

DRAFT TANZANIA STANDARD

Performance of windows and doors Part 1: Classification for weathertightness and guidance on selection and specification

TANZANIA BUREAU OF STANDARDS

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- Contractors Registration Board (CRB)

 * Ardhi University (ARU)
 National Defense Force, National Service Division (JKT)
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- * Architects and Quantity Surveyors Registration Board (AQRB)
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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 6375-1:2015 (*Incorporating Corrigendum No. 1*) - Performance of windows and doors Part 1: Classification for weathertightness and guidance on selection and 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.

Performance of windows and doors Part 1: Classification for weathertightness and guidance on selection and specification

1 Scope

This draft Tanzania Standard specifies the exposure categories related to test pressure levels for air permeability, watertightness and wind resistance for external windows and doorsets. It is applicable to all types of vertical windows and doorsets, and includes windows in which the opening lights are not fully framed, e.g. adjustable glass louvres. It is applicable to both factory-glazed and site-glazed products.

The standard excludes patent glazing (see Note) and curtain walls that span across horizontal structural members of floors, but includes the opening lights within a vertical patent glazing or curtain walling system.

NOTE

Recommendations for the design and installation of patent glazing are given in BS 5516.

2 Normative references

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

Standards publications

BS EN 1026, Windows and doors - Air permeability - Test method

BS EN 1027:2000, Windows and doors - Watertightness - Test method

BS EN 1991-1-4:2005, Eurocode 1 Actions on structures - Part 1-4: General actions - Wind actions NA to BS EN 1991-1-4:2005, UK National Annex to Eurocode 1 Actions on structures - Part 1-4: General actions - Wind actions

BS EN 12207:2000, Windows and doors - Air permeability - Classification

BS EN 12208, Windows and doors - Watertightness - Classification

BS EN 12210, Windows and doors - Resistance to wind load - Classification

BS EN 12211, Windows and doors - Resistance to wind load - Test method

BS EN 14351 (all parts), Windows and doors - Product standard, performance characteristics

3 Terms and definitions

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

3.1 design height (h)

maximum height of a wall in which a window or doorset occurs

NOTE

In the case of a dormer window, this is the building ridge height.

3.2 doorset

complete unit, as installed, comprising door leaf, door frame, any associated side panels and/or top lights, and any operating hardware, locks and accessories

NOTE

This is also known as a door assembly.

3.3 ventilation device

ventilator other than an opening light incorporated in a window or doorset

NOTE

The "permanent" type provides continuous ventilation. The "controlled" type is adjusted to provide a range of ventilation.

3.4 water penetration

continuous or repeated wetting of the internal surface of the test specimen or parts which are not designed to be wetted when water drains back to external face

NOTE

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