
Plywood — Classification

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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 meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the WTO principles in the Technical Barriers to Trade (TBT) see the following URL: Foreword - Supplementary information

The committee responsible for this document is ISO/TC 89, *Wood-based panels*, Subcommittee SC 3, *Plywood*.

This third edition cancels and replaces the second edition (ISO 1096:1999), which has been technically revised.

Plywood — Classification

1 Scope

This International 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.

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 12465, *Plywood — Specifications*

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3 Classification

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3.1 General

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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 ISO 2074

- 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 ISO 2074

- a) flat
- b) moulded

3.2.3 Surface appearances as defined in ISO 2426-1, ISO 2426-2, and ISO 2426-3

3.2.4 Surface finishes as defined in 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

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)

3.3.2 Exposure conditions as defined in ISO 12465

- 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

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