



**GRITTGEAR<sup>®</sup>**

TOUGH GRITT | COMFORT FITT<sup>™</sup>



# SAFETY BOOTS



[www.grittgear.co.za](http://www.grittgear.co.za)



## CLASSIFICATION

### S1:

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

### S1P:

- 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

### 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 resistant

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

## SPECIFICATIONS:

Lining: Air Mesh

Sole: Dual density Polyurethane with aesthetically designed dual colour outsole; Shock absorber; Extra grip Oil resistant; Antistatic and Slip resistant

Insole: Infused foam; Antistatic Removeable sock

Upper: Steel toe cap with impact Protection 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; Antistatic and Slip resistant

Eyelets: Metal loop eyelets

Insole: Infused foam; Antistatic  
Removeable sock

Upper: Steel toe cap with impact Protection of 200 joules; Reflector tape

COLOURS: BLACK

SIZES: 3-13



# MAGNESITE

## SPLIT 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 resistant

Eyelets: Metal loop eyelets

Insole: Infused foam; Antistatic  
Removeable sock

Upper: Steel toe cap with impact Protection 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 resistant

Eyelets: Metal hole + Hooks

Insole: Infused foam; Antistatic Removeable sock

Upper: Steel toe cap with impact Protection of 200 joules

COLOURS: BLACK

CHOCOLATE

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 resistant

Eyelets: Metal hole + Hooks

Insole: Infused foam; Antistatic  
Removeable sock

Upper: Steel toe cap with impact Protection of 200 joules

COLOURS: BLACK

CHOCOLATE

SIZES: 3-13



# SLATE

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 resistant; 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

## 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

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 resistant; 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 resistant; Oil resistant and Bull nose

Eyelets: Metal hole + Hooks

Insole: Antstatic **Supreme comfort** infused foam sock

Upper: Water resistant; Includes extra lace  
(Black + Cyan GRITTEAR FLECO)

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 resistant; Oil resistant and Bull nose

Eyelets: Metal hole + Hooks

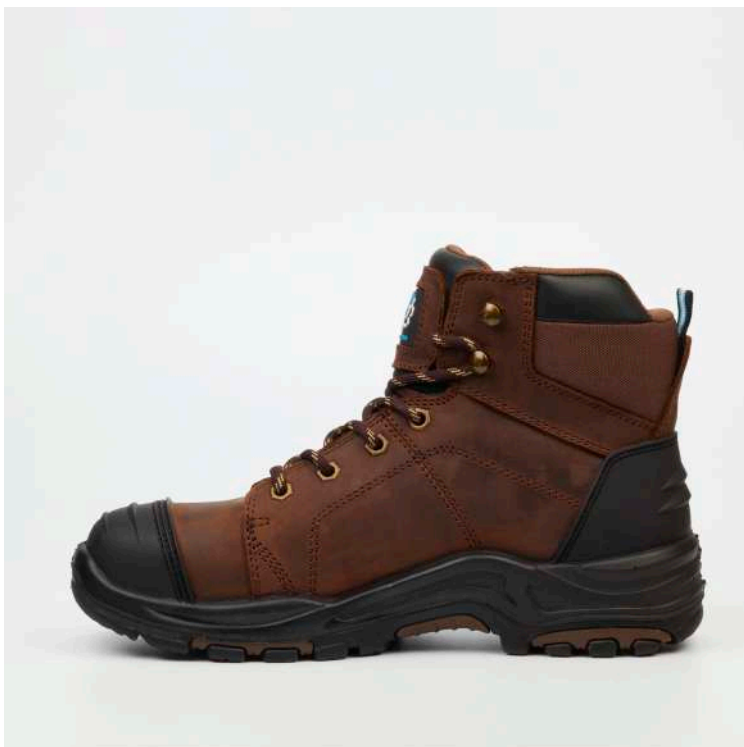
Insole: Antstatic **Supreme comfort** infused foam sock

Upper: Water resistant; Includes extra lace  
(Black + Cyan GRITTEAR FLEC)

