

EC Type-Examination Certificate

6758 Issue 2 Extension 2

This is to certify that the product group reference 50 comprising the following products

Product Ref.	Description
9788 BD Fireman Boot - knee high (black and yellow)	Last Reference : VSV Outsole : NJV Sole Toe Cap: ISCO TZ Penetration Resistant: ISCO 1631, ISCO 2801. Size Range: 36-50 Category of protection : EN 15090:2012- F2 HI3 P CI SRA EN ISO 20345:2011 – SB P E FO CI HI HRO SRA EN 50321:1999 – Class 0 Classification : II

Technical reports

SATRA: FWT0213577/1315/3, FWT0217620/1335,
FWT0199510/1147 Satra Quality Mark 9932

has been subject to an EC Type-examination in accordance with Article 10 of the PPE Directive (89/686/EEC) and has been shown to satisfy the relevant provisions of this Directive for the complex category through:

- i Testing to the following standard: **EN 15090:2012, EN 50321:1999, EN ISO 20345:2011.**
- ii Examination of the relevant technical documentation.

You are therefore licensed to mark the product(s) listed above in accordance with Article 13 of Directive (89/686/EEC) and any relevant amending Directives once you have drawn up an EC declaration of product conformity. Please note that:

- 1. Full details of the certification and product are contained in the manufacturer's technical file
- 2. This certificate is only valid if embossed with the text – "SATRA – European Notified Body 0321"
- 3. This certificate is issued subject to the conditions on the reverse side of this certificate
- 4. CE marking of production is also reliant on current compliance with Directive 89/686/EEC Article 11

Signed:  (D Cotter)

Signed: 

Date: 22nd April 2014.

On behalf of SATRA

**USER
INFORMATION**



EXAMINED BY SATRA
DO NOT AMEND
ASSESSOR 12 _____

**PROTECTIVE
SAFETY
FOOTWEAR**

PROTECTIVE SAFETY FOOTWEAR USER INFORMATION

1. The protective footwear manufactured by SATRA Technology Centre Client No. P9417 complies with the EEC Directive for Personal Protective Equipment (Directive 89/686/EEC) and meets the requirements according to the European harmonized standard EN ISO 20345:2011 Personal Protective Equipment -Safety Footwear and or EN15090:2012 Footwear For Firefighters and EN 50321:1999 Electrically insulating footwear for working on low voltage installations certified / on-going certification as per Article 11B of Directive 89/686/EEC carried-out by Notified Body No. 0321, Wyndham Way, Telford Way, Kettering, Northamptonshire, United Kingdom, NN16 8SD.
2. The footwear is manufactured using both natural and synthetic materials and conforms to the relevant sections of relevant standard for quality and performance.
3. Steel toe cap in the footwear protects the wearer's toes against the risk of injury from falling objects and crushing when worn in hazardous working environments.

Impact resistance : 200 joule
Compression resistance : 15000 Newton

4. PERFORMANCE AND LIMITATION OF USE

These products have been tested in accordance to the following standards for the types of protection defined on the product by the marking codes explained below. However, always ensure that the footwear is suitable for the intended end use.

EN ISO 20345:2011 – Personal protective equipment – Safety footwear
EN 15090:2012 – Footwear for firefighters
EN 50321:1999 Electrically insulating footwear for working on low voltage installations

Optional Marking Code & Protection

SB	Safety footwear
HRO	Heat resistance outsole compound tested at 300°C
P	Penetration resistance outsole tested at 1100 Newton
E	Energy absorption of seat region tested at 20 Joules
FO	Resistance to fuel oil
CI	Insulation against cold
HI	Insulation against heat
SRA	Slip resistance on ceramic tile floor with Sodium Lauryl Sulphate, Requirements Heel : CoF > 0.28 , Flat : CoF > 0.32
SRB	Slip resistance on steel floor with Glycerol, requirements Heel : CoF > 0.12 , Flat : CoF > 0.16
SRC	Covers both SRA and SRB

EXAMINED BY SATRA
DO NOT AMEND
ASSESSOR 12 _____

Warning! PENETRATION RESISTANCE - Please note that the penetration resistance of this footwear has been measured in the laboratory using a truncated nail of diameter 4.5mm and a force of 1100N. Higher forces or nails of smaller diameter will increase the risk of penetration occurring.

A. Footwear For Firefighters

Marking code in the bottom right hand corner of the pictogram:

- F Meets general requirements of footwear for firefighters plus the requirements for electrical insulating properties



Warning! It must be strongly emphasized that no personal protective equipment can ensure 100% protection against fire. The PPE described above does not give complete protection. It will only provide enhanced resistance to flame. The degree of protection offered depends on number of factors, e.g. fire ground chemicals, rough physical surfaces, condition of the fire scene, amount of discipline and coordination of firefighters at the accident scene, etc. Read carefully all safety instructions applicable to firefighting. The footwear shall be worn with socks.

