



Specification for Art 42-007 “Smelters Buckle” . (Mens sizes 5 x 12)

Upper.

- *The all leather upper is cut from 2.0 – 2.2mm chrome tanned, Full Grain Bovine sides, which are strong and have high wearing durability.*
- *The soft leather bellows tongue is from a soft bovine leather split for extra comfort.*
- *The vamp lining and the quarter padding are cut from a special Kevlar blend material in order reduce all reflected heat away from the foot.*
- *The quarter lining is from an industrial non-woven “cambrelle” type material with high abrasion resistance.*
- *A full leather external tongue covers the instep of the foot to give protection to the front of the foot and is fastened in place by three quick release buckles.*
- *The topline is French bound with a leather collar.*
- *The contrast stitching is from heat resistant Kevlar thread which will withstand temperatures of up to 425C radiant heat.*

Insole and Sock

- *The insock used is from a specially developed non-woven material that protects the foot from heat being transferred through the sole of the boot to the foot, and is also durable and comfortable.*
- *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.*

Rubber / PU sole.

- *The 8mm thick rubber sole is heat resistant up to 300 C and the tread cleating gives excellent slip resistance on most surfaces. The midsole is from a lightweight flexible, soft polyurethane.*
- *The combination of this rubber sole together with the special insole will allow the wearer to remain in hot conditions for 50% longer than when wearing a normal rubber soled boot.*
- *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.*

This “Smelters” 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.