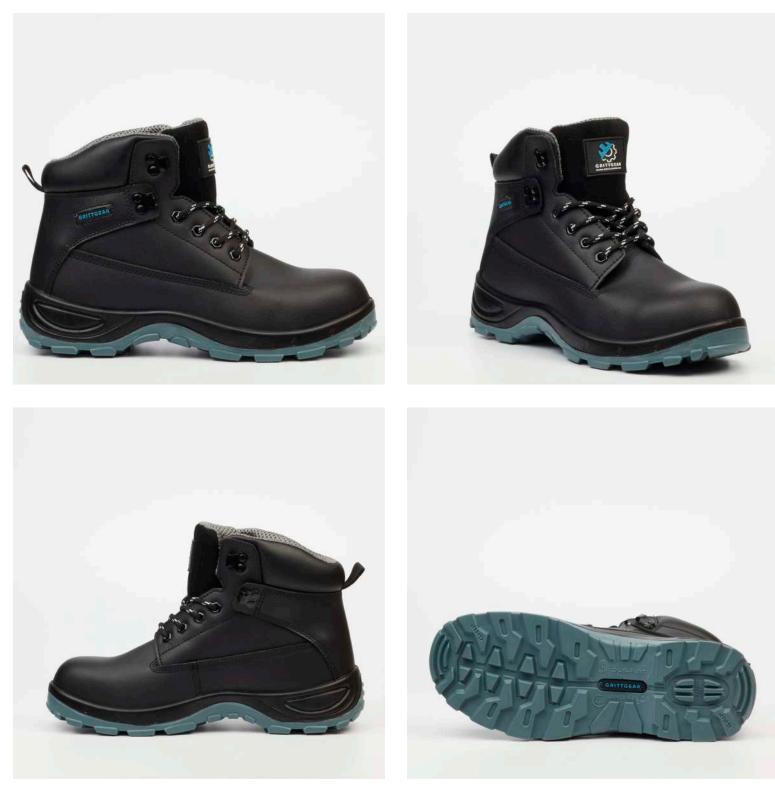
SPLIT COW LEATHER

SPECIFICATIONS:

ISO CE

Lining:	Air Mesh
Sole:	Dual density Polyurethane with aesthetically designed dual colour outsole; Shock absorber; Extra grip Oil resistant; Antistati and Slip restistant
Eyelets:	Metal loop eyelets
Insole:	Infused foam; Antistatic Removeable sock
Upper:	Steel toe cap with impact Protec tion of 200 joules
COLOURS:	BLACK
SIZES:	3-13





QUARTZ

SMOOTH COW LEATHER

SPECIFICATIONS:

Lining:	Air Mesh; Comfort Collar
Sole:	Dual density Polyurethane with aesthetically designed dual colour outsole; Shock absorber; Extra grip Oil resistant; Antistatic; Steel Midsole and Slip restistant
Eyelets:	Metal hole + Hooks
Insole:	Infused foam; Antistatic Removeable sock
Upper:	Steel toe cap with impact Protec tion of 200 joules
COLOURS:	BLACK
	CHOCOLATE
SIZES:	3-13

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ISO CE







QUARTZ

SMOOTH COW LEATHER

Lining:	Air Mesh; Comfort Collar
Sole:	Dual density Polyurethane with aesthetically designed dual colour outsole; Shock absorber; Extra grip Oil resistant; Antistatic; Steel Midsole and Slip restistant
Eyelets:	Metal hole + Hooks
Insole:	Infused foam; Antistatic Removeable sock
Upper:	Steel toe cap with impact Protec tion of 200 joules
COLOURS:	BLACK
	CHOCOLATE
SIZES:	3-13











SLATE

CRAZY HORSE LEATHER

Lining:	Air Mesh; Comfort Collar
Sole:	Dual density Polyurethane; Rubber outer sole; Kevlar mid sole; Steel toe cap with impact Protection of 200 joules; Up to 300 degrees heat resistant; Slip restistant; Oil resistant and Bull nose
Insole:	Antstatic Supreme comfort infused foam sock
Upper:	Water resistant; Heat resistant
COLOURS:	BLACK
	CHOCOLATE
SIZES:	5-13











SLATE

CRAZY HORSE LEATHER

Lining:	Air Mesh; Comfort Collar
Sole:	Dual density Polyurethane; Rubber outer sole; Kevlar mid sole; Steel toe cap with impact Protection of 200 joules; Up to 300 de grees heat resistant; Slip restistant; Oil resistant and Bull nose
Insole:	Antstatic Supreme comfort infused foam sock
Upper:	Water resistant; Heat resistant
COLOURS:	BLACK
	CHOCOLATE
SIZES:	5-13











