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Tanzania Bureau of Standards (TBS) is the statutory national standards body for Tanzania established under the Standards Act No. 3 of 1975, repealed and replaced by the Standards Act No. 2 of 2009.

The Building and Construction Divisional Standards Committee (BCDC), under whose supervision this Tanzania Standard was prepared, consists of representatives from the following organizations:

* University of Dar er Salaam , College of Engineering and Technology, Tanzania Commission for Science and Technology (COSTECH) Ministry of Works and Transport (MoWT) National Housing Corporation (NHC) Contractors Registration Board (CRB)
* Ardhi University (ARU) National Defense Force, National Service Division (JKT) National Estates and Designing Consultancy Company Ltd (NEDCO)
* Architects and Quantity Surveyors Registration Board (AQRB) Institution of Engineers Tanzania (IET)
*National Construction Council (NCC)

Engineers Registration Board (ERB)

The organizations marked with an asterisk (*) in the above list, together with the following were directly represented on the Technical Committee entrusted with the preparation of this draft Tanzania Standard:

Ministry of Finance and Planning Zanzibar Bureau of Standards (ZBS) National Development Corporation (NDC) Tanzania Building Agency (TBA) Tanganyika Wattle Co. Ltd (TANWAT) Dar Es Salaam Glass works Ltd

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Contents

List of tables	ii
0 National Foreword	1
1 Scope	2
2 Normative references	2
3 Terms and definitions	2
4 General	2
5 Performance characteristics and requirements for windows	3
6 Performance characteristics and requirements for external pedestrian doorsets	4
Annex A	7
Bibliography	8

List of tables

Table 1- Opera Table 2 - Impac	ting forces for window of resistance for window	vs ows		
Table 3 - Cate	pories of use for the U	K ^{A)}		
Table 4 - Opera	ating forces for doorse anical strength classe	ets es		
Table 6 - Repe	ated opening and clos	sing ^{A)}		
Table 7 - Repe	ated opening and clos	sing cycles for fire d	oors with self-closing	devices - Categories
Table A.1 - Sun	mary of classification	for windows		
Table A.2 - Sun	nmary of classification	for doorsets		
		• C	1	
	XU			
	X X			
.9				

DRAFT TANZANIA STANDARD

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 6375-2:2009 Performance of windows and doors - Part 2: Classification for operation and strength characteristics 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 2: Classification for operation and strength characteristics and guidance on selection and specification

1 Scope

This draft Tanzania Standard identifies the characteristics and classes of performance appropriate for windows and internal/external pedestrian doorsets. It is applicable to both factory-glazed and site-glazed products.

This draft Tanzania Standard specifies performance requirements for the operation and strength of manually operated windows and internal/external pedestrian doorsets in their fully finished condition. NOTE

This standard is the application document for EN 14351

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.

BS 6100 (all parts), Building and civil engineering terms- Vocabulary

BS EN 947, Hinged or pivoted doors - Determination of the resistance to vertical load

BS EN 948, Hinged or pivoted doors - Determination of the resistance to static torsion

BS EN 949, Windows and curtain walling, doors, blinds and shutters - Determination of the resistance to soft and heavy body impact for doors

BS EN 950, Door leaves - Determination of the resistance to hard body impact

BS EN 1191, Windows and doors - Resistance to repeated opening and closing - Test method

BS EN 1192:2000, Doors - Classification of strength requirements BS EN 12046-1, Operating forces - Test method - Part 1: Windows BS EN 12046-2, Operating forces - Test method - Part 2: Doors

BS EN 12217:2003, Doors - Operating forces - Requirements and classification

BS EN 12400:2002, Windows and pedestrian doors - Mechanical durability- Requirements and classification

BS EN 12519, Windows and pedestrian doors - Terminology

BS EN 13049:2003, Windows - Soft and heavy body impact - Test method, safety requirements and classification

BS EN 13115:2001, Windows - Classification of mechanical properties -

Racking, torsion and operating forces

BS EN 14351 (all parts), Windows and doors - Product standard, performance characteristics 2>

BS EN 14608, Windows - Determination of the resistance to racking

BS EN 14609, Windows - Determination of the resistance to static torsion

3 Terms and definitions

For the purposes of this Standard, the terms and definitions given in BS EN 12519, BS EN 14351-1, BS 6100 and the following apply.

3.1 safety device

hardware fitted to a window or doorset to provide a secure or safe position for the casement, sash or door leaf when in the open position

NOTE

Examples include retaining and reversing catches, restrictors, and fixing devices for cleaning procedures.

4 General

The performance characteristics and requirements for windows and pedestrian doorsets shall be determined and expressed in accordance with Clause 5 or Clause 6 as appropriate. The characteristics identified in these clauses shall be selected according to the end-use requirements. NOTE

Bibliography

Standards publications

For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

BCDC 15 (2043)/BS 6375-1, Performance of windows and doors - Part 1: Classification for weathertightness and guidance on selection and specification

BS 6375-3, Performance of windows and doors - Part 3: Classification for additional performance characteristics and guidance on selection and specification

PAS 23-1, General performance requirements for door assemblies - Part 1: Single leaf, external door assemblies to dwellings

PAS 24, Enhanced security performance requirements for door assemblies - Single and double leaf, hinged external door assemblies to dwellings

BS EN 14600:2005, Doorsets and openable windows with fire resisting and/or smoke control characteristics - Requirements and classification