

FULL DESCRIPTION OF GOODS/ SERVICE REQUIRED

Description/
PROTECTIVE FOOTWEAR
<u>Chemical-resistant safety boot</u> Specification <ul style="list-style-type: none">- Upper part of boot: Chemical-resistant upper material- Toe cap: Steel- Sole: Dual Density PU/PU, PU/Rubber or PU (Polyurethane)/Nitrile Rubber (Heat resistant up to 95 °C)- Bellows tongue prevents liquids and particulates from entering the boot- Colour: Predominantly black or brown- Acid, Slip, Oil and Static Resistant- Shock absorbent- Chemically resistant boot certified to EN 13832-3:2018 (Chemical Protective Footwear), preferably. Sizes: 4-13
<u>Chemical and Heat-resistant safety boot</u> Specification <ul style="list-style-type: none">- Upper part of boot: Leather.- Toe Cap: Steel- Sole: Dual Density PU/PU, PU/Rubber or PU (Polyurethane)/Nitrile Rubber (Heat resistant up to 300°C)- Lace Up boots.- Leather spat covering to shield laces.- Bellows tongue prevents liquids and particulates from entering the boot- Colour: Predominantly black or brown- Acid, Slip, Oil and Static Resistant Sizes: 4-13
<u>Chemical and Heat-resistant safety boot</u> Specification <ul style="list-style-type: none">- Upper part of boot: Chemical-resistant upper material- Toe Cap: Steel

- Sole: Dual Density PU/PU, PU/Rubber or PU (Polyurethane)/Nitrile Rubber (Heat resistant up to 300°C)
- Lace Up boots.
- Bellows tongue prevents liquids and particulates from entering the boot
- Colour: Predominantly black or brown
- Oil and Acid resistance and shock absorbent.

Sizes: 4-13

Ladies Chemical resistant Safety boot

Specification

- Upper part of boot: Chemical-resistant upper material
- Toe cap: Steel
- Sole: Dual Density Dual Density PU/PU, PU/Rubber or PU (Polyurethane)/Nitrile Rubber (Heat resistant up to 95 °C)
- Bellows tongue prevents liquids and particulates from entering the boot
- Colour: Predominantly black or brown
- Acid, Slip, Oil and Static Resistant
- Shock absorbent
- Chemically resistant boot certified to EN 13832-3:2018 (Chemical Protective Footwear), preferably.

Sizes: 3 – 8

Socks

- At least 80% cotton or wool (100% preferred).
- Ribbed cuff for secure fit
- Reinforced heel and toe
- Blister and flame-resistant yarn.
- Thermally balanced and odour-free
- Suitable for the hot metal industry

Fabric that is inherently flame-retardant or molten metal splash-resistant may also be considered. (Please provide a specification sheet)

Sizes: ALL

BODY SAFETY PROTECTION

BRANDED (EMBROIDERY) SUIT (SABS APPROVED)

Male Flame and Acid Suit (Jacket, Pants and Lab coats)**Specification:**

- 100% cotton and 320 gsm fabric
- 50 mm silver flame retardant double needle topstitches reflective tape on arms and legs.
- Concealed brass zip-on jacket and pants
- Mitred laid on jacket pockets, mitred breast pocket with flap, mitred hip pocket.
- Double-needle topstitched mitred back pocket.
- Full triple-needle topstitched garment

The suit MUST be flash fire, acid, and chemical resistant. It MUST meet the ISO 6530 and SANS 434, 1387-4 and 1423-1 standards.

SIZES: 28 - 68 Jacket

: 24 - 64 Pants

BRANDED (EMBROIDERY) SUIT (SABS APPROVED)**Female Flame and Acid Suit (Jacket, Pants and Lab coats)****Specification:**

- Ladies' cut and design.
- 100% cotton and 320 gsm fabric
- Flame retardant and coated acid-resistant fabric.
- 50 mm silver flame retardant double needle topstitches reflective tape on arms and legs.
- Concealed brass zip-on jacket and pants
- Mitred laid on jacket pockets, mitred breast pocket with flap, mitred hip pocket and tool pocket on pants.
- Side slits
- Double-needle topstitched mitred back pocket.
- Full triple-needle topstitched garment

The suit MUST be flash fire, acid, and chemical resistant. It MUST meet the ISO and SANS standards.