COLOURS: BLACK

CHOCOLATE

SIZES: 5-13



# 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

## SPECIFICATIONS:

Lining: Air Mesh

Insole: Infused foam

COLOURS: BLACK

SIZES: 5 - 12





# GARNET 1

SMOOTH LEATHER

## SPECIFICATIONS:

Lining: Air Mesh

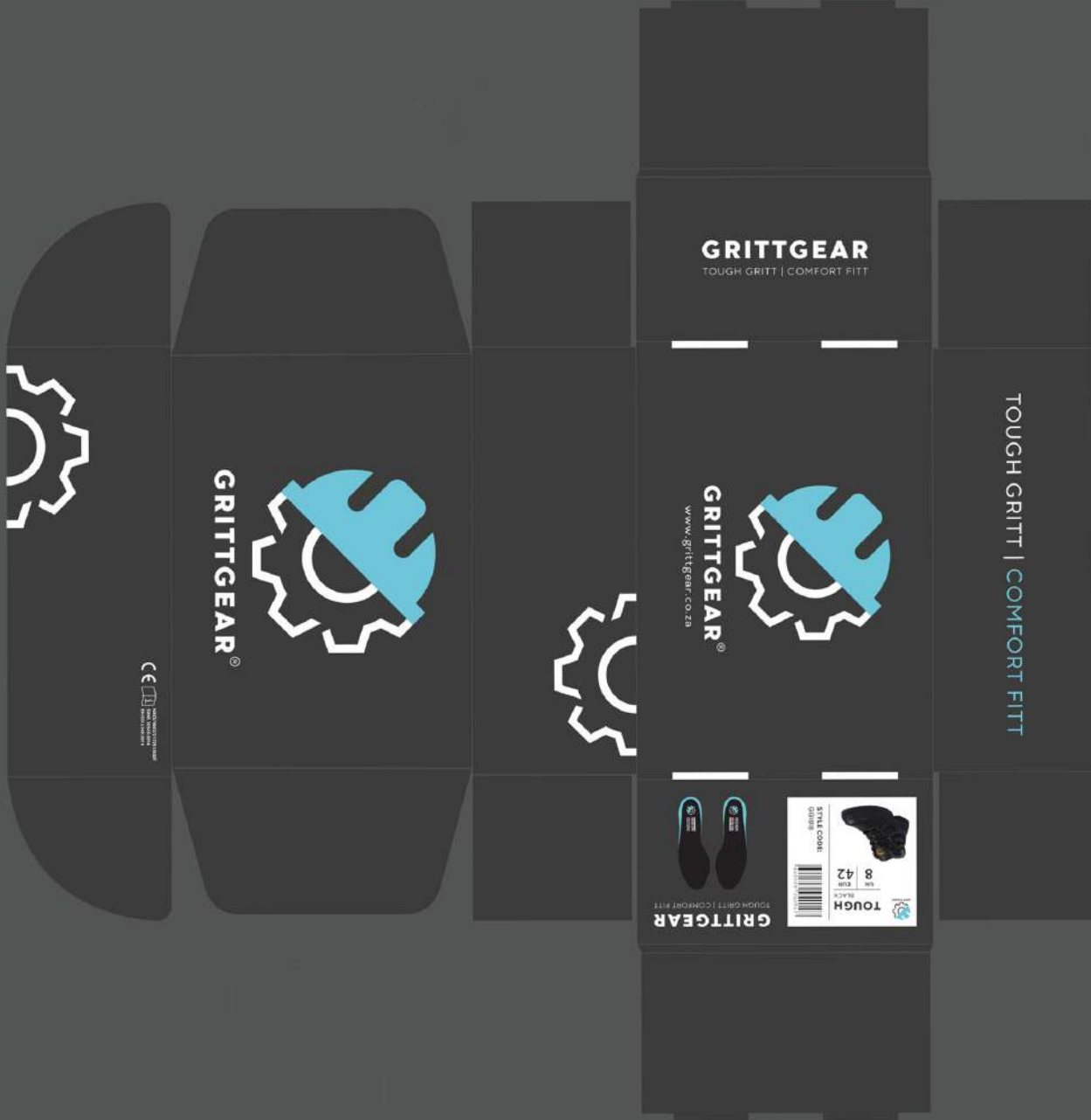
Insole: Infused foam

COLOURS: BLACK

SIZES: 5 - 12



# PACKAGING



# SWINGTAG



**GRITTGEAR®**




TOUGH GRIT | COMFORT FITT

**SAFETY BOOT**  
Model: SK177

NRCS /0002/217251/0005  
SANS 20345:2014  
EN ISO 20345:2001

CE

www.grittgear.co.za

GENUINE LEATHER			S1 SAFETY BOOT
ENERGY ABSORBING HEEL			DOUBLE DENSITY POLYURETHANE SOLE
SLIP RESISTANCE SOLE (SRC)			PUNCTURE RESISTANT MIDSOLE
BREATHABLE INSOLE			ABRASION RESISTANT
200 JOULE STEEL TOE CAP			ANTI-STATIC FOOTWEAR
SUPERIOR COMFORT INSOLE			WATER RESISTANT LEATHER
ANTI-SCUFF TOE CAP			WIDE TOE CAP

**SPECIFICATIONS**

**GRITTGEAR®**



Understanding the classification of your safety footwear will ensure that you choose a shoe or boot that offers you the ideal level of protection:

 S1 = Closed Seat + Anti-static + Energy Absorbing Heel + Resistance to Fuel Oil

 S1P = Water Resistant Upper

 S3 = Puncture Resistant Sole ≥ 1,100N + Cleated Outsole

**S1 SAFETY SHOE**

**GRITTGEAR®**



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**

**GRITTGEAR®**



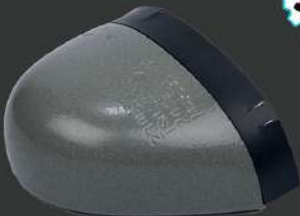
Understanding the slip resistance of your safety shoes and boots is crucial in avoiding workplace accidents. The GRITTGEAR® comfort footwear line undergoes rigorous testing in laboratory settings to achieve a slip resistance rating. These ratings are denoted as SRA, SRB, or SRC.

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.

**CE CERTIFIED SLIP RESISTANT**

**GRITTGEAR®**



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 ± 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®**



## 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	P
Electrical Properties:		
Conductive	>100 kΩ	C
Antistatic	100kΩ to 1000MΩ	A
Electrical Insulating	Class 0 or 00	I
Resistance to inimical environments:		
Insulation against cold	insole decrease in temperature >10 °C	CI
Insulation against heat	insole increase in temperature < 22 °C	HI
