

MAURITIAN
STANDARD

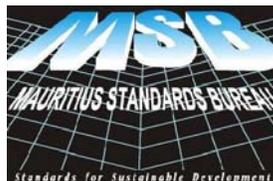
MS ISO
13688:2013

First edition
2013-12-21

**Protective clothing — General
requirements**

PREVIEW

ICS 13.340.10



Mauritius Standards Bureau
Moka

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National Foreword

This Mauritian Standard is identical with the International Standard **ISO 13688:2013**, *Protective clothing — General requirements* published by the International Organization for Standardization (ISO). It was adopted by the Mauritius Standards Bureau in 2013 on the recommendation of the **Textile, Paper and Footwear Standards Committee** and approval of the **Standards Council** on **30 October 2013**. It was notified in the Government Gazette on **21 December 2013***.

For the purposes of this standard the following change should be made:

The words “International Standard” should be replaced by “Mauritian Standard”.

The following Mauritian Standard is identical to the International Standard, which is referenced in the adopted standard:

International Standard

ISO 3758, *Textiles — Care labelling code using symbols*

Corresponding Mauritian Standard

MS ISO 3758, *Textiles — Care labelling code using symbols*

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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 13688 was prepared by Technical Committee 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 13688:1998), which has been technically revised to include the following changes:

- A statement that this International Standard (and pictogram) is intended to be used in combination with another product standard was added to the Scope.
- Additional definitions on waist to waist over the shoulder length, and torso.
- Notes on level of performance moved to informative [Annex A](#).
- [Clause 4](#) on ergonomics changed to basic health and ergonomic requirements and revised into separate sub-sections: general ([4.1](#)), innocuousness ([4.2](#)), design ([4.3](#)) and comfort ([4.4](#)).
- Informative [Annex C](#) added on ergonomic features.
- Subclause [5.2](#) on colour fastness removed.
- Subclause [5.3](#) on cleaning renamed as washing and dry-cleaning ([5.2](#)) now includes reference to standardised processes, including industrial washing.
- Strengthened provisions in [5.3](#) on dimensional change due to cleaning.
- The size designation system in [Clause 6](#) was simplified with regard to intervals and ranges to allow more freedom to obtain a better individual fit.
- Subclause [7.2](#) on specific marking amended to include qualification labelling for industrial laundry care.
- Informative [Annex B](#) (Flow chart) added on acceptability of materials.
- Informative [Annex F](#) added on environmental aspects.

Introduction

This International Standard is a reference standard to be called up as appropriate by specific standards. This International Standard is not intended to be used alone but only in combination with another standard containing requirements for the specific performance of the product which provides protection.

PREVIEW

PREVIEW

Protective clothing — General requirements

1 Scope

This International Standard specifies general performance requirements for ergonomics, innocuousness, size designation, ageing, compatibility and marking of protective clothing and the information to be supplied by the manufacturer with the protective clothing.

This International Standard is only intended to be used in combination with other standards containing requirements for specific protective performance and not on a stand-alone basis.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 3071, *Textiles — Determination of pH of aqueous extract*

ISO 3175-1, *Textiles — Professional care, drycleaning and wetcleaning of fabrics and garments — Part 1: Assessment of performance after cleaning and finishing*

ISO 3635, *Size designation of clothes — Definitions and body measurement procedure*

ISO 3758, *Textiles — Care labelling code using symbols*

ISO 4045, *Leather — Chemical tests — Determination of pH*

ISO 5077, *Textiles — Determination of dimensional change in washing and drying*

ISO 7000, *Graphical symbols for use on equipment — Registered symbols*

ISO 17075, *Leather — Chemical tests — Determination of chromium(VI) content*

ISO 30023, *Textiles — Qualification symbols for labelling workwear to be industrially laundered*

EN 1811, *Reference test method for release of nickel from products intended to come into direct and prolonged contact with the skin*

EN 14362-1, *Textiles — Methods for determination of certain aromatic amines derived from azo colorants — Part 1: Detection of the use of certain azo colorants accessible with and without extracting the fibres*

3 Terms and definitions

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

3.1

ageing

change of one or more initial properties of protective clothing materials during the passage of time