SIZES: S – 5 XL Jacket

: S – 5 XL Pants

T-shirt (EMBROIDERY)**Specification:**

- Navy blue
- Crew neck
- 175 g
- At least 80% Cotton Lycra
- Short and long-sleeve options

SIZES: S – 5 XL

Thermal Jacket (EMBROIDERY)

Specification:

- Flame and acid-treated thermal winter collared jacket.
- Rated to SANS 434, SANS 1387-4, SANS 1423-1, and ISO 6530 (HNO₃, HCL, H₂SO₄ and NaOH)
- 100% Cotton
- Outer: 320 gsm flame and acid retardant fabric
- Inner: 100 gsm flame retardant wadding
- Inner lining: 220 gsm flame retardant lining
- Flame retardant silver reflective tape on arms, waist, and upper abdomen.
- Double or triple needle topstitched on shoulders and armholes.
- A concealed heavy-duty nylon zip and plastic press stud closure
- 2 Large waist pockets, two chest pockets with flap and press stud closures
- Embroidery branding on chest pocket
- Colours: Dark blue or Orange

Suitable for use in general work environments such as engineering, smelting operations, mining, construction, oil and gas, petroleum, maintenance, repairs, and welding industries.

SIZES: S – 5 XL Jacket

RAINSUIT

Specification:

- Water-resistant, waterproof, or rubberised rain jacket and pants
- Double-stitched, sealed seams.
- Fixed hood
- Heavy-duty or chunky zip, outer storm flap
- 2 Large pockets with flaps
- Pants with an elasticated waistband
- It must either be a bright colour or have reflective tape.

Suitable for use in water and rain environments and mining industries.

SIZES: S – 5 XL

HEAD AND FACE PROTECTION

Hard hats (branded)

Specification:

- Polypropylene copolymer hard hat with Ratchet type adjustment and retractable ventilation holes
- Side slots for fitment of face and hearing protection
- MUST be tested for electrical isolation at 2000 volts and should be heat-resistant.
- Complies with SANS 1397:2003
- Certified with Industrial Safety Helmets and approved with Mining, Surface, and CE.
- Type 2: Shield against impacts from above, front, back, or sides
- Aluminium cap attachment must fit hard hat.
- White and branded

Aluminium cap attachment

Specification:

- Aluminium frame with a spring system to fit visor to hard hat.
- Adjustable frame that will allow the visor to be lifted without removal.

Clear face shield (without cap attachment)

Specification:

- Clear triacetate heat-resistant visor without cap attachment (Polycarbonate can be considered)
- Approximate dimensions: Width 44 cm, Length 25 cm, 1 mm thick
- SANS 50166, EN 166, or ANSI-ISEA Z87 approved.
- Provide protection against flying objects, particles, chemical splashes, molten metal splashes and penetration of hot solids.
- Compatible for use with half-mask respiratory protective devices.
- Ideally should fit the aluminium cap attachment.

Visor and brow guard carrier

Specification:

- Polycarbonate visor and brow guard carrier
- Elasticated adjustable headband
- Adjustable tilt and engage mechanism.
- Provide protection against flying objects, particles, chemical splashes, molten metal splashes and penetration of hot solids.
- Compatible for use with half-mask respiratory protective devices.
- SANS 50166, EN 166 or ANSI-ISEA Z87 approved.
- Required in Clear and Shade 3

Safety glasses

Specification

- Clear polycarbonate mono lens and adjustable temples
- Scratch-resistant and anti-fog lens.
- Available as a goggle and/or spectacle

The eye protection must be suitable for construction, mining, engineering workshops, chemical and welding industry.

Safety glasses (suitable for prescription glasses)

Specification

- Polycarbonate mono lens and adjustable temples
- Scratch-resistant lens.
- Anti-fog lens
- Clear
- Efficient indirect ventilation system
- Goggle and/or spectacle type suitable.

The eye protection must be suitable for construction, mining, engineering workshops, chemical and welding industry

HEARING PROTECTION

Earplugs with cord

Specification

- Ergonomically shaped disposable earplugs
- Earplug Material: Polyurethane (PU)
- Soft foam to ensure comfort when worn for extended periods.
- Excellent voice recognition
- Meet EN 352:2020 standard or SANS 1451-2

- Insulation of 37 decibels or more (H value 36 or more, L value 34 or more, M value 35 or more)
- Signal-to-noise ratio (SNR) 37

Suitable for use in extremely loud environments

Earplugs without cord

Specification

- Ergonomically shaped disposable earplugs
- Earplug Material: Polyurethane (PU)
- Soft foam to ensure comfort when worn for extended periods.
- Excellent voice recognition
- Meet EN 352:2020 standard.
- Insulation of 37 decibels or more (H value 36 or more, L value 34 or more, M value 35 or more)
- Signal-to-noise ratio (SNR) 37
- Suitable for use in extremely loud environments

HAND PROTECTION

Safety gloves EN388 and EN407 approved.

Specification

- High cut and abrasion resistance (Protect against tear and puncture hazards)
- High contact heat protection
- High grip power
- Colour UV-resistant.
- 100% Cut level 5 fibre.
- Ultra grip Nitrile coating
- Composite knitted wrist
- Lint-free and washable

Gloves must be suitable for assembling, steel and glass sheeting handling, mining, construction work, chemical handling, oil, and gas.