SLATE

LEATHER

SPECIFICATIONS:

Lining:	Air Mesh; Comfort Collar
Sole:	Dual density Polyurethane; Rubber outer sole; Kevlar mid sole; Steel toe cap with impact Protection of 200 joules; Up to 300 degrees heat resistant; Slip restistant; Oil resistant and Bull nose
Insole:	Antstatic Supreme comfort infused foam sock
Upper:	Heat resistant
COLOURS:	BLACK
SIZES:	5-13











FLINT

CRAZY HORSE LEATHER

SPECIFICATIONS:

Lining:	Air Mesh; Comfort Collar
Sole:	Dual density Polyurethane; Rubber outer sole; Kevlar mid sole; Steel toe cap with impact Protection of 200 joules; Up to 300 degrees heat resistant; Slip resti stant; Oil resistant and Bull nose
Eyelets:	Metal hole + Hooks
Insole:	Antstatic Supreme comfort infused foam sock
Upper:	Water resistant; Includes extra lace (Black + Cyan GRITTGEAR FLEC)
COLOURS:	BLACK
	CHOCOLATE
SIZES:	5-13











FLINT

CRAZY HORSE LEATHER

SPECIFICATIONS:

Lining:	Air Mesh; Comfort Collar
Sole:	Dual density Polyurethane; Rubber outer sole; Kevlar mid sole; Steel toe cap with impact Protection of 200 joules; Up to 300 degrees heat resistant; Slip resti stant; Oil resistant and Bull nose
Eyelets:	Metal hole + Hooks
Insole:	Antstatic Supreme comfort infused foam sock
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COLOURS:	BLACK
	CHOCOLATE
SIZES:	5-13

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FLINT

LEATHER

SPECIFICATIONS:

Lining:	Air Mesh; Comfort Collar
Sole:	Dual density Polyurethane; Rubber outer sole; Kevlar mid sole; Steel toe cap with impact Protection of 200 joules; Up to 300 degrees heat resistant; Slip resistant; Oil resistant and Bull nose
Eyelets:	Metal hole + Hooks
Insole:	Antstatic Supreme comfort infused foam sock
Upper:	Includes extra lace (Black +Cyan
	GRITTGEAR FLEC)
COLOURS:	BLACK
SIZES:	5-13







GARNET 2

SMOOTH LEATHER

Lining:	Air Mesh
Insole:	Infused foam
COLOURS:	BLACK
SIZES:	5 -12











GARNET 1

SMOOTH LEATHER

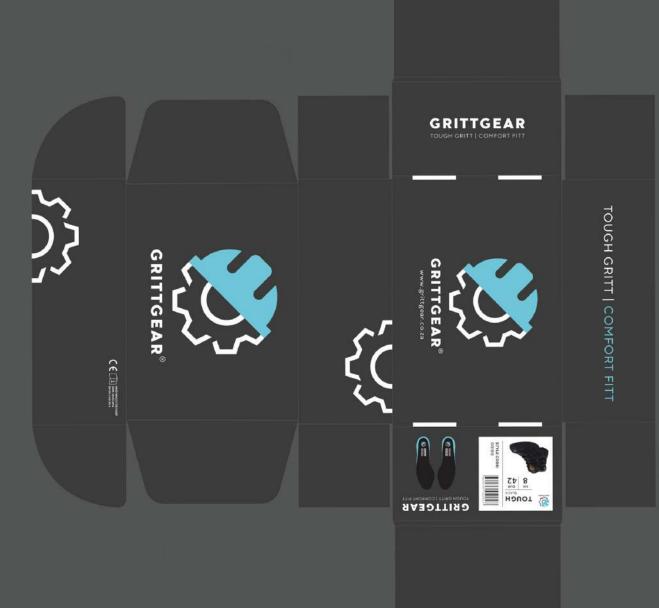
Lining:	Air Mesh
Insole:	Infused foam
COLOURS:	BLACK
SIZES:	5 -12







PACKAGING

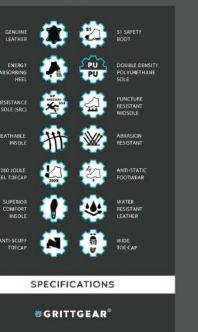






SWINGTAG









GRITTGEAR's PU and engineered infused foam insole, with its breathable, moisture-absorbing, and fast-drying foam structure, enhances full surface support. It encompasses various other features like arch support, heel support, and air-breathable technology.

> GRITTGEAR's infused foam insole ensures all-day comfort.

