



NFCC
National Fire
Chiefs Council

The professional voice of the
UK Fire & Rescue Service

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Firefighters Personal Protective Equipment

Standard, Specification and Requirements

Structural Firefighting

Fire Boot (Rubber)

Please note that this standard is currently under review by NFCC PPE and Clothing Committee

Collaborative PPE Project - May 2016

SCOPE

This performance specification describes the requirements for a protective rubber fire boot for both male and female fire fighters.

The rubber fire boots should offer the wearer protection from injuries, which could arise through accidents in the working sector for which the rubber fire boot is designed.

The fire boot is to be CE marked to BS EN 15090:2012 (Class II, Type 3); *Footwear for firefighters*.

PERFORMANCE REQUIREMENTS

Description and Use

Provision of protective rubber fire boots that meets the general and specific needs of Fire & Rescue Service (FRS) operational personnel.

The product must be suited to the range of structural firefighting, external firefighting and rescue activities carried out during emergency response and training operations. The product must be of such design, robustness, material and specification to meet the needs of these operations. It should also be simple to clean, repair and maintain.

All test performance data must be submitted with tender document, please indicate compliant and submitted where requested. All documentation to be in English.

Firefighting PPE is designed, following a suitable risk assessment, to protect firefighters from risks that cannot be removed by other means.

One potential emerging risk to firefighter's health is exposure to contaminants as a result of the incidents that they attend; some of these contaminants may be carcinogenic.

All Contractors should be mindful of these emerging risks and as such ensure that the PPE is designed to be easily cleaned and decontaminated. In addition methods for identifying that the PPE may be contaminated should also be considered when designing the PPE.

1. BS EN 15090:2012 minimum performance requirements		
2.1	Fire boots to fully comply with the requirements of BS EN 15090:2012 Required: Independent Certification from an organisation belonging to United Kingdom Accreditation Service (UKAS), or equivalent.	
Additional Information – Required		
2.2	Clause 4.3 Type Type 3	
2.3	Clause 6.2, shall conform to the requirements of table 4 (Type 3, Class II)	
2.4	Clause 6.3.1 Insulation against heat HI ₃	
2.5	Slip resistance to EN ISO 20345:2011, Clause 5.3.5, Marked SRC	
2.6	Penetration resistance to EN ISO 20345:2011, clause 6.2.1, Marked P. ≥ 1600N	
2.7	Cold Insulation to EN ISO 20345:2011, clause 6.2.3.2, Marked CI	
2.8	Ankle protection to EN ISO 20345:2011, clause 6.2.7, Marked AN	
2.9	Clause 6.6.2 Electrically insulating footwear to BS EN 50231	
2.10	Clause 6.5 Resistance to Chemicals, to be marked CH	
2.11	Clause 8 Marking F3I	
2.12	Midsole	Shall be flexible for added firefighter comfort.
2.13	Unique Identification	Details and examples to be submitted and included in pricing schedule. Each fire boot supplied shall be capable of being uniquely identifiable to enable product traceability, such marking may include unique bar-coding and RFIDs tagging. Method to be durable taking into

		<p>account the use of the item and the recommended cleaning procedures.</p> <p>In addition suitable area for wearer to add their details, if required; and for this to be reusable.</p>
2.14	Comfort	Fire boot to be comfortable to wear for extensive periods of over one hour.
2.15	Equality and Diversity	<p>A broad range of sizes to encompass both male and female wearers and those of differing ethnic backgrounds.</p> <p>Sizes to be available: 36-50</p> <p>And the ability to make special sizes if required. Examples to be given and indication of timescales</p>
2.16	Decontamination and Cleaning	The fire boot must be easily decontaminated and cleaned.
2.17	Compatibility	Must be compatible with all other items submitted in this tender.
2.18	Lifing	<p>Provide information, in addition to care and maintenance instructions, as to the expected life of the fire boot.</p> <p>Boot to have tread indicator.</p>