B. For Electrically Insulating Boots

Electrically insulating – Marking Code

Electrical Class 00	For installations with nominal voltage up to 500V a.c. and 750V d.c. (Beige Colour)
Electrical Class 0	For installations with nominal voltage up to 1000V a.c. and 1500V d.c. (Red Colour)

(Pictogram)



Warning! PENETRATION RESISTANCE - Please note that the penetration resistance of this footwear has been measured in the laboratory using a truncated nail of diameter 4.5mm and a force of 1100N. Higher forces or nails of smaller diameter will increase the risk of penetration occurring.

Warning! SLIP RESISTANCE - In any situation involving slip, the floor surface itself and other (non- footwear) factors will have an important bearing on the performance of the footwear. It will therefore be impossible to make footwear resistant to slip under all conditions which may be encountered in wear.

5. PRECAUTION

i. This product is not a substitute for the safe operation of a power tool. Improper use of a power tool can result in accidents. Observe all applicable local safety regulations, standards and ordinances as well as the safety precautions and warnings in the power tool owner's manual. Warning! Electric shock resistance of the footwear deteriorates rapidly in a wet environment and with wear.

ii. **Electrically insulating footwear**

a) Electrically insulating footwear shall be worn if there is a danger of electric shock, for example from damaged live electrical apparatus.

b) Electrically insulating footwear cannot guarantee 100% protection from electric shock, and additional measures to avoid this risk are essential. Such measures, as well as the additional tests mentioned below, should be part of a routine risk assessment programme.

c) Electrically insulating footwear cannot be used alone and it is necessary to use other compatible protective equipment according to the level of risk involved at your workplace.

d) The electrical resistance of footwear should meet the requirements of EN 50321:1999, 6.3 at any time throughout the life of the footwear. It is recommended to conduct the periodic checking at not more than 6 months interval.

e) This level of protection can be affected during service by:

1) Footwear becoming damaged by nicks, cuts, abrasions, or chemical contamination, regular inspections are necessary, worn and damaged footwear should not be used.

2) Classification I footwear can absorb moisture if worn for prolonged periods and in moist and wet conditions, and can become conductive.

f) If footwear is worn in conditions where the soling material becomes contaminated, for example by chemicals, caution should be taken when entering hazardous areas as this can well affect the electrical properties of the footwear.

g) It is recommended that the users establish an appropriate means of having the electrical insulating properties of footwear inspected and tested whilst in service.

6. FITTING AND SIZING

To put on and take off products, always fully undo the fastening systems. Only wear footwear of a suitable size. Products which are either too loose or too tight will restrict movement and will not provide the optimum level of protection. The size of these products are marked on them.

7. **COMPATIBILITY**

To optimize protection, in some instances it may be necessary to use this footwear with additional PPE such as protective trousers or over gaiters. In this case, before carrying out the risk-related activity, consult your supplier to ensure that all your protective products are compatible and suitable for your application. It is important that the footwear selected for wear must be suitable for the required protection in the working environment concerned. Where the working environment is unknown, it is very important that consultation is carried out between the seller and the purchaser to ensure, wherever possible, that the correct footwear is provided.

8. **EXTERNAL FINISH**

This is a hand made product and there may be slight blemishes on the surface of the product. These marks are characteristic of hand made boots and should not cause concern as they do not compromise the performance of the product. However, damage to the product may reduce the level of protection. Refer to "DAMAGE and REPAIR" for further details.

9. **STORAGE AND TRANSPORT**

When not in use, store the footwear in a well-ventilated area away from extremes of temperature. Never store the footwear underneath heavy items or in contact with sharp objects. If the footwear is wet, allow it to dry slowly and naturally away from direct heat sources before placing it into storage. Use suitable protective packaging to transport the footwear, e.g. the original container

10. **DAMAGE AND REPAIR**

Avoid damaging this safety product with pointed or sharp objects (e.g. saw chain, spikes, metal tools, etc.) or contact with aggressive fluids such as acids, oil, solvents, fuel, etc. Warning! If you spill fuel, oil, grease or any other flammable substance on your boots, stop work immediately and clean the boots as specified in order to reduce the risk of fire. If the footwear becomes damaged, it will NOT provide the optimum level of protection, and therefore should be replaced as soon as is practicable. Never knowingly wear damaged footwear while carrying out a risk related activity. If in doubt about the level of damage consult your supplier before using the footwear.

