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## Protective clothing for use in welding and allied processes

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



Reference number  
ISO 11611:2007(E)

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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;

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- o) include annex regarding information on UV radiation hazards;
- p) include annex for uncertainty of measurement.

This corrected version contains corrections to the values of radiant heat transfer index (RHTI) given in 6.9 and in Table 1, row 6.9.