

INTERNATIONAL STANDARD

ISO 2801

Second edition
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Clothing for protection against heat and flame — General recommendations for selection, care and use of protective clothing

*Vêtements de protection contre la chaleur et la flamme —
Recommandations générales pour la sélection, l'entretien et l'utilisation
des vêtements de protection*



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.

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.

International Standard ISO 2801 was prepared by Technical Committee ISO/TC 94, *Personal safety – Protective clothing and equipment*, Subcommittee SC 13, *Protective clothing*.

This second edition cancels and replaces the first edition (ISO 2801:1973), which has been technically revised.

Annexes A and B of this International Standard are for information only.

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Introduction

Test methods are available which assess the behaviour of materials when exposed to different types of heat (radiant, convective or conductive). The results of these tests are expressed in terms of times to record a certain temperature rise on the inside of the material. These test methods are specified in performance standards which are used to classify the predicted behaviour of protective garments.

It is important to recognize that the times recorded under test conditions do not represent the times for which the protective clothing offers protection against heat and flame. The actual period for which protective clothing can offer protection against heat and flame varies with the intensity of the heat hazard, the fit of the garment, and the capabilities of the wearer. For a particular garment, this period of protection may vary considerably from one wearer to another.

This International Standard provides guidance on the selection of clothing for protection against specific heat hazards by the choice of appropriate performance standards and levels. It also includes some general recommendations on the care and use of clothing for protection against heat and flame, which apply principally to clothing for protection against high levels of radiant heat with or without the presence of flame.