11. **CLEANING**

To ensure the best service and wear from the footwear, it is important that it is regularly washed with warm water. Do not use any strong washing detergent or caustic cleaning agents. Footwear subjected to wet conditions should be allowed to dry naturally in a cool and dry environment. Force drying can cause deterioration of the upper and lining materials.

If the footwear is cared for and worn in the correct working environment and stored in dry ventilated conditions, it should give a good service life, without premature failure of the outsole and/or upper. The service life of the footwear is depend on the correct selection of the footwear for the intended working environment and the prevention of contamination and degradation.

If the footwear is damaged, incorrectly washed, or altered from its original shape, it will not meet the specified level of protection and should be scrapped immediately.

12. **WEAR LIFE**

The exact useful life of the product will greatly depend on how and where it is worn and cared for. It is therefore very important that you carefully examine the footwear before use and replace as soon as it appears to be unfit for wear. Careful attention should be paid to the condition of the upper stitching, wear in the outsole tread pattern and the condition of the upper/outsole bond.

13. **INSOLE**

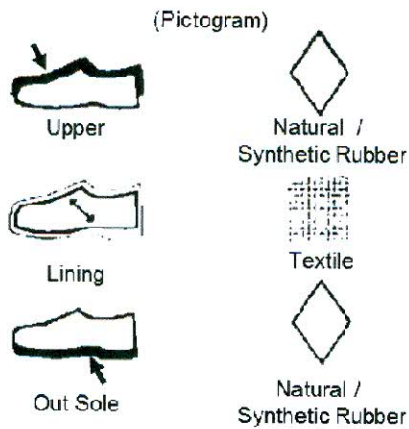
The footwear is supplied with a permanently attached foot bed, this should not be removed and no additional foot sock must be used.

14. **WARRANTY**

Our boots are warranted against manufacturing defects for 12 months

EXAMINED BY SATRA
DO NOT AMEND
ACCESS 12

15. This boot is hand-made, piece by piece and consist of the materials listed below:

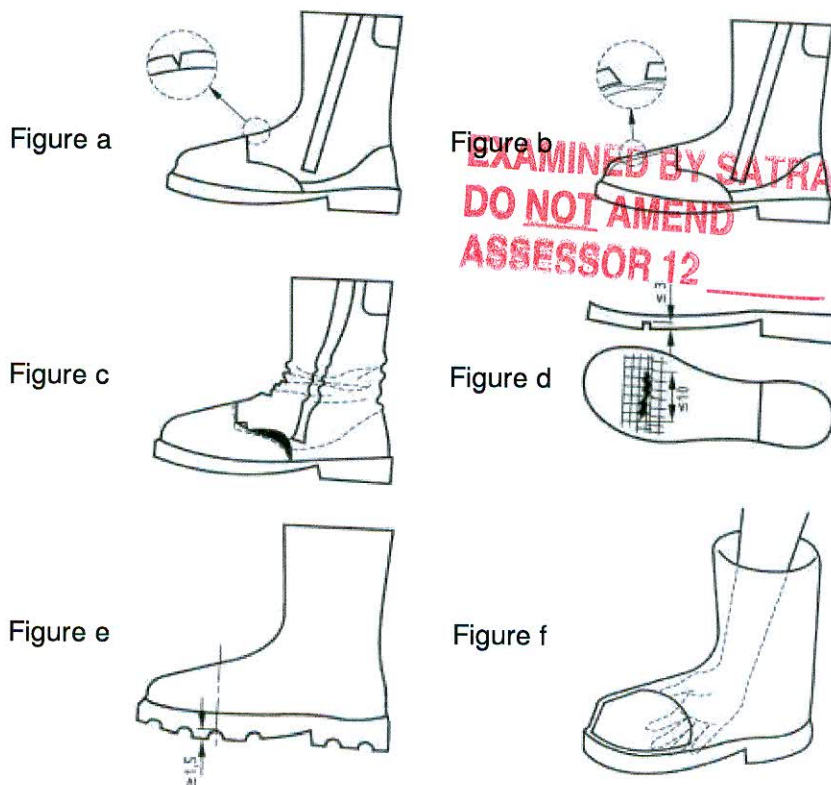


PRE-USE INSPECTION

WARNING

Do not wear the footwear if the signs of wear identified below are found:

