

Australian/New Zealand Standard™

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



AS/NZS ISO 2801:2008

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee SF-004, Occupational Protective Clothing. It was approved on behalf of the Council of Standards Australia on 28 May 2008 and on behalf of the Council of Standards New Zealand on 31 May 2008.

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Association of Accredited Certification Bodies
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STANDARDS AUSTRALIA/STANDARDS NEW ZEALAND

RECONFIRMATION
OF
AS/NZS ISO 2801:2008
Clothing for protection against heat and flame—General recommendations for
selection, care and use of protective clothing

RECONFIRMATION NOTICE

Technical Committee SF-004 has reviewed the content of this publication and in accordance with Standards Australia procedures for reconfirmation, it has been determined that the publication is still valid and does not require change.

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University of Western Sydney

Australian/New Zealand Standard™

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Originated in Australia as part of AS 2375—1980.
Jointly revised and redesignated as AS/NZS ISO 2801:2008.

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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee SF-004, Occupational Protective Clothing to supersede (in part) AS 2375—1980, *Guide to the selection, care and use of clothing for protection against heat and fire*.

The objective of this Standard is to provide guidelines for users of occupational clothing where protection is needed against heat and flame. The objective of this revision is to adopt the current edition of ISO/TR 2801.

This Standard is identical with, and has been reproduced from ISO/TR 2801:2007, *Clothing for protection against heat and flame—General recommendations for selection, care and use of protective clothing*

The information in this Standard has been produced to assist employers (or people who advise employers) in making the necessary decisions regarding the selection, use, care and maintenance of protective clothing, for employees exposed to risks related to heat and flame (e.g. welding, firefighting).

The purpose of this Standard is to highlight the main areas that an employer needs to consider. Most paragraphs of this contain bullet-lists. These lists are provided to give guidance only and are not exhaustive.

As this Standard is reproduced from an International Standard, the following applies:

- (a) Its number appears on the cover and title page while the ISO standard number appears only on the cover.
- (b) In the source text ‘this Technical Report’ should read ‘this Australian/New Zealand Standard’.
- (c) A full point should be substituted for a comma when referring to a decimal marker.

References to international Standards should be replaced by equivalent Australian Standard, as follows:

<i>Reference to International Standard or other publication</i>		<i>Australian/New Zealand Standard</i>	
ISO		AS/NZS	
13688	Protective clothing—General requirements	4501 4501.2	Occupational protective clothing Part 2: General requirements
6942	Protective clothing—Protection against heat and fire—Method of test: Evaluation of materials and material assemblies when exposed to a source of radiant heat	4502 4502.1	Methods for evaluating clothing for protection against heat and fire Part 1: Evaluation of thermal behaviour of materials and material assemblies when exposed to a source of radiant heat
9150	Protective clothing—Determination of behaviour of materials on impact of small splashes of molten metal	4502.3	Part 3: Evaluation of the behaviour of materials and material assemblies when exposed to small splashes of molten metal
9151	Protective clothing against heat and flame—Determination of heat transmission on exposure to flame	4502.2	Part 2: Evaluation of heat transmission of materials and material assemblies when exposed to flame

Any international Standards not listed have not been adopted as Australian or Australian/New Zealand Standards.

The term 'informative' has been used in this Standard to define the application of the annex to which it applies. An 'informative' annex is only for information and guidance.

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INTRODUCTION

The information in this Technical Report has been produced to assist employers (or people who advise employers) in making the necessary decisions regarding the selection, use, care and maintenance of protective clothing, for employees exposed to risks related to heat and flame (e.g. welding, firefighting).

The purpose of this Technical Report is to highlight the main areas that an employer needs to consider. Most paragraphs of this Technical Report contain bullet-lists. These lists are provided to give guidance only and are not exhaustive.

Normative references are not provided in this Technical Report. All references are of an informative nature only. Annex A gives details of the current International Standards relating to clothing designed to provide protection from heat and flame.

For European legislation on personal protective equipment (PPE), see Directive 89/656/EEC and Directive 89/686/EEC.

AUSTRALIAN/NEW ZEALAND STANDARD

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

1 Scope

This Technical Report sets out guidance for the selection, use, care and maintenance of clothing designed to provide protection against heat and flame.

2 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

2.1

hazard

substances, situations or events that can cause harm/injury

2.2

risk

combination of the probability of the occurrence of a hazard in a particular situation and the consequences or extent of harm to the individual to be expected from the hazard

2.3

selection

the process of determining the type of protective clothing assembly (garment) that is necessary for the required protection

2.4

use

application of protective clothing including its limitations

2.5

care

keeping in good working order, including procedures for cleaning, decontamination and storage

2.6

maintenance

procedure for inspection, care and repair with the aim of retaining the protective properties and preventing excessive deterioration of the clothing