
INTERNATIONAL STANDARD



1098

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Veneer plywood for general use – General requirements

Contreplaqué à plis d'usage général – Conditions générales

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FOREWORD

ISO (the International Organization for Standardization) is a worldwide federation of national standards institutes (ISO Member Bodies). The work of developing International Standards is carried out through ISO Technical Committees. Every Member Body interested in a subject for which a Technical Committee has been set up 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.

Draft International Standards adopted by the Technical Committees are circulated to the Member Bodies for approval before their acceptance as International Standards by the ISO Council.

Prior to 1972, the results of the work of the Technical Committees were published as ISO Recommendations; these documents are now in the process of being transformed into International Standards. As part of this process, Technical Committee ISO/TC 139 has reviewed ISO Recommendation R 1098 and found it technically suitable for transformation. International Standard ISO 1098 therefore replaces ISO Recommendation R 1098-1969 to which it is technically identical.

ISO Recommendation R 1098 was approved by the Member Bodies of the following countries:

Australia	India	Portugal
Austria	Iran	Romania
Colombia	Israel	South Africa, Rep. of
Czechoslovakia	Italy	Spain
Egypt, Arab Rep. of	Netherlands	Sweden
Finland	New Zealand	Switzerland
France	Norway	Thailand
Germany	Peru	Turkey
Hungary	Poland	United Kingdom

The Member Body of the following country expressed disapproval of the Recommendation on technical grounds:

Canada

The Member Bodies of the following countries disapproved the transformation of ISO/R 1098 into an International Standard:

Canada
Italy

Veneer plywood for general use – General requirements

1 SCOPE

This International Standard specifies the general requirements for veneer plywood panels for general use, defined in ISO 2074.

2 FIELD OF APPLICATION

This International Standard applies to flat veneer plywood panels, composed of at least three plies.

It does not concern panels covered with decorative veneers, faced panels and panels for special use.

3 REFERENCES

ISO 2074, *Plywood – Vocabulary*.

ISO 2426, *Plywood – Veneer plywood with rotary cut veneer for general use – General rules for classification by appearance*.

ISO . . . , *Veneer plywood for general use – Dimensions and tolerances*.¹⁾

ISO . . . , *Plywood – Types of gluing and determination of their physical, mechanical and biological resistance*.¹⁾

4 CONSTRUCTION OF PANELS

In general, the grain of two successive plies shall form a right angle.

Plies symmetrical to one another relative to the centre ply or the core shall have the same thickness and shall consist of the same species of wood or of species having similar physical characteristics. They shall be produced in the same manner, i.e. either by rotary cutting or by slicing.

In general, the tight side of veneers constituting the face and back shall be on the outside.

Non-perforated paper strips for jointing shall not be used in the interior. If they are used for edge joints or to repair splits in the outer plies, they shall be removed afterwards.

In the normal dry condition, no outer ply shall have a thickness greater than 3,5 mm and no inner ply shall have a thickness greater than 5 mm. However, for coniferous plywood the thickness of the inner and outer plies shall not exceed 6,5 mm.

5 MOISTURE CONTENT

When the panels leave the factory the moisture content shall be between 6 and 14 %.

6 WORKMANSHIP

The panels shall be rectangular with straight edges and sharp corners within the tolerance limits fixed by ISO . . .

7 CHARACTERISTICS OF OUTER PLIES

According to the grades of appearance, the outer plies may be formed

- of a single veneer, or
- of several veneers, of design or colours matching or non-matching, joined in equal or different widths.

The jointing and permissible defects shall be in accordance with ISO publications referring to the classification by appearance of panels.

8 CHARACTERISTICS OF INNER PLIES

The inner plies of plywood may consist of veneers of any width, joined or not. They may contain defects or characteristics of the wood, or manufacturing defects, insofar as these do not affect appearance and suitability of the plywood for its intended use, in compliance with ISO 2426.

9 GLUING

The adjacent plies shall be tightly glued over all contact surfaces. The gluing of different types of panels shall be in accordance with ISO . . .

1) In preparation.