



DRAFT TANZANIA STANDARD

Windows and doors — Determination of the resistance to soft and heavy body impact for doors

TANZANIA BUREAU OF STANDARDS

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0 Foreword

The Tanzania Bureau of Standards is the statutory national standards body for Tanzania, established under standards Act No. 3 of 1975, amended by Act No. 2 of 2009.

This draft Tanzania Standard is being prepared by BCDC 15 Doors and Windows technical committee under the supervision of the Building and Construction Divisional Committee (BCDC).

This draft Tanzania Standard is an identical adoption of the 2nd Edition of International Standard ISO 8270:2023 *Windows and doors — Determination of the resistance to soft and heavy body impact for doors* published by International Organization for Standardization.

Terminologies and conventions

The text of the International Standard is hereby recommended for approval without modification.

Some terminologies and certain conventions are not identical with those used as Tanzania Standard; attention is drawn to the following:

The comma (,) has been used as decimal marker (.) for metric dimensions. In Tanzania Standards, its current practice to use a full point on the baseline as decimal marker.

Whenever the words “International Standard” appear, referring to this standard, they should be interpreted as “Tanzania Standard”.

**Windows and doors — Determination
of the resistance to soft and heavy
body impact for doors**

*Fenêtres et portes – Détermination de la résistance au choc de corps
mou et lourd pour les portes*





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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.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT), see www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 162, *Doors, windows and curtain walling*.

This second edition cancels and replaces the first edition (ISO 8270:1985), which has been technically revised.

The main changes are as follows:

- the title has been revised;
- this document has been adapted to the current state of the art with Reference [1] as a basis;
- the technical content has been precised.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

Windows and doors — Determination of the resistance to soft and heavy body impact for doors

1 Scope

This document specifies the method to be used to determine the damage caused by striking with a soft and heavy body, the face of a closed-door leaf fixed in its own door frame as part of a door set.

This document applies to all doors.

The method can also be used with respect to a door leaf submitted for a test in a frame, which the manufacturer considers appropriate to and typical for the intended utilization.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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 22496, *Windows and pedestrian doors — Vocabulary*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 22496 apply.

ISO and IEC maintain terminology databases for use in standardization at the following addresses:

- ISO Online browsing platform: available at <https://www.iso.org/obp>
- IEC Electropedia: available at <https://www.electropedia.org/>

4 General

Forces that can reasonably be expected from impacts by human bodies and substantial objects with similar characteristics should neither damage nor impair the normal performance of a door.

For manufacturers of door leaves whose products are not sold as part of a known door set, or where such door leaves can be used in a sliding door assembly, provision is made for claiming conformance with the relevant requirements by the testing of such door leaves in a typical frame. Nevertheless, the fact that a particular door leaf meets with the relevant requirements in this way does not necessarily mean that a door assembly incorporating that door leaf will meet the requirements.

5 Test apparatus

5.1 Test surround

The surround in which the specimen is tested, shall be sufficiently rigid to withstand the test load without deflecting to an extent likely to influence the test result.

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