1. Beginning of pronounced and deep cracking affecting half of the upper material thickness Figure a)
2. Strong abrasion of the upper material, especially if the toepuff or the toecap is revealed (Figure b).
3. The upper shows areas with deformations, burns, fusions or bubbles, or split seams in the leg (Figure c).
4. The outsole shows cracks higher than 10 mm long and 3 mm deep (Figure d).
5. Upper/sole separation of more than 10 mm-15 mm long and 5 mm wide (deep).
6. Cleat height in the flexing area lower than 1.5 mm (Figure e).
7. Original insock (if any) showing pronounced deformation and crushing
8. It is convenient to check manually the inside of the footwear from time to time, aiming at detecting destruction of the lining or sharp borders of the toe protection which could cause wounds (Figure f)
9. The fastening system is in working order (zip, laces, eyelets, touch and close system).
10. The obsolescence deadline should not be exceeded.
11. The footwear durability depends on the level of use and remarks made above (it is remembered that the date of obsolescence of footwear containing polyurethane is 3 years).



(Signs of Wear)

PROTECTIVE SAFETY FOOTWEAR USER INFORMATION (CSA / ASTM)

1. The protective footwear manufactured by CSA client no. MC 159744 complies with the Occupational Health and Safety Products standards for protective footwear and meets the requirements of the CSA Z195-09 and/ or ASTM F2413-11 standards certified by the Canadian Standard Association, 178 Rexdale Boulevard, Toronto, Ontario, Canada M9W 1R3

Le fabricant de chaussures de protection CSA no. MC 159744 est soumis aux standards du Occupational Health and Safety Products (CSST au Québec) pour les chaussures de sécurité et rencontre les exigences de la CSA Z195-09 et/ou de l'ASTM F2413-11 certifié par l'Association Canadienne de Normalisation (CSA) située au 178 Boulevard Rexdale, Toronto, Ontario, Canada, M9W 1R3.

2. The footwear is manufactured using both natural and synthetic materials and conforms to the relevant sections of CSA Z195-09 and/ or ASTM F2413-11 for quality and performance.

Les chaussures sont fabriquées à partir de matières naturelles et synthétiques et sont conformes aux sections soumise par la CSA z195-09 et/ou de l'ASTM F2413-11 sur la qualité et la performance.

3. Steel toe cap in the footwear protects the wearer's toes against the risk of injury from falling objects and crushing when worn in hazardous working environments.

La coquille d'acier insérée dans la botte protège les orteils contre le risque de blessures causées par des objets qui pourraient tomber ou écraser le pied dans un environnement de travail dangereux

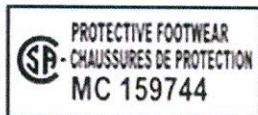
4. Additional protection which can be provided and where applicable will be identified on the product by the appropriate marking codes:

Les protections supplémentaires exigées seront identifiées d'après leur codes ou logo officiels

Marking Codes

Description

CSA



CSA Client No. MC 159744
Client CSA no. MC 159744



Grade 1 protective toe to withstand impacts up to 125 Joules
Protection Grade 1 supportant des impacts jusqu'à 125 Joules



Sole puncture protection to withstand a force of $\geq 1200N$ with a Grade 1 protective toe to withstand impacts up to 125 Joules
Semelle avec protection contre la perforation supportant une force de $\geq 1200N$ en plus d'une protection grade 1 supportant des impacts jusqu'à 125 Joules



Electric Shock Resistant withstand 18,000 Volts and a leakage current not exceeding 1 mA. "WARNING: Electric shock resistance deteriorates rapidly in a wet environment and with wear" / *Protection contre les chocs électriques supportant 18,000 Volts avec pénétration n'excédant pas 1mA. AVERTISSEMENT : La résistance aux chocs électriques se détériore rapidement en milieu humide et avec l'usage.*



Chainsaw protective footwear
Chaussure avec protection scie à chaîne



CSA metatarsal protective footwear
Chaussure avec protection au métatarse CSA

ASTM

- I/75 Toe impact protection: 102 joules
Protection des orteils aux impacts : 102 joules
- C/75 Compression resistance: 11 kN (2500 lb)
Résistance de protection : 11kN (2500lbs)
- Mt/75 Metatarsal protection: 102 joules
Protection au métatarse : 102 joules
- PR Sole puncture protection to withstand a force of $\geq 1200N$
Protection contre la perforation de la semelle supportant force de $\geq 1200N$
- EH Electrical hazard protection: 18kV
Résistance aux chocs électriques de 18kV

EXAMINED BY SATRA
DO NOT AMEND
ASSESSOR 12 _____

SHIELD FIRE SAFETY AND SECURITY LTD
Redburn House, 2a Tonbridge Road, Romford,
Essex – RM3 8QE, United Kingdom

Tel : +44 1708 377731 Fax : +44 1708 347637
URL : www.shieldglobal.com Email : shielduk@shieldglobal.com