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Draft  
Jamaican Standard

Specification

for

**Bamboo woven products**

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**BUREAU OF STANDARDS JAMAICA**

**Comment period:  
6 November 2022 to 5 January 2023**







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JS 363: 2022

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Product Certification Marks



Plant Certification Mark



Certification of Agricultural Produce



Jamaica-Made Mark



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**Month Year**



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Jamaican Standards establish requirements in relation to commodities, processes and practices, but do not purport to include all the necessary provisions of a contract.

The attention of those using this standard specification is called to the necessity of complying with any relevant legislation.

#### Amendments

No.	Date of Issue	Remarks	Entered by and date

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Draft Jamaican Standard

## Foreword

Woven bamboo products are produced from thin strips of bamboo. There are a wide variety of such products and they have been closely associated with the development of civilisations in bamboo growing regions of the world for many millennia. The products may be primarily intended for agricultural use, such as baskets for vegetables or animals and winnowing trays for cereals, or they may be household products such as baskets, trays, jars, cases, lampshades, fans and mats.

Bamboo woven products are made with various widths, thicknesses, lengths and sizes of bamboo splits made from bamboo culms, based on the design of the products. There are two kinds of bamboo splits used for weaving: bamboo threads and bamboo strips. As their names imply, the thickness and width of threads are approximately equal. Strips are much broader than they are thick.

This standard is voluntary.

## Committee representation

## Related Documents

This standard makes reference to the following:

- a) *GB 18401 National General Safety Technical Code for Textile Products*
- b) *GB/T 23114 Plaited bamboo household products*

# Draft Jamaican Standard Specification for Bamboo woven products

## 1 Scope

This standard specifies relevant terms and definitions, classification, requirements, test methods, inspection rules, marks, packaging, transportation and storage of bamboo woven products.

This standard is applicable to bamboo products woven with bamboo or bamboo as the main material and fabric materials.

## 2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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.

GB18401, *National General Safety Technical Code for Textile Products*

ISO 14184-1, *Textiles — Determination of formaldehyde — Part 1: Free and hydrolysed formaldehyde (water extraction method)*

ISO 14362-1, *Textiles — Methods for determination of certain aromatic amines derived from azo colorants — Part 1: Detection of the use of certain azo colorants accessible with and without extracting the fibres*

## 3 Terms and definitions

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

### 3.1

#### **adhesive seepages**

adhesive permeating onto the surface of bamboo woven products, causing surface anomaly

### 3.2

#### **flawed bamboo filament**

the surface of bamboo woven products lacking some bamboo filaments according to the original weave structure

### 3.3

#### **warp**

line which is parallel to the length direction of the surface of a bamboo woven product

### 3.2

#### **weft**

line that is perpendicular to the length direction of the surface of a bamboo woven product

## 4 Classification

Based on the performance of the product, the bamboo woven products can be divided into bamboo mats, bamboo cushions, bamboo pillows, bamboo carpets, bamboo curtains, etc.

## 5 Requirements

### 5.1 Materials

5.1.1 The growth period of bamboo used in the product should be 3 years or more.

5.1.2 Woven bamboo should be uniform in colour and thickness and should not be mouldy.

### 5.2 Appearance

When inspected for appearance using visual inspection by lying flat in natural light or under 40 watt fluorescent lamp, the bamboo woven should meet the following requirements:

#### 5.2.1 Product surface

5.2.1.1 The surface should be glossy and smooth, with the same colour and lustre. There should be no smudges, mildew and obvious broken wires, broken bamboo filament, flawed bamboo filament and adhesive seepages on the surface.

5.2.1.2 The surface should be tightly and evenly woven without obvious defects.

5.2.1.3 The surface pattern should be clear and have distinct layers. There is no overlap between printing and scalding. The embroidery is smooth and flat, with no obvious missing embroidery.

#### 5.2.2 Edging, curling, stitch code

5.2.2.1 Edge wrapping should be smooth, firm, wrinkle-free and burr-free. The corners are square and firm and the rounded corners are smooth.

5.2.2.2 Neatly curled, smooth, serrated, and trimmed.

5.2.2.3 Stitch code is uniform and there is no jumping needle. The bamboo thread size is not less than 6 needles per 30 mm and the bamboo board size is not less than 4 needles per 30 mm.

#### 5.2.3 Dyeing fastness

Dyeing parts should not be discoloured.

### 5.3 Specifications, dimensions and tolerances

5.3.1 The dimensions of length and width should be clearly indicated.

5.3.2 Allowable deviation of 20 mm in length and 10 mm in width.

### 5.4 Safety and health

#### 5.4.1 Formaldehyde content

Formaldehyde content shall not be more than 75 mg when tested in accordance with ISO 14184-1

#### 5.4.2 Decomposable aromatic amine colourants

Decomposable aromatic amine colourants should comply with the relevant requirements in ISO 14362-1.

#### 5.4.3 Needles and metal foreign bodies

The product should not contain needles or other metal foreign bodies.

### **5.5 Resistance to microbial degradation**

Treated bamboo woven products shall be tested for resistance to microbial degradation in accordance with Annex B of IS 13958: 1994.

## **6 Labelling, packaging, transportation, storage**

### **6.1 Labelling**

Bamboo woven products should be labelled to include the following:

- a) Product name;
- b) The name and address of the manufacturer;
- c) Product quality inspection certificate;
- d) Product implementation standard number;
- e) Specifications, dimensions and quantity;
- f) Trademarks;
- g) Instructions for use (usage, maintenance and storage methods);
- h) Date of manufacture.

### **6.2 Packaging**

The product should be firm and free from damage, extrusion and moisture.

### **6.3 Transportation**

The product should be handled lightly and not under heavy pressure.

### **6.4 Storage**

The product should be stored in a dry and well ventilated environment away from direct sunlight.

END OF DOCUMENT



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The Standards Council is the controlling body of the Bureau of Standards Jamaica and is responsible for the policy and general administration of the Bureau.

The Council is appointed by the Minister in the manner provided for in the Standards Act, 1969. Using its powers in the Standards Act, the Council appoints committees for specified purposes.

The Standards Act, 1969 sets out the duties of the Council and the steps to be followed for the formulation of a standard.

### **Preparation of standards documents**

The following is an outline of the procedure which must be followed in the preparation of documents:

1. The preparation of standards documents is undertaken upon the Standard Council's authorisation. This may arise out of representation from national organisations or existing Bureau of Standards' Committees of Bureau staff. If the project is approved it is referred to the appropriate sectional committee or if none exists a new committee is formed, or the project is allotted to the Bureau's staff.
2. If necessary, when the final draft of a standard is ready, the Council authorises an approach to the Minister in order to obtain the formal concurrence of any other Minister who may be responsible for any area which the standard may affect.
3. The draft document is made available to the general public for comments. All interested parties, by means of a notice in the Press, are invited to comment. In addition, copies are forwarded to those known, interested in the subject.
4. The Committee considers all the comments received and recommends a final document to the Standards Council
5. The Standards Council recommends the document to the Minister for publication.
6. The Minister approves the recommendation of the Standards Council.
7. The declaration of the standard is gazetted and copies placed on sale.
8. On the recommendation of the Standards Council the Minister may declare a standard compulsory.
9. Amendments to and revisions of standards normally require the same procedure as is applied to the preparation of the original standard.

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