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English Version

Protective clothing for firefighters - Requirements and test methods for fire hoods for firefighters

Habillement de protection pour sapeurs-pompiers -Exigences et méthodes d'essai pour les cagoules de protection contre le feu pour sapeurs-pompiers Schutzkleidung für die Feuerwehr - Anforderungen und Prüfverfahren für Feuerschutzhauben für die Feuerwehr

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Cont	ents	Page
Europ	ean foreword	4
Introd	luction	5
1	Scope	6
2	Normative references	6
3	Terms and definitions	7
4	Design and materials	9
4.1	Introduction	9
4.2	Flexibility	9
4.3	Facial opening	9
4.4	Yoke interface area	9
4.5	Sizing	9
4.6	Labels	
4.7	Ventilation window	
4.8	Particulate protection	
5	Sampling and pre-treatment	12
5.1	Sampling	12
5.2	Pre-treatment	13
5.3	Conditioning	13
6	Performance requirements	
6.1	Performance requirements - Material or component assembly	
6.1.1	General	
6.1.2	Flame spread	
6.1.3	Heat transfer (flame)	
6.1.4	Heat transfer (radiation)	
6.1.5	Residual strength of material when exposed to radiant heat	
6.1.6	Heat resistance	
6.1.7	Heat resistance of the sewing thread used seams	
6.1.8	Seam burst strength	
6.1.9	Dimensional change	
	Water vapour resistance	
6.1.11	Particulate barrier protection	15
6.2	Performance requirements - Complete firehood	15
7	Marking	16
8	Information supplied by the manufacturer	16
Annex	A (normative) Uncertainty of measurement	17
Annex	B (normative) Donning, Doffing and shape retention test	18
Annex	C (normative) Determination of property values	19
Annex	D (normative) Particulate test method	20
D.1	Introduction	20
D.2	Apparatus and test parameters	

D.3	Procedure	20
D.4	Calculation of the penetration	20
	E (informative) Significant technical changes between this document and the predition EN 13911:2017	
	ZA (informative) Relationship between this European Standard and the es requirements of EU Regulation 2016/425 aimed to be covered	
Bibliog	graphy	25

European foreword

This document (prEN 13911:2024) has been prepared by Technical Committee CEN/TC 162 "Protective clothing including hand and arm protection and lifejackets", the secretariat of which is held by DIN.

This document is currently submitted to the CEN Enquiry.

This document will supersede EN 13911:2007.

prEN 13911:2024, Annex E includes the significant technical changes with respect to EN 13911:2007.

This document has been prepared under a standardization request addressed to CEN by the European Commission. The Standing Committee of the EFTA States subsequently approves these requests for its Member States.

For the relationship with EU Legislation, see informative Annex ZA, which is an integral part of this document.

Introduction

This document specifies the minimum safety requirements and test methods for a firehood worn by a firefighter following a user risk assessment. When worn with protective clothing, breathing apparatus and helmet, the design features and performance requirements of the firehood are intended to provide protection to the exposed areas of the head and neck against heat and flame.

Firehoods can be used in different end uses, both over and underneath the facemask and with different shapes of helmets. It is the user's responsibility to choose the right firehood appropriate to the garment, helmet, and facemask.

1 Scope

This document specifies minimum safety requirements and test methods for a firehood to be worn during firefighting operations to protect against heat and fire.

This document has two optional requirements: firehoods can be either with a ventilation window for comfort, or a barrier for protection against particulate contaminants, or both.

This document applies in situations when protective clothing (e.g. EN 469, EN ISO 15384), respiratory protection devices (e.g. EN 136 and EN 137), and helmet (e.g. EN 443, EN 16471) are also worn.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 136:1998,¹ Respiratory protective devices — Full face masks — Requirements, testing, marking

EN 137:2006, Respiratory protective devices — Self-contained open-circuit compressed air breathing apparatus with full face mask — Requirements, testing, marking

EN 168:2001, Personal eye-protection — Non-optical test methods

EN ISO 3146:2022, Plastics — Determination of melting behaviour (melting temperature or melting range) of semi-crystalline polymers by capillary tube and polarizing-microscope methods (ISO 3146:2022)

EN ISO 5077:2008, Textiles — Determination of dimensional change in washing and drying (ISO 5077:2007)

EN ISO 6942:2022, Protective clothing — Protection against heat and fire — Method of test: Evaluation of materials and material assemblies when exposed to a source of radiant heat (ISO 6942:2002)

EN ISO 9151:2016, Protective clothing against heat and flame — Determination of heat transmission on exposure to flame (ISO 9151:2016, Corrected version 2017-03)

EN ISO 11092:2014, Textiles — Physiological effects — Measurement of thermal and water-vapour resistance under steady-state conditions (sweating guarded-hotplate test) (ISO 11092:2014)

EN ISO 13688:2013, Protective clothing — General requirements (ISO 13688:2013)

EN ISO 13938-1:2019, Textiles — Bursting properties of fabrics — Part 1: Hydraulic method for determination of bursting strength and bursting distension (ISO 13938-1:2019)

EN ISO 14116:2015, Protective clothing — Protection against flame — Limited flame spread materials, material assemblies and clothing (ISO 14116:2015)

EN ISO 15025:2016, Protective clothing — Protection against flame — Method of test for limited flame spread (ISO 15025:2016)

ISO 8559-1:2017, Size designation of clothes — Part 1: Anthropometric definitions for body measurement

ISO 11610:2023, Protective clothing — Vocabulary

¹ As impacted by EN 136:1998/AC:2003.