Sizes: All

Chemical safety gloves EN388, EN374-2 and EN374-3 approved.

Specification

- Green Nitrile unsupported (0.38mm) thick

- Micro flock lined for comfort.
- Textured palm, fingers and partially on the wrist for grip
- Washable
- Straight cuff
- 33cm length
- Resistant to Sodium Hydroxide 40%, Sulphuric Acid 96%, and n-Heptane

Sizes: 6-10

Green leather-lined welding gloves

Specification

- High abrasion resistance
- Style: Gunn cut, wing thumb, welted sewn with cotton
- Liner: 0,8mm \pm 5% cotton fleece
- Palm: Green dyed cow split leather 1mm \pm 5%
- Back: Green dyed cow split leather 1mm \pm 5%
- Cuff: 6-inch cow split leather elbow cuff lined with a laminated cotton and yellow trim
- Must comply with the requirements of EN420 for innocuousness, pH value >3.5 <9.5 and Chromium VI in leather must not exceed 3.0 mg/kg.

Suitable for welding-related operations

Sizes: All

Red elbow-length leather thermal gloves

Specification

- High abrasion, cut and heat resistance.
- Style: Red 40 cm length apron palm, gunn cut, wing thumb, welding glove
- Liner: Black cotton fleece
- Palm: 2.71 mm \pm 5%, Apron palm is 1.36 mm \pm 50%
- Back: 2.71 mm \pm 5%
- Cuff: 8-inch (20 cm) Red split leather cuff
- Must comply with the requirements of EN420 for innocuousness, pH value >3.5 <9.5 and Chromium VI in leather must not exceed 3.0 mg/kg.

Suitable for high heat and welding-related operations

Sizes: All

Premium pig leather gloves

Specification

- Style: Gunn cut, keystone thumb
- Liner: NIL
- Palm: Full grain leather 0.8 to 1.0 mm \pm 5%
- Back: Full grain 0.8 to 1.0 mm, shirred \pm 5%
- Cuff: Continuous side open cuff with polyester binding
- (refer to Size Available for cuff trim colour)

Sizes: All

RESPIRATORY PROTECTION

Disposable masks

Specification

- Low breathing resistance for increased wearer comfort
- Elasticated straps
- PP inner with no loose fibres
- Plastic or metal adjustable nose clip
- Protection class: FFP2
- Style: disposable, white cup-shaped, dust mask
- Protection Factor (NPF): 12.5 x OEL
- Assigned Protection Factor (APF): 10 x APF.
- Particulate size distribution: 0.6 μ m (MMD) and 0.4 μ m (SD)
- Total Inward Leakage: <8%
- Penetration: <6%
- CO₂ content of inhalation: < 1%
- Filtering Efficiency: 94 %
- Comply with SANS 10338:2009, SANS 50149:2003 and BS EN 149:2001

Suitable for 8-hour use against solid and water-based liquid aerosols.

Sizes: All

Respirators

Specification

- Twin cartridge, reusable, and adjustable half-mask respirator
- Face piece material: Silicone or thermoplastic rubber
- Adjustable head harness assembly

- Inward leakage: <5 % of the inhaled air and mean result not to exceed 2%.
- Respirator must be able to be used with one of the following cartridge or filter types:
 - o B1P2 (Inorganic class 1 and particulate filter class 2)
 - o A2P2 (Organic class 2 and particulate filter class 2)
 - o P3 (Particulate filter class 3)
 - o ABEK1 (Combination filter)
 - o K1 (Ammonia and organic ammonia class 1)

Sizes S, M and L

Respirators filters

Specification

- Cartridge and filters must fit the respirator specified above.
- Cartridge or filter types:
 - o B1P2 (Inorganic class 1 and particulate filter class 2)
 - o P3 (Particulate filter class 3)

AD HOC Items

Description

Chemical, Heat and Electrical resistant safety boot

Specification

- Upper part of boot: Leather.
- Toe Cap: Steel
- Sole: Dual Density PU/PU, PU/Rubber or PU (Polyurethane)/Nitrile Rubber (Heat resistant up to 300°C)
- Lace-up boots.
- Bellows tongue prevents liquids and particulates from entering the boot
- Colour: Predominantly black or brown
- Acid, Slip, Oil and Static Resistant
- Shock absorbent
- Electrical resistance up to or more than 20 KV for 60 seconds

Sizes: 4-13

Chemical and heat-resistant safety boot (Non-metallic)

Specification

- Upper part of boot: Leather
- Toe Cap: 200 J composite non-metallic toe cap

- Sole: Dual Density PU/PU, PU/Rubber or PU (Polyurethane)/Nitrile Rubber (Heat resistant up to 300°C)
- Lace Up boots (Non-metallic eyes)
- Bellows tongue prevents liquids and particulates from entering the boot
- Colour: Predominantly black or brown
- Oil and Acid resistance and shock absorbent.
- Suitable for a wide range of work environments, including high temperature and chemical environments.

