



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 Hood

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

Collaborative PPE Project - May 2016

SCOPE

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This performance specification describes the requirements for a protective fire hood for both male and female firefighters.

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

The fire hood is to be CE marked to BS EN 13911:2004; *Protective clothing for firefighters – Requirements and test methods for fire hoods for firefighters*

PERFORMANCE REQUIREMENTS

Description and Use

Provision of a protective fire hood 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 13911:2004 minimum performance requirements		
2.1	Fire hood to fully comply with the requirements of BS EN 13911:2004 Required: Independent Certification from an organisation belonging to United Kingdom Accreditation Service (UKAS), or equivalent.	
Additional Information – Required		
2.2	BS EN 13911:2004, Annex A: Donning, Doffing and shape retention test	Report to be submitted detailing test results for shape retention testing
2.3	BS EN 13911:2004, Annex B: Practical Performance testing	Report to be submitted detailing test results for practical performance testing
2.4	Clause 6.1.3 – Heat Transfer (Flame) $HTI^{24} \geq 16s$ $HTI^{24} - HTI^{12} \geq 6s$	
2.5	Clause 6.1.4 Heat Transfer (Radiation) $RHTI^{24} \geq 23s$ $RHTI^{24} - RHTI^{12} \geq 9s$	
2.6	Clause 6.1.5 Residual Strength of material when exposed to radiant heat $\geq 900 \text{ kPa}$	
2.7	Clause 6.1.6 Heat resistance Shrinkage $\leq 5\%$	
2.8	Clause 6.1.7 Seam break strength $\geq 800 \text{ kPa}$	
2.9	Unique Identification	<p>Details and examples to be submitted and included in pricing schedule.</p> <p>Each fire hood 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 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>

2.10	Comfort	Fire hood to be comfortable to wear for extensive periods of over one hour in either the raised or lowered position and to not have an adverse effect on wearer's skin.
2.11	Equality and Diversity	A broad range of sizes to encompass both male and female wearers and those of differing ethnic backgrounds.
2.12	Audibility	Report to be submitted detailing test results in terms of any loss of audibility due to wearing the fire hood.
2.13	Decontamination and Cleaning	The fire hood must be easily decontaminated and cleaned. Please provide detail and evidence.
2.14	Additional uses	Details of protection that the fire hood can give in conjunction with other fire service equipment, such as cold cut systems. Please provide detail and evidence. Evidence should include a risk assessment of the additional use.
2.15	Compatibility	Fire hood must be compatible with other products supplied in this tender
2.16	Lifing	Provide information, in addition to care and maintenance instructions, as to the expected life of the fire hood. This may be based on number of washes that the hood maybe subjected to and still pass the requirements of BS EN 13911:2004