



## DRAFT TANZANIA STANDARD

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### Aluminium alloy windows and doorsets - Specification

Draft for Public Comments

**TANZANIA BUREAU OF STANDARDS**

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This draft Tanzania Standard was published under the authority of the Board of Directors of Tanzania Bureau of Standards on yy-mm-dd.

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Tanzania Commission for Science and Technology (COSTECH)  
Ministry of Works and Transport (MoWT)  
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Contractors Registration Board (CRB)
- \* Ardhi University (ARU)  
National Defense Force, National Service Division (JKT)  
National Estates and Designing Consultancy Company Ltd (NEDCO)
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- \*National Construction Council (NCC)  
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Zanzibar Bureau of Standards (ZBS)  
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# BCDC 15 (2042) DTZS

## Contents

List of figures .....	ii
0 National Foreword .....	1
1 Scope .....	2
2 Normative references .....	2
3 Terms and definitions .....	3
4 Handing .....	4
5 Components .....	4
6 Construction and design .....	6
7 Glazing .....	7
8 Use, cleaning and maintenance .....	7
9 Security .....	7
10 Safety in case of fire .....	7
11 Safety in use .....	7
12 Weathertightness .....	7
13 Operation and strength characteristics .....	8
14 Hygiene, health and the environment .....	8
15 Acoustic performance .....	8
16 Energy conservation .....	8
17 Marking .....	8
Annex A .....	9
Annex B .....	10
Annex C .....	12
Bibliography .....	15

## List of figures

Figure C.1 - Drawing conventions for window types .....	13
Figure C.2 - Drawing conventions for doorset types .....	14

## **0 National 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).

On preparation of this document adaption was made to BS 4873:2016 *Aluminium alloy windows and doorsets - Specification*.

### **Presentational conventions**

The provisions of this standard are presented in roman (i.e. upright) type. Its requirements are expressed in sentences in which the principal auxiliary verb is "shall".

*Commentary, explanation and general informative material is presented in smaller italic type, and does not constitute a normative element.*

### **Contractual and legal considerations**

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

**Compliance with a Tanzania Standard cannot confer immunity from legal obligations.**

# Aluminium alloy windows and doorsets - Specification

## 1 Scope

This draft Tanzania Standard specifies requirements for the design, construction and performance of aluminium alloy windows and external pedestrian doorsets, thermally or non-thermally improved, including constituent materials and glazing.

This draft Tanzania Standard does not apply to composite doorsets as defined in BS 8529, but it does cover doorsets that are predominantly aluminium framed (stile and rail construction) with replaceable composite panels.

This draft Tanzania Standard applies to windows and doorsets fabricated in a factory, to be installed vertically ( $\pm 15^\circ$ ) into the external face of buildings, as single or multi-light units, or in coupled assemblies where appropriate, of the following types:

- a) windows:
  - 1) hinged: side-hung, top-hung, bottom-hung, tilt before turn or turn before tilt;
  - 2) projecting: side-hung and top-hung (including reversible windows);
  - 3) pivoted: horizontal and vertical;
  - 4) sliding: horizontal and vertical (including tilting-in sash to vertical);
  - 5) fixed lights;
  - 6) fixed casement;
  - 7) parallel opening;
  - 8) double opening French casement;
  - 9) louvred, adjustable;
- b) doorsets:
  - 1) single leaf, single-swing or double-swing hinged or pivoted doors with or without side lights and top lights;
  - 2) double leaf, single-swing or double-swing hinged or pivoted doors with or without side lights and top lights;
  - 3) sliding doors (includes tilt and slide and lift and slide doors);
  - 4) sliding folding doors.

This draft Tanzania Standard is applicable to windows in which a casement or sash frame member is no longer than 3 m and in which a door leaf frame member is no longer than 3.5 m. This draft Tanzania Standard does not apply to curtain walls that span across horizontal structural members of floors, but it is applicable to windows or doorsets fitted within a curtain walling system.

This draft Tanzania Standard is not applicable to secondary windows applied to convert existing single windows into double or coupled windows.

### NOTE

Guidance on the evaluation of conformity is given in Annex A. Guidance on durability and recycling is given in Annex B.

## 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.

### Standards publications

BS 3987, *Specification for anodic oxidation coatings on wrought aluminium for external architectural applications*

BS 4255-1, *Rubber used in preformed gaskets for weather exclusion from buildings - Part 1: Specification for non-cellular gaskets*

BS 4842, *Specification for liquid organic coatings for application to aluminium alloy extrusions, sheet and preformed sections for external architectural purposes, and for the finish on aluminium alloy extrusions, sheet and preformed sections coated with liquid organic coatings*

ISO 6707-1, *Building and civil engineering - Vocabulary - Part 1: General terms*

BS 6100-6, *Building and civil engineering - Vocabulary - Part 6: Construction parts*

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