INFUSED FOAM ENGINEERED FOR COMFORT

SRITTGEAR®



Understanding the slip resistance of your safety shoes and boots is crucial in avoiding workplace accidents. The GRITTGEAR comfort footwear line undergoes rigorous testing in laboratory settings to achieve a slip resistance rating. These ratings are denoted as SRA, SRB, or SRC.

SRA-rated soles undergo testing on ceramic tiles wetted with diluted soap solution, while SRB-rated soles are tested on smooth steel with glycerol.

SRC-rated soles successfully pass both the SRA and SRB slip resistance tests.

CECERTIFIED SLIP RESISTANT

SGRITTGEAR®



The infused foam insole by GRITTGEAR incorporates a steel toe cap designed to shield your toes from falling objects during work, offering impact resistance of up to $200 \pm 4J$.

Steel, known for its inherent strength, is utilized as the toe cap material in footwear. Its thinner profile not only enhances protection but also provides additional space around the toes, enhancing the comfort of your safety boots or shoes.

200 JOULE TOE CAP

🕏 GRITTGEAR®



TOUGH GRITT | COMFORT FITT

S1, S1P & S3 SAFETY BOOT GUIDE

GrittGeat* boots, crafted with premium Crazy Horse, are stylish safety work boots with an integrated steel toecap and midsole that has an oil, slip, and heat-resistant outsole designed to protect the wearer from mechanical and anti-static shock hazards.

Made from durable full-grain Crazy Horse leather with a natural wax coating, resulting in a rugged upper finish that is chromium VI-free, inherently breathable, flexible, and soft, with excellent tear and abrasion-resistant properties, making these boots comfortable for daily wear.

These boots are suitable for various industries, including warehouse, freight, mining, engineering, and construction. GrittGear* safety footwear is manufactured using the state-of-the-art DESMA 24-station Robotic machine, employing a direct injection moulding process to create a high-quality PU outsole.

As these boots have anti-static properties, they protect workers, sensitive equipment, and components from electrostatic discharges present in general manufacturing industries, refineries, computer equipment manufacturing, the medical industry, and many other environments.

* GRITTGEAR*



KEY FEATURES

Heat insulation up to 95°C

Cleated outsole for added traction
 Energy-absorption heel for comfort
 Wider toecap for extra room and comfort
 Oil and slip-resistant outsole, SRC certified.
 Steel midsole for protection against penetration
 impact-resistant steel toecap rated up to 200 ± 4 Joules
 Scuff cap for extra toe reinforcement and increased durability
 Dual-density PU lightweight outsole with anti-static technology
 Polyester pull tags + elastic side gussets for easy donning and doffing
 Removable breathable PU + Memory Foam insock for superior comfort

MATERIALS UPPER: Ox Crazy Horse leather INSOLE: Anti-static non-woven material FULL REMOVABLE INSOCK: Polyurethane with memory foam. TOECAP: Steel, impact resistant up to 200J ± 4J Outsole: Dual-density PU (Polyurethane)

GRITTGEAR*

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REFERENCES: ISO 20345: 2011

STANDARD

This safety footwear adheres to the EC Directive for Personal Protective Equipment (Directive 89/686/EEC) and satisfies the specifications outlined in the European standard EN ISO 20345:2011. The footwear is crafted using a combination of synthetic and natural materials that comply with the applicable sections of EN ISO 20345:2011 to ensure performance and quality.

The primary aim of safety footwear is to reduce the risk of injury caused by the wearer during usage. It is intended to be used alongside a safe working environment and cannot entirely eliminate the possibility of injury if an accident occurs beyond the testing parameters of EN ISO 20345/2011.

TOECAPS

GrittGeat[®] protective boots come equipped with toecaps. These toecaps serve to shield the wearer's toes from potential injury caused by failing objects and crushing in industrial and commercial settings where hazards are prevalent. They offer primary protection alongside any supplementary safeguards applicable in the following way:

The impact protection level is rated at 200 Joules. Compression protection is provided up to 15,000 Newtons.

MARKINGS

The marking on the footwear indicates that it complies with the PPE Directive and is detailed as follows:



SAFETY BOOTS

This category of work footwear fulfills the basic safety criteria. Key elements of an S1 safety shoe include:

1. Protective toe cap: Shields toes against impact, sharp objects, or pressure from fails.

Antistatic sole: Safely disperses electrical charges, minimizing the potential for electrostatic discharges.

 Shock-absorbing heel: Minimizes impact on joints and the body. An S1 safety shoe is well-suited for dry working conditions.



