
Plywood — Classification

Contreplaqué — Classification

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PROOF / ÉPREUVE



Reference number
ISO 1096:2021(E)

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Published in Switzerland

Contents

Page

Foreword	iv
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Classification	1
4.1 General	1
4.2 General description	1
4.2.1 Panel type as specified in accordance with ISO 2074	1
4.2.2 Form and shape as specified in accordance with ISO 2074	2
4.2.3 Surface appearances as specified in accordance with ISO 2426-1, ISO 2426-2, ISO 2426-3, and ISO 2426-4	2
4.2.4 Surface finishes as specified in accordance with ISO 2074	2
4.3 Principal characteristics	2
4.3.1 Mechanical properties linked with the type of application	2
4.3.2 Exposure conditions as specified in accordance with ISO 12465	2
4.3.3 Specific treatments to improve	2

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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation on the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see the following URL: www.iso.org/iso/foreword.html. (standards.iteh.ai)

This document was prepared by Technical Committee ISO/TC 89/SC3, *Wood-based panels*, Subcommittee SC 3 *Plywood*. ISO/PRF 1096

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This fourth edition cancels and replaces the third edition (ISO 1096:2014), which has been technically revised.

The main changes compared to the previous edition are as follows:

- Inclusion of a reference to ISO 2426-4.

Plywood — Classification

1 Scope

This document provides systems of classification of plywood panels based on general appearance and principal characteristics.

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.

ISO 2074, *Plywood — Vocabulary*

ISO 2426-1, *Plywood — Classification by surface appearance — Part 1: General*

ISO 2426-2, *Plywood — Classification by surface appearance — Part 2: Hardwood*

ISO 2426-3, *Plywood — Classification by surface appearance — Part 3: Softwood*

ISO 2426-4, *Plywood — Classification by surface appearance — Part 4: Palm-plywood*

ISO 12465, *Plywood — Specifications*

3 Terms and definitions

No terms and definitions are listed in this document.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- ISO Online browsing platform: available at <https://www.iso.org/obp>
- IEC Electropedia: available at <https://www.electropedia.org/>

4 Classification

4.1 General

Plywood panels shall be classified in accordance with the criteria chosen in the following list.

4.2 General description

4.2.1 Panel type as specified in accordance with ISO 2074

- a) veneer plywood;
- b) wood core plywood:
 - 1) blockboard;
 - 2) battenboard;

ISO 1096:2021(E)

- 3) laminboard;
- c) composite plywood.

4.2.2 Form and shape as specified in accordance with ISO 2074

- a) flat;
- b) moulded.

4.2.3 Surface appearances as specified in accordance with ISO 2426-1, ISO 2426-2, ISO 2426-3, and ISO 2426-4

4.2.4 Surface finishes as specified in accordance with ISO 2074

- 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.

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4.3 Principal characteristics

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4.3.1 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).

4.3.2 Exposure conditions as specified in accordance with ISO 12465

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

4.3.3 Specific treatments to improve

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

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