BS EN ISO 11611:2015

BSI Standards Publication

Protective clothing for use in welding and allied processes

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National foreword

This British Standard is the UK implementation of EN ISO 11611:2015. It supersedes BS EN ISO 11611:2007 which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee PH/3/2, Heat and Flame Personal Protective Equipment.

A list of organizations represented on this committee can be obtained on request to its secretary.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

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Compliance with a British Standard cannot confer immunity from legal obligations.

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EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN ISO 11611

July 2015

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Supersedes EN ISO 11611:2007

English Version

Protective clothing for use in welding and allied processes (ISO 11611:2015)

Vêtements de protection utilisés pendant le soudage et les techniques connexes (ISO 11611:2015)

Schutzkleidung für das Schweißen und verwandte Verfahren (ISO 11611:2015)

This European Standard was approved by CEN on 19 June 2015.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
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European foreword

This document (EN ISO 11611:2015) has been prepared by Technical Committee ISO/TC 94 "Personal safety - Protective clothing and equipment" in collaboration with Technical Committee CEN/TC 162 “Protective clothing including hand and arm protection and lifejackets” the secretariat of which is held by DIN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by January 2016, and conflicting national standards shall be withdrawn at the latest by January 2016.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s).

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

This document supersedes EN ISO 11611:2007.

According to the CEN-CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

Endorsement notice

The text of ISO 11611:2015 has been approved by CEN as EN ISO 11611:2015 without any modification.

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Annex ZA
(informative)

Relationship between this European Standard and the Essential Requirements of EU Directive 89/686/EEC

This European Standard has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association to provide one means of conforming to Essential Requirements of the New Approach Directive 89/686/EEC on the approximation of the laws of the Member States relating to personal protective equipment.

Once this standard is cited in the Official Journal of the European Union under that Directive and has been implemented as a national standard in at least one Member State, compliance with the normative clauses of this International Standard given in Table ZA.1 confers, within the limits of the scope of this International Standard, a presumption of conformity with the corresponding Essential Requirements of that Directive and associated EFTA regulations.

Table ZA 1

Clauses/ subclauses of this European Standard	Basic requirement (EU directive 89/686/EEC, Annex II)	Qualifying remarks/notes
4.1, 4.2, 4.3, 4.5, 4.6, 4.7, 6.6, 6.10 and 6.11	1.2.1 Absence of risks and other inherent nuisance factors	
4.4	1.3.1 Adaptation of PPE to user morphology	
5.2, 8	1.4 Information supplied by the manufacturer	
5.3	2.4 PPE subject to ageing	
6.2, 6.3, 6.4 and 6.5	1.3.2 Lightness and design strength	
6.7,6.8,6.9	Protection against heat and/or fire 3.6.1 PPE constituent materials and other components	
6.8, 6.9	Protection against heat and/or fire 3.6.2 Complete PPE ready for use	
6.1, 6.8, 6.9	1.1.2.2 Classes of protection appropriate to different levels of risk	
7	2.12 PPE bearing identification marks relating to health and safety	

Warning Other requirements and other EU Directives may be applicable to the products falling within the scope of this International Standard

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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation on the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the WTO principles in the Technical Barriers to Trade (TBT) see the following URL: Foreword - Supplementary information

The committee responsible for this document is ISO/TC 94, *Personal safety — Protective clothing and equipment*, Subcommittee SC 13, *Protective clothing*, and by Technical Committee CEN/TC 162, *Protective clothing including hand and arm protection and lifejackets* in collaboration.

This second edition cancels and replaces the first edition (ISO 11611:2007) which has been technically revised with the following changes:

— include an introduction;

— include a definition for hole;

— modify the clause in design requirements regarding garment overlaps;

— modify the clause in design requirements regarding garment sizes;

— modify the clause on sampling requirements;

— modify clause for ageing due to washing (maximum number of cleaning procedures as indicated by the manufacturer);

— modify the pre-treatment clause to include the requirements for single use garments;

— include a new requirement for measuring the property value for rating and classification;

— modify the requirements for tear strength;

— specify the test area for burst strength testing;

— modify the requirement that hardware is tested only after pre-treatment;

— include a statement for flame spread testing in regard to interlining materials;

— remove the reference to melting from flame spread requirements;

— modify the afterflame requirement for flame spread;

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— modify the afterglow requirement for flame spread;

— modify the test procedure for the flame testing of labels, badges, retro-reflective materials;

— modify requirement for the impact of spatter to state that materials cannot ignite;

— modify the innocuousness clause to include reference to ISO 13688;

— specify the limit for Chromium(VI) Content;

— modify the clause for information to be supplied by the manufacturer;

— include a new annex for measuring property value for rating and classification;

— include a new definition for uncertainty of measurement in Annex C;

— specify that Annex C is normative.

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