

Protective clothing for use in welding and allied processes

ICS 13.340.10; 25.160.01

National foreword

This British Standard is the UK implementation of EN ISO 11611:2007. It supersedes BS EN 470-1:1995 which is withdrawn.

The UK participation in its preparation was entrusted by Technical Committee PH/3, Protective clothing, to Subcommittee PH/3/2, Clothing for protection against heat and flame.

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.

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

This British Standard was published under the authority of the Standards Policy and Strategy Committee on 31 January 2008

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English Version

Protective clothing for use in welding and allied processes (ISO
11611:2007)

Vêtements de protection utilisés pendant le soudage et les
techniques connexes (ISO 11611:2007)

Schutzkleidung für Schweißen und verwandte Verfahren
(ISO 11611:2007)

This European Standard was approved by CEN on 20 July 2007.

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 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 Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.



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Foreword

This document (EN ISO 11611:2007) 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, in collaboration with Technical Committee ISO/TC 94 "Personal safety - Protective clothing and equipment".

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 April 2008, and conflicting national standards shall be withdrawn at the latest by April 2008.

This document supersedes EN 470-1:1995.

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 EC Directive(s).

For relationship with EC Directive(s), see informative Annex ZA, which is an integral part of this document.

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, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

Endorsement notice

The text of ISO 11611:2007 has been approved by CEN as a EN ISO 11611:2007 without any modification.

INTERNATIONAL STANDARD

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Protective clothing for use in welding and allied processes

*Vêtements de protection utilisés pendant le soudage et les techniques
connexes*



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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.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

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.

ISO 11611 was prepared by the European Committee for Standardization (CEN) Technical Committee CEN/TC 162, *Protective clothing including hand and arm protection and lifejackets*, in collaboration with Technical Committee ISO/TC 94, *Personal safety — Protective clothing and equipment*, Subcommittee SC 13, *Protective clothing*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

ISO 11611 cancels and replaces EN 470-1:1995 and EN 470-1:1995/A1:1998, which have been technically revised to:

- a) include additional clothing in the scope;
- b) specify two classes of protective clothing;
- c) include additional terms and definitions;
- d) specify ageing due to washing (maximum number of cleaning procedures as indicated by the manufacturer);
- e) specify additional tests for heat transfer (radiation) and electrical resistance;
- f) specify requirements for innocuousness;
- g) modify requirements for dimensional change on washing to include requirements for knitted fabrics;
- h) delete test method for the thickness of leather;
- i) modify requirements for tensile strength and tear strength;
- j) specify requirements for burst strength and seam strength;
- k) include test procedure for the flame testing of seams and hemmed edges;
- l) modify the information to be supplied by the manufacturer;
- m) specify requirements for care and maintenance;
- n) include annex for the selection of welders' clothing;
- o) include annex regarding information on UV radiation hazards;
- p) include annex for uncertainty of measurement.