



## **DRAFT TANZANIA STANDARD**

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### **Plywood — Classification**

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**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 a modified adoption of the 3<sup>rd</sup> Edition of International Standard ISO 1096: 2014 *Plywood — Classification*. In this standard, certain modifications have been made.

## **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 agreed modifications due to national requirements. A complete list of modifications, together with their justification, is given in the normative Annex.

For the purposes of this standard, the following editorial changes have also been made:

- 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 — Classification**

### **1. Scope**

This draft Tanzania Standard provides systems of classification of plywood panels based on general appearance and principal characteristics.

### **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.

BCDC 6 (51) CD2: 2020/ISO 2074:2007, *Plywood — Vocabulary*

BCDC 6 (57) CD2: 2020/ISO 2426-1:2020, *Plywood — Classification by surface appearance — Part 1: General*

BCDC 6 (58) CD2: 2020/ISO 2426-2:2020, *Plywood — Classification by surface appearance — Part 2: Hardwood*

BCDC 6 (59) CD2: 2020/ISO 2426-3:2020, *Plywood — Classification by surface appearance — Part 3: Softwood*

BCDC 6 (60) CD2: 2020/ISO 12465:2007, *Plywood — Specifications*

### **3. Classification**

#### **3.1 General**

Plywood panels are classified according to the criteria chosen in the following list.

#### **3.2 General description**

##### **3.2.1. Panel type as defined in BCDC 6 (51) CD2: 2020/ISO 2074:2007**

- a) veneer plywood
- b) wood core plywood
  - 1) blockboard
  - 2) battenboard
  - 3) laminboard
- c) composite plywood

##### **3.2.2. Form and shape as defined in BCDC 6 (51) CD2: 2020/ISO 2074:2007**

- a) flat
- b) moulded

##### **3.2.3. Surface appearances as defined in BCDC 6 (57) CD2: 2020/ISO 2426-1:2020(E), BCDC 6 (58) CD2: 2020/ISO 2426-2:2020(E), and BCDC 6 (59) CD2: 2020/ISO 2426-3:2020**

##### **3.2.4. Surface finishes as defined in BCDC 6 (51) CD2: 2020/ISO 2074:2007**

- a) unsanded plywood
- b) sanded plywood (one side or two sides)
- c) touch-sanded plywood
- d) scraped plywood
- e) overlaid plywood (resin impregnated paper, plastic, resin film, metal, decorative paper)
- f) pre-finished plywood
- g) textured plywood
- h) veneered plywood

### **3.3 Principal characteristics**

#### **3.3.1. Mechanical properties linked with the type of application**

- a) plywood for non-structural uses (e.g. furniture, wall panelling)
- b) plywood for structural uses (e.g. wall sheathing, floor decking, and concrete forming)
- c) marine plywood; marine ply: (a superior-quality plywood that is specially treated using paint, preservatives or varnish to resist water damage. Unlike interior plywood, marine plywood is made of many layers of wood, sealed together with waterproof glue making it appropriate for shipbuilding, boats, lake platforms, decks, bathrooms, and kitchens, etc)

#### **3.3.2. Exposure conditions as defined in BCDC 6 (60) CD2: 2020/ISO 12465:2007**

- a) for use in dry conditions
- b) for use in tropical dry/humid conditions
- c) for use in high humidity/exterior conditions

#### **3.3.3. Specific treatments to improve**

- a) biological durability (fungi, insects)
- b) moisture resistance
- c) reaction to fire

**Annex****Normative changes from the adopted ISO standard**

For the purposes of this draft Tanzania Standard, the following changes have been made from the adopted ISO 1096:2014 standard:

**TABLE — Normative changes made on this standard from the adopted ISO standard**

<b>Clause/Subclause</b>	<b>Modifications</b>	<b>Explanation</b>
3.3.1	added “marine plywood; marine ply” among the list of mechanical properties linked with the type of application	marine plywood falls under the characteristic property and widely used in Tanzania local industries