DRAFT TANZANIA STANDARD

Plywood — Tolerances on dimensions

TANZANIA BUREAU OF STANDARDS

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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 6 Sawn timber, logs and wood-based components 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 1954: 2013 *Plywood — Tolerances on dimensions*.

Terminologies and conventions

The text of the International Standard is hereby being recommended for approval without deviation for publication as Tanzania standard.

Some terminologies and conventions are not identical with those used in Tanzania Standards; attention is drawn to the following;

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

Whenever the words “ISO Standard” appear referring to this standard, they should read as “Tanzania Standard”.

This standard of the International Organization for Standardization (ISO) was approved for publication as a Tanzania Standard with the following editorial changes:

a) deletion of informative preliminary material from the adopted International Standard
b) inclusion of national informative material (National foreword, terminologies and conventions)
c) deletion of the translation text in French to retain English language which is the official national language
d) changes in document layout (pagination, font type and size)

Plywood — Tolerances on dimensions

1. Scope

This draft Tanzania standard specifies dimensional tolerances of plywood panels (length, width, thickness) and tolerances for edge straightness and squareness.

2. Normative references

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

ISO 9426*, Wood-based panels — Determination of dimensions of panels*

ISO 16979*, Wood-based panels — Determination of moisture content*

3. Moisture content of panels

Moisture content shall be measured in accordance with ISO 16979. Unless otherwise stated by contract, dimensional tolerances are applicable at a reference moisture content of (10 ± 2) %.

Statistically valid factors may be used to adjust measurements that can be taken, for practical purposes, at different moisture content (e.g. as-manufactured state or as-received state).

4. Tolerances

4.1 General

Unless otherwise specified in other applicable standards, specifications, and/or contract terms, the tolerances given in 4.2 to 4.5 shall apply.

NOTE Some plywood products and uses can require narrower tolerances.

4.2 Tolerances on length and width

Length and width shall be measured in accordance with ISO 9426. Tolerances on nominal size: ±1.5 mm/m with a maximum of ±3.5 mm.

4.3 Tolerances on thickness

Thickness shall be measured in accordance with ISO 9426. Tolerances on nominal thickness are specified in TABLE 1.

TABLE 1 **— Tolerances on nominal thickness**

Dimensions in millimeters

Nominal thickness *t*	Unsanded, touch-sanded, or scraped panels		Sanded panels	
	Thickness tolerance within one panel	Tolerance on nominal thickness	Thickness tolerance within one panel	Tolerance on nominal thickness
$t \leq 3$	0.5	+0.4 −0.2	0.3	±0.2
$3 < t \leq 7$	0.7	+0.5 −0.3	0.5	±0.3
$7 < t \leq 12$	1.0	+(0.8 + 0.03 *t*) −(0.4 + 0.03 *t*)	0.6	+(0.2 + 0.03 *t*) −(0.4 + 0.03 *t*)
$12 < t \leq 25$	1.5			+(0.2 + 0.03 *t*) −(0.3 + 0.03 *t*)
$t > 25$	1.5	+(0.8 + 0.03 *t*) −(0.4 + 0.03 *t*)	0.8	+(0.2 + 0.03 *t*) −(0.3 + 0.03 *t*)

4.4 Tolerance on straightness of edges

Straightness of panel edges shall be measured in accordance with ISO 9426.

Tolerance: 1 mm/m.

4.5 Tolerance on squareness

Squareness shall be measured in accordance with ISO 9426.

Tolerance: 1 mm/m.