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**INDUSTRY STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

LY/T 2074-2012

**Comprehensive energy consumption of bamboo plywood
production
(English Translation)**

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Table of Contents

Foreword
1 Scope
2 Normative references
3 Terms and Definitions

Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for Standardization Work Part 1: Structure and Drafting Rules for Standardization Documents" drafting.

This document replaces LY/T 2074-2012 "Comprehensive Energy Consumption of Bamboo Plywood Production".

In addition to rectification and editorial changes, the main technical changes are as follows.

- a) Part of the scope has been changed (see Chapter 1, Chapter 1 of the 2012 edition);
- b) Delete the normative reference JG/T 156, add the normative reference LY/T 1660, LY/T 2394 (see Chapter 2, 2012 Chapter 2 of the edition);
- c) Changed part of the terms and definitions (see Chapter 3, Chapter 3 of the 2012 edition);
- d) The definition of basic energy consumption per unit output of bamboo plywood production is deleted, and the comparative comprehensiveness per unit output of bamboo plywood production is added Definition of energy consumption (see 3.3, 3.3 of the 2012 edition);
- e) Changed the definition of bamboo plywood indirect production auxiliary production and auxiliary production (see 3.5, 3.5.1, 3.5.2, 2012 edition 3.5, 3.5.1, 3.5.2);
- f) In the grading index of comparable comprehensive energy consumption per unit output of bamboo plywood, the comparable comprehensive energy consumption per unit output of the whole process has been changed (see Chapter 4, Chapter 4 of the 2012 edition);
- g) Changed the excellent, good and qualified in the grading index of comprehensive energy consumption per unit output of bamboo plywood to grade one, grade two and grade three Level (see Chapter 4, Chapter 4 of the 2012 edition);
- h) Changed the calculation formula of comparable comprehensive energy consumption for the production of bamboo plywood (see 5.3);

- i) Delete the annual production correction factor (see Table 2, Table 2 of the 2012 edition);
- j) The requirements for energy measuring instruments have been changed (see 6.1.1);
- k) The metering of other fuels has been added (see 6.2.6);
- l) The table of reference coefficients of various energy conversions to standard coal has been deleted (see Table A.1 of the 2012 edition).

Please note that some contents of this document may refer to patents. The issuing agency of this document assumes no responsibility for identifying patents.

This document is sponsored by the National Energy Foundation and Management Standardization Technical Committee Forestry Energy Management Sub-Technical Committee (SAC/TC20/SC7) Proposed and managed.

1 Scope

This document defines the terms and definitions of the comprehensive energy consumption of bamboo plywood production, and specifies the comparable comprehensive energy consumption per unit output of bamboo plywood.

Classification, energy consumption calculation methods and principles, energy consumption testing and measurement requirements.

This document is applicable to the calculation and index assessment of comprehensive energy consumption in the production of bamboo plywood enterprises.

2 Normative references

The contents of the following documents constitute the essential provisions of this document through normative references in the text. Among them, dated references for documents, only the version corresponding to the date is applicable to this document; for undated reference documents, the latest version (including all amendments) is applicable to this document.

GB/T 2589 General rules for comprehensive energy consumption calculation GB/T 6422 Enterprise Energy Consumption Measurement and Testing Guidelines GB/T 15316 General Rules for Energy Saving Monitoring Technology GB 17167 General rules for equipment and management of energy measuring instruments for energy-consuming units LY/T 1660 Bamboo-based Panel Terminology LY/T 2394 Management Specifications for Energy Measuring Instruments in Forestry Enterprises

3 Terms and Definitions

LY/T 1660 defined and the following terms and definitions apply to this document.

The physical quantities of various energies actually consumed by bamboo plywood production enterprises during the statistical reporting period are calculated according to the prescribed calculation methods and units.

Calculated sum.

production

The ratio of the comprehensive energy consumption of bamboo plywood production during the statistical reporting period to the output of qualified bamboo plywood in the same period.

When the product specification of bamboo plywood is 2440mm in length, 1220mm in width and 18mm in thickness, 1m³ qualified bamboo is produced Amount of energy consumed by plywood.

Direct production it mainly includes the preparation of raw materials (bamboo chips, bamboo curtains and bamboo mats), sizing, drying, billet formation, hot pressing, edge trimming and sanding, finished product storage and other production processes.

Indirect production Production activities that provide supporting services to ensure the stable and safe production of bamboo plywood, including auxiliary production systems and subsidiary production systems.