Energy absorption of seat region	20 Joules	E
Water resistance	no water penetration before 15min.	WR
Metatarsal protection	as per 6.2.6.2 (table 15)	M
Ankle protection	AM >20kN (max. 30kN)	AN
Water resistant upper	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	Am 3-1% WASH-OIL A >10	FO

It is important that the footwear selected for use must be suitable for the protection required and wear environment. Where a wear environment is not known, it is very important that consultation is carried out between the seller and the purchaser to ensure, where possible, the 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 glycerine	SRC
*NaLS = sodium lauryl sulphate	

Note: Slipage may still occur in certain environments. Washing is required of safety footwear.

CATEGORY	CLASS (*) and (**II)	REQUIREMENT
S8	I	Impact & Compression
S1	I	S8 + Closed Seat + A + E
S1P	I	S1 + P
S2	I	S1 - WRU
S3	I	S2 + P + Cleated Outsole
S4	II	S8 + A + E
S5	II	S4 + P + Cleated Outsole

### Insock

This boot is supplied with a removable insock. Please note testing was carried out with the insock in 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.



## 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 MΩ throughout its useful life. A minimum resistance limit of 100 kΩ 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 safety.

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 soiling 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 production through monitoring and inspection.
- These safety boots are designed to accommodate the basic safety requirements and standards for Personal Protective Equipment.
- Do not use these boots near a fire or open flame.
- 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.



## 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 from abrupt 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 humidity) ensure proper footwear performance.

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 damage.



## WARRANTY & RETURNS

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

## DISPOSAL

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

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DANGEE | CARKEN®

FIRST IN SAFETY FOOTWEAR™

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