



**Specification for Art 42-005 “Metaguard”. (Mens sizes 5 x 12)**

***Upper.***

- *The leather upper is cut from 2.0 – 2.2mm chrome tanned ,Full Grain Lunar Buffalo sides. This leather has been tanned for a softer, more comfortable feel as well as having good hard wearing characteristics.*
- *The fully padded collar and padded ½ bellows tongue are from a soft full grain bovine leather split to give additional wearer comfort, protection and support to the ankle.*
- *The vamp lining is made from a specially needled Hi-tech Fibre blend which has been treated with “ULTRAFAST”, to impart hygienic and anti-bacterial properties to the material. The Fibre blend has excellent perspiration absorbency which manifests in a lower heat build up inside the shoe resulting in a more comfortable shoe for the wearer.*
- *The quarter lining is from an industrial quality “cambrelle” type non-woven material with high abrasion resistance.*
- *The lace is braided and made from a polyester yarn with high abrasion resistance together with a central core for additional strength*
- *For eyelets and speed hooks are made from steel with a black rust resistant coating. The speed hooks allow for easier and faster lacing of the boot. Special “speed buckles” are used to allow for the easy removal of the boot.*
- *A special “spat” / metatarsal guard protects the instep area of the foot to prevent or minimize injury to the wearer.*

### ***Insole and Sock***

- *The “Energiser” footbed insock is from a newly developed needled 100% pure new wool blend material that has great perspiration absorbency and gives extra comfort to the wearer who is on his feet all day long, due to the low build up of heat inside the shoe. This material has been specially treated with “ULTRAFRESH”, which gives the material its anti-fungal and anti-bacterial properties.*
- *A special shank reinforcement is moulded into the midsole to give additional support under the arch of the foot.*

### ***The Rubber / PU Sole***

- *The 8mm thick rubber sole is heat resistant up to 300 C and provides excellent slip resistance on most surfaces.*
- *The inner midsole is from a low density flexible polyurethane for comfort flexibility and low weight with a shore hardness of 0,45 – 0,50.*
- *This boot is **non-conductive** and ideal for situations where there is a high risk of electric shock.*

### ***Toe caps***

- *The steel toe cap is imported from Europe or South America and complies with the S.A.B.S. specification to withstand an impact load of 200 joules. This toe cap has an extra wide fit to accommodate the largest variety of feet possible, and we use 6 different sizes to cover the men’s size range of 5 x 12. Some of our competitors use only four sizes of toe caps to cover the size range.*

***This “Metaguard” boot, has been tested to comply with SANS/ISO 20345 Specification and carries the SANS/ISO 20345 Certified Mark.***

*This boot can be made either with or without a steel toe cap, as required, and also a flexible stainless steel mid-sole can be moulded into the sole to give added protection against the penetration of glass or nails etc.*

***Beier Safety Footwear has a registered quality management system and is an ISO 9001 rated factory.***

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