Sizes: 4-13

BRANDED (EMBROIDERY) SUIT (SABS APPROVED)

Male Flame and Acid Suit (Jacket and Pants) – Non metallic

Specification:

- 100% cotton and 320 gsm fabric
- 50 mm silver flame retardant double needle topstitches reflective tape on arms and legs.
- Concealed non-metallic zip-on jacket and pants.
- Mitred laid on jacket pockets, mitred breast pocket with flap, mitred hip pocket.
- Double-needle topstitched mitred back pocket.
- Full triple-needle topstitched garment

The suit MUST be flash fire, acid, and chemical resistant. It MUST meet the ISO 6530 and SANS 434, 1387-4 and 1423-1 standards.

SIZES: 28 - 68 Jacket

BRANDED (EMBROIDERY) SUIT (SABS APPROVED)

Female Flame and Acid Suit (Jacket and Pants) – Non-metallic

Specification:

- Ladies cut and design.
- 100% cotton and 320 gsm fabric
- Flame retardant and coated acid-resistant fabric.
- 50 mm silver flame retardant double needle topstitches reflective tape on arms and legs.
- Concealed non-metallic zip-on jacket and pants.

- Mitred laid on jacket pockets, mitred breast pocket with flap, mitred hip pocket and tool pocket on pants.
- Side slits
- Double-needle topstitched mitred back pocket.
- Full triple-needle topstitched garment

The suit MUST be flash fire, acid, and chemical resistant. It MUST meet the ISO and SANS standards.

SIZES: S – 5 XL Jacket

: S – 5 XL Pants

Thermal Jacket (EMBROIDERY) – Non-metallic

Specification:

- Flame and acid-treated thermal winter collared jacket.
- Rated to SANS 434, SANS 1387-4, SANS 1423-1, and ISO 6530 (HNO₃, HCL, H₂SO₄ and NaOH)
- 100% Cotton
- Outer: 320 gsm flame and acid retardant fabric
- Inner: 100 gsm flame retardant wadding
- Inner lining: 220 gsm flame retardant lining
- Flame retardant silver reflective tape on arms, waist, and upper abdomen.
- Double or triple needle topstitched on shoulders and armholes.
- A concealed heavy-duty zip and plastic press stud closure (Non-metallic)
- 2 Large waist pockets, two chest pockets with flap and press stud closures (Non-metallic)
- Embroidery branding on chest pocket
- Colours: Dark blue or Orange

Suitable for use in general work environments such as engineering, smelting operations, mining, construction, oil and gas, petroleum, maintenance, repairs, and welding industries.

SIZES: S – 5 XL Jacket

Disposal Overalls

Specification:

- One-piece coverall with a hood with elasticated cuffs
- Zip front opening covered by a flap.

- Microporous polypropylene with microporous film
- Good mechanical properties and performance
- Protects against light liquid sprays, chemical splashes and sprays, airborne solid particulates, and anti-static dissipation.

SIZES: S – 3 XL

Safety glasses

Specification

- Clear polycarbonate mono lens and adjustable temples
- Scratch-resistant and anti-fog lens.
- SANS 50166, EN 166 or ANSI-ISEA Z87 approved.
- For Chemical protection: Chemical splash rating of D3
- Available as a goggle and/or spectacle

The eye protection must be suitable for construction, mining, engineering workshops, chemical and welding industry.

High-heat Kevlar aluminized gloves

Specification

- Leather or Kevlar palm, gunn cut, with aluminium back and Kevlar lining.
- High heat resistance with contact heat up to 500 °C
- Protection against molten metal sparks and splashes
- 100% Cotton with PU foam cotton liner
- High resistance to abrasion, tear and cut.
- Excellent grip in oily conditions

Suitable for welding, foundry, forging and furnace operations.

Sizes: All

Electrical insulating safety gloves arc tested.

Specification

- R-acid resistant, oil-resistant, ozone-resistant, and C-resistant to extremely low temperatures
- High-quality rubber latex
- High flexibility, preventing hand fatigue.
- 360 mm (+- 15 mm) long
- Class 3 > 3 (30 kV) High voltage
- Each glove must have been electrically tested and issued with an examination certificate.

Suitable for use in electrical installations, maintenance, and repairs.

Sizes: All

<u>Respirators filters</u>

Specification

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| <ul style="list-style-type: none">- Cartridge and filters must fit the respirator specified above.- Cartridge or filter types:<ul style="list-style-type: none">o A2P2 (Organic class 2 and particulate filter class 2)o ABEK1 (Combination filter)o K1 (Ammonia and organic ammonia class 1) |
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Note: Over and above the specifications of Protective Protection Equipment (PPE) provided, ad-hoc procurement of PPE not provided above will be made by Mintek as part of the contract.