What sets apart S1 from S1P? The 'P' in S1P signifies 'perforation', indicating that S1P work shoes come with an anti-perforation system, safeguarding against nails or splinters piercing the foot soles. Apart from this, S1P safety shoes share the same characteristics as S1 work shoes. Here's a summary of these features:

1. Both \$1 and \$1P feature a robust toecap, providing essential toe protection.

Antistatic properties in both types decrease the risk of electrostatic discharges.

3. An energy-absorbing heel is present in both, reducing impact on heels and the body.

🏟 SAFETY BOOTS

What does the designation "53" signify in occupational footwear? Well, this particular category is widely favored due to its comprehensive protection on the workplace floor. Here's a summary of its key attributes:

 Impenetrable midsole: Unlike its \$1 and \$2 counterparts, \$3 work shoes feature an anti-perforation midsole, preventing nalls or glass shards from penetrating and causing foot injuries.

2. Waterproof construction: S3 safety shoes are highly suitable for work environments exposed to wet or damp conditions.

3. Protective toecap: Shields toes from sharp objects.

 Slip-resistant outsole: Ensures secure traction on various slippery surfaces.

Antistatic properties: Reduces the risk of electrostatic discharges.
 Energy-absorbing heel: Minimizes impact on the body.

These safety shoes are specifically engineered for work settings demanding heightened protection levels, such as construction sites, warehouses, and industrial facilities. Opt for S3 footwear for optimal safety, protection, and comfort throughout your daily tasks.

* GRITTGEAR*



ADDITIONAL REQUIREMENTS FOR SPECIAL APPLICATION

Additional protection may be provided and this is identified on the product by its marking as follows:

PROTECTION TYPE	LEVEL	MARKING CODE
Penetration Resistance	1100 Newtons	
Electrical Properties:		
Conductive	>100 kΩ	
Antistatic	100kΩ to 1000MΩ	
Electrical Insulating	Class 0 or 00	
Resistance to inimical environments:		
Insulation against cold	insole decrease	
	in temperature >10 0C	
Insulation against heat	Insole Increase	
	in temperature < 22 °C	н
Energy absorption of seat region	20 Joules	
Water resistance	no water penetration	
	before 15min.	WR
Metatarsal protection	as per 6.2.6.2 (table 15)	
Ankle protection	AM >20kN (max 30kN)	AN
Water resistant uppers	0.2g@30%	WRU
Cut resistant upper	cut factor less than 2.5	CR
Resistance to hot contact	300°C	HRO
Resistance to fuel oil t is important that the footwear selecte required and wear environment.	d for use must be suitable for the	protection
Where a wear environment is not known carried out between the seller and the p correct footwear is provided.		

Slip Resistance Requirement

This footwear has been successfully tested against the EN ISO 20344:2011, clause 5.3.5.2, 5.3.5.3 or 5.3.5.4 and the following marking symbols apply.

SLIP RESISTANCE PROPERTIES	MARKING CODE
Slip resistance on ceramic tile floors with NaLS	SRA
Slip resistance on steel floor with glycerine	SRB
Slip resistance on ceramic tile floor with *NaLS and	
on steel floor with alycerine	SRC
*NaLS =sodium lauryl sulphate	

CATEGORY	CLASS (*) and (**)	REQUIREMENT
5B		Impact & Compression
S1		5B + Closed Seat + A + E
51P		51 + P
S2		S1 + WRU
\$3		52 + P + Cleated Outsole
54	1	SB + A + E
55		54 + P + Cleated Outsole

Insock

This boot is supplied with a removable insock. Please note testing was carried out with the insockin place. This boot shall only be used with the insock in place. The insock shall only be replaced by a comparable insock from the supplier.

* GRITTGEAR

ANTI-STATIC FOOTWEAR

When necessary to minimize electrostatic buildup and dissipate charges, anti-static footwear should be utilized to mitigate the risk of spark ignition from flammable substances or vapors, and to reduce the potential for electric shock from electrical apparatus or live parts. It's important to note that while anti-static footwear introduces resistance between the foot and the floor, it cannot guarantee complete protection against electric shock. Therefore, additional precautions are essential where the risk of electric shock persists. These precautions, along with additional tests mentioned below, should be incorporated into the workplace's accident prevention program.

Experience has demonstrated that for effective anti-static purposes, the discharge path through a product should typically maintain an electrical resistance of less than 1,000 MD throughout its useful life. A minimum resistance limit of 100 kD is specified for new products to offer some protection against dangerous electric shock or ignition at voltages up to 250 V. However, users should be aware that under certain conditions, the footwear may provide inadequate protection, necessitating additional measures to ensure the wearer's afety.

The electrical resistance of anti-static footwear can be significantly altered by flexing, contamination, or moisture. Therefore, the footwear may not function as intended when worn in wet conditions. It is imperative to verify that the product can effectively dissipate electrostatic charges and provide protection throughout its lifespan. Establishing an in-house test for electrical resistance, conducted regularly and frequently, is recommended.

Class I footwear can absorb moisture and may become conductive if worn for extended periods in moist or wet conditions. Additionally, if the soling material becomes contaminated during wear, users should verify the footwear's electrical properties before entering hazardous areas.

When using anti-static footwear, the flooring's resistance should not compromise the protection provided by the footwear. Insulating elements should not be introduced between the inner sole of the footwear and the wearer's foot. If any insert is placed between the inner sole and the foot, the combination of footwear and insert should be checked for its electrical properties.

SPECIAL INSTRUCTIONS

All safety protective footwear should be thoroughly inspected before use to ensure no damage is present.

 If safety boots are damaged during use, suitable protection is not guaranteed and must be replaced immediately.

 PU (Polyurethane) outsole compositions are not resistant to water contact such as wet or muddy environments. (Only footwear made entirely of plastic or rubber is classified as water-resistant.)

As PU (Polyurethane) becomes brittle, wear the boot regularly to maintain flexibility and support the lifespan of this boot.

None of the materials or processes used in the manufacture of these products are known to be harmful to the wearer.

 Safety footwear shall not adversely affect the health or hygiene of the user. Safety footwear shall be made of materials such as textiles, leather, rubbers, or plastics that have been shown to be chemically suitable. The materials shall not, in the foreseeable conditions of normal use, release or degrade to release substances generally known to be toxic, carcinogenic, mutagenic, allergenic, toxic to reproduction, or otherwise harmful.

The manufacturer has examined the system for ensuring the quality of roduction through monitoring and inspection.

These safety boots are designed to accommodate the basic safety requirements and standards for Personal Protective Equipment.

 The information contained herein is intended to assist the wearer in the selection of personal protective equipment. Actual conditions of use cannot be directly simulated in a test environment; therefore, it is the responsibility of the end user, and not the manufacturer or supplier, to determine the footwear's suitability for the intended use.

 It is important to note that footwear is subject to different conditions encountered in everyday use, and it is impossible to make footwear resistant to slip in all conditions. Nevertheless, problems are minimized if the guideline coefficients of friction are achieved.

 If the footwear is cared for and worn in the correct working environment and stored in dry ventilated conditions, it should give a good wear life without the premature failure of the outsole, upper, and upper stitching.

COMPLIANCE & CONFORMITY

Complies with the requirements of CE type examinations, EN ISO 20345:2011 that specify basic and additional (optional) requirements for safety footwear used for general purposes. It includes, for example, mechanical risks, slip resistance, thermal risks, and ergonomic behavior for compliance with directive 89/686/EEC.

* GRITTGEAR

CLEANING & MAINTAINANCE

After each use, wipe dirt & mud off boots with a damp cloth & detergent.

 Allow boots to air dry at room temperature thoroughly between uses.
 Avoid drying boots near heat sources & dry them carefully to prevent damage fromabrupt temperature changes.

Do not leave safety boots contaminated if you plan to reuse them, especially in hazardous conditions.

Due to the diverse materials and contaminants encountered by footwear, it is advisable to consult a professional cleaning service for the best cleaning method,

PACKAGING, STORAGE & OBSOLESCENCE

Boots are packed as individual pairs in a box

Store in a cool, dry place away from direct sunlight to avoid leather damage. Recommended storage conditions (temperature and relative humildity) ensure proper footwear per formance.

Footwear with PU outsoles is biodegradable but can undergo Hydrolysis if stored in dark moist, or wet environments for extended periods. Regular footwear use and storage in a dry, well-ventilated area help prevent early degradation.

The packaging box is suitable for storing the footwear when not in use. Avoid placing heavy objects on top of the box containing footwear to prevent



WARRANTY & RETURNS

Each return and warranty request is evaluated individually. Our policy regarding returns and warranties can be provided upon request.

DISPOSAL

oper disposal of all industrial waste should adhere to local regulations id best practices. Kindly consider recycling options.

GrittGear⁴: 23 Spartan Crescent, Marlboro, 2090, South Africa (011 402 0312 😆 info@grittgear.co.za www.grittgear.co.za

een menn te syntamie dans eine staat etse maa neue ooz timer a neueroof, oon tage often staats, senart, bâkbarys 100000 takin werd of eine spanston is eine dan pool tachte staat onte en eine en spansted effecties en een oorten oorte congetydeeen



Ø GRITTGEAR[®]

DANGEE | CARKEN® FIRST IN SAFETY FOOTWEAR™

www.